

# Supplement: Detecting Motifs in Knowledge Graphs using Compression

September 6, 2018

## The canonical isomorphism algorithm for patterns

During search, we want to re-order the nodes and links in an encountered pattern to some canonical ordering. This way, when we later return an isomorphic pattern, we recognize it, and will not need to compute its logfactor again. The *nauty* algorithm is the standard solution for findings such *canonical isomorphs*. As we are sampling partially labeled, directed graphs, we have a lot of information that can speed up canonicalization. Since this step is usually the bottleneck in sampling, it's important to perform it as efficiently as possible. Below, we provide a very succinct description of how *nauty* works, when applied to our patterns.

Let  $V'_M$  and  $R'_M$  represent the labels of the variable nodes and links in  $M$ . Pattern  $M$  is an isomorphism of pattern  $M'$  if there exist bijections  $\sigma_v : V'_M \times V'M$  and  $\sigma_r : R'_M \times R'_M$  such that applying these to the variable elements of  $M$  yields  $M'$  (under graph equivalence). The set of all patterns isomorphic to  $G$  is the isomorphism class  $[G]$ . A function  $C(P)$  is a canonicalization function if it produces for all any pattern  $M$  in  $[M]$  the same, canonical member of  $M$ .

Note that a very simple canonicalization algorithm would be to pass the unlabeled graph to the Nauty algorithm, and use its canonical ordering on the labeled graph. However, the labels can make the canonicalization procedure significantly faster.

The key principle behind the Nauty algorithm is the use of a *colouring*: a partition of the nodes of a graph. A *safe colouring* is defined as a partition  $\pi$  of the nodes of the graph such that any permutation that maps nodes from different partitions to one another is guaranteed *not* to be an automorphism. No guarantees are made about nodes in the same cell. For instance, the partition that puts all nodes in the same cell is always safe. If two nodes have different degrees, we can put them in different cells and be sure that we have a safe colouring. Given one safe colouring  $\pi$ , if node  $a$  from partition  $i$  has a neighbor in partition  $j$  and node  $b$  from partition  $j$  has no such node, we can *refine* the partition  $\pi$  by separating  $i$  into a new partition (one contain  $a$  and one containing  $b$ ).

The *nauty* algorithm operates on a graph with a given colouring (with the unit colouring used by default). It first refines the colouring as much as possible, using degree information, and propagating the distinguishing features through the graph. Once the most refined colouring has been achieved, it searches through all automorphisms of the

graph to produce a canonical example (using various optimizations to prune the search tree).

In our case, we use the colouring to indicate what our labeling tells us about the colouring of the nodes. Note the following:

1. Labeled nodes in the pattern can be placed in a discrete cell of the colouring.
2. Variable nodes should be placed into a single cell in the partition.
3. We define a partition over nodes *and* relation labels.

## Motifs found for the three datasets

### Dogfood, top 100 by log factor

log factor	frequency	
28232.1	5807	?n1 swc:heldBy ?n2.
5125.5	2538	?n1 rdf:type ?n2.
3997.0	2180	?n1 swc:isPartOf ?n2. ?n1
1755.1	566	http://www.w3.org/2002/12/cal/ical.tzid ?n2.
378.1	16651	?n1 vu: mcaklein/onto/swrc.ext/2005/05-authorList ?n2. ?n2 rdf:_1 ?n3.
201.2	539	?n1 swc:hasRole ?n2. ?n2 rdf:type swc:Presenter.
-2723.1	466	?n1 rdf:type swc:Presenter.
-2994.2	2031	?n1 ?p3 ?n2.
-3191.3	30	dsw:conference/eswc/2006/sessions/poster-session swc:hasRole ?n1. ?n1 rdf:type swc:Presenter.
-3227.7	154	dsw:conference/iswc/2008/research/pcmember swc:heldBy ?n1.
-3271.9	156	dsw:conference/iswc/2008/research/pcmember ?p2 ?n1.
-3415.6	49	dsw:conference/dc/2010/programme-committee-member swc:heldBy ?n1.
-3514.0	138	?n1 ?p2 dsw:person/eero-hyvoenen.
-3596.0	29	dsw:conference/iswc/2008/in.use/pcmember swc:heldBy ?n1.
-3605.8	33	?n1 ?p2 dsw:person/heiko-paulheim.
-3608.1	31	dsw:conference/eswc/2012/poster-track-committee-member swc:heldBy ?n1.
-3608.5	96	_:genid8 ?p2 ?n1.
-3619.3	81	_:genid14 ?p2 ?n1.
-3637.2	55	_:genid37 ?p2 ?n1.

	log factor	frequency	
	-3638.1	60	_:genid17 ?p2 ?n1.
	-3642.2	36	dsw:conference/iswc/2010/dc/pcmmember swc:heldBy ?n1.
	-3643.8	47	?n1 ?p2 dsw:person/kim-viljanen.
	-3644.5	46	?n1 ?p2 dsw:person/bernhard-schandl.
	-3656.0	1	dsw:conference/eswc/2010/paper/services/3/authorlist rdf:_1 dsw:person/heiko-paulheim.
	-3658.5	1	_:genid12 rdf:_10 dsw:person/michael-pool.
	-3660.9	1	_:genid14 rdf:_1 dsw:person/siegfried-handschuh.
	-3660.9	19	?n1 ?p2 dsw:person/xi-bai.
	-3662.3	1	dsw:person/doroteo-t-toledano foaf:name "Doroteo T. Toledano".
	-3662.8	34	dsw:conference/eswc/2012/poster-track-committee-member ?p2 ?n1.
	-3662.9	1	dsw:person/doroteo-t-toledano rdfs:label "Doroteo T. Toledano".
	-3663.6	1	dsw:conference/www/2012/demo/demo-chair swc:heldBy dsw:person/bebo-white.
4	-3664.9	1	_:genid17 rdf:_1 dsw:person/john-barton.
	-3665.5	1	dsw:organization/czech-technical-university-in-prague foaf:member dsw:person/petr-pollak.
	-3665.9	1	dsw:conference/iswc/2010/paper/431/authorlist rdf:_1 dsw:person/alexandre-passant.
	-3666.2	1	dsw:conference/isemantics/2009/paper/main/11 dc:creator dsw:person/violeta-damjanovic.
	-3666.4	1	_:genid37 rdf:_2 dsw:person/stephen-larson.
	-3666.7	1	_:genid117 rdf:_1 dsw:person/tomas-vitvar.
	-3666.8	1	dsw:workshop/ssws/2008/main/chair/organisingcommitteemember rdf:type swc:OrganisingCommitteeMember
	-3666.8	1	dsw:conference/iswc/2010/paper/468/authorlist rdf:_1 dsw:person/jerome-euzenat.
	-3666.8	1	dsw:workshop/terra_cognita/2008/paper/main/4 dc:creator dsw:person/raluca-zaharia.
	-3666.8	1	dsw:workshop/terra_cognita/2008/paper/main/4 dc:creator dsw:person/laurentiu-vasiliu.
	-3667.2	1	dsw:conference/iswc/2008/paper/poster_demo/43 foaf:maker dsw:person/malte-kiesel.
	-3667.2	1	dsw:workshop/ssws/2008/main/chair/organisingcommitteemember swc:heldBy dsw:person/achille-fokou

log factor	frequency	
-3667.6	3	dsw:conference/lrec/2008/papers/421 ?p1 dsw:person/petr-pollak.
-3667.6	1	dsw:conference/lrec/2008/papers/421 dc:creator dsw:person/petr-pollak.
-3667.6	1	dsw:workshop/iwod/2008/main/chair/organisingcommitteemember rdf:type swc:OrganisingCommitteeMember
-3667.7	1	dsw:conference/eswc/2012/poster-track-committee-member swc:heldBy dsw:person/tomas-vitvar.
-3667.8	1	_:genid39 rdf:_1 dsw:person/tomas-vitvar.
-3667.9	3	dsw:workshop/terra_cognita/2008/paper/main/4 ?p1 dsw:person/raluca-zaharia.
-3667.9	3	dsw:workshop/terra_cognita/2008/paper/main/4 ?p1 dsw:person/laurentiu-vasiliu.
-3668.0	1	dsw:workshop/swsc/2008/main/pcmmember swc:heldBy dsw:person/tomas-vitvar.
-3668.1	59	?n1 ?p2 dsw:person/achille-fokoue.
-3668.3	1	_:genid38 rdf:_1 dsw:person/nicola-fanizzi.
-3668.3	1	dsw:conference/lrec/2008/papers/301 swrs:author dsw:person/hiroyuki-shinnou.
-3669.0	1	_:genid37 rdf:_2 dsw:person/hanmin-jung.
-3670.3	1	dsw:conference/iswc/2008/research/pcmmember swc:heldBy dsw:person/chiara-ghidini.
-3670.6	13	?n1 rdf:type swc:OrganisingCommitteeMember.
-3670.9	80	_:genid12 ?p2 ?n1.
-3671.1	1	dsw:conference/iswc/2010/dc/pcmmember swc:heldBy dsw:person/andreas-harth.
-3671.2	18	_:genid17 rdf:_1 ?n1.
-3673.4	3	dsw:conference/iswc/2008/paper/poster_demo/43 ?p1 dsw:person/malte-kiesel.
-3673.7	13	?n1 ?p2 dsw:person/hiroyuki-shinnou.
-3674.2	3	dsw:conference/lrec/2008/papers/301 ?p1 dsw:person/hiroyuki-shinnou.
-3674.7	69	?n1 ?p2 dsw:person/andreas-harth.
-3675.6	20	?n1 ?p2 dsw:person/jianfeng-du.
-3676.1	1	dsw:person/akira-mori rdf:type foaf:Person.
-3677.1	1	dsw:person/alberto-musetti rdf:type foaf:Person.
-3677.9	1	dsw:person/alejandro-jaimes rdf:type foaf:Person.
-3678.1	1	dsw:conference/eswc/2010/paper/services/3/authorlist ?p1 dsw:person/heiko-paulheim.

log factor	frequency	
-3678.7	13	_:genid38 rdf:_1 ?n1.
-3678.8	1	dsw:person/georg-laussen rdf:type foaf:Person.
-3679.2	2	dsw:conference/isemantics/2009/paper/main/11 ?p1 dsw:person/violeta-damjanovic.
-3679.5	10	_:genid8 rdf:_4 ?n1.
-3679.7	10	_:genid59 rdf:_2 ?n1.
-3680.2	2	dsw:person/doroteo-t-toledano ?p1 "Doroteo T. Toledano".
-3680.3	13	_:genid39 rdf:_1 ?n1.
-3680.5	1	_:genid12 ?p1 dsw:person/michael-pool.
-3680.7	3	dsw:conference/iswc/2009/paper/research/347 ?p1 dsw:person/bernhard-schndl.
-3682.2	33	_:genid38 ?p2 ?n1.
-3682.9	1	_:genid14 ?p1 dsw:person/siegfried-handschuh.
-3683.8	13	_:genid37 rdf:_2 ?n1.
-3685.6	1	dsw:conference/www/2012/demo/demo-chair ?p1 dsw:person/bebo-white.
-3685.7	1	_:genid150 ?p1 dsw:person/bettina-bauer-messmer.
-3686.3	1	dsw:conference/iswc/2011/paper/semantic-web-in-use/60/authorlist ?p1 dsw:person/xi-bai.
-3686.8	169	_:genid38 rdf:_1 ?n2. ?n1 vu: mcaklein/onto/swrc_ext/2005/05_authorList _:genid38.
-3687.0	43	_:genid42 ?p2 ?n1.
-3687.1	1	dsw:conference/eswc/2010/social.web/pcmmember ?p1 dsw:person/eero-hyvoenen.
-3687.2	3	dsw:conference/eswc/2008/paper/54 ?p1 dsw:person/eero-hyvoenen.
-3687.5	1	dsw:organization/czech-technical-university-in-prague ?p1 dsw:person/petr-pollak.
-3688.1	1	dsw:conference/rr/2008/full/4/authors ?p1 dsw:person/jianfeng-du.
-3688.4	1	_:genid37 ?p1 dsw:person/stephen-larson.
-3688.7	1	_:genid117 ?p1 dsw:person/tomas-vitvar.
-3688.7	2	_:genid8 ?p1 dsw:person/irene-celino.
-3688.8	1	dsw:workshop/ssws/2008/main/chair/organisingcommitteemember ?p1 swc:OrganisingCommitteeMember.

log factor	frequency	
-3688.8	1	dsw:conference/iswc/2010/paper/468/authorlist ?p1 dsw:person/jerome-euzenat.
-3689.0	13	_:genid37 rdf:_1 ?n1.
-3689.1	1	_:genid36 ?p1 dsw:person/benjamin-coe.
-3689.2	2	dsw:conference/eswc/2011/paper/in-use/52 ?p1 dsw:person/eero-hyvoenen.
-3689.3	1	dsw:conference/eswc/2006/demo-papers/FD01-hitzler ?p1 dsw:person/malte-kiesel.
-3689.3	1	dsw:workshop/ssws/2008/main/chair/organisingcommitteemember ?p1 dsw:person/achille-fokoue.
-3689.7	1	dsw:conference/eswc/2012/poster-track-committee-member ?p1 dsw:person/tomas-vitvar.
-3689.8	8	_:genid96 rdf:_1 ?n1.
-3690.1	1	dsw:workshop/swsc/2008/main/pcmember ?p1 dsw:person/tomas-vitvar.
-3690.3	1	_:genid38 ?p1 dsw:person/nicola-fanizzi.
-3691.0	1	_:genid37 ?p1 dsw:person/hanmin-jung.
-3692.3	3	?n1 swc:heldBy dsw:person/bebo-white.
-3692.9	47	_:genid36 ?p2 ?n1.
-3693.1	1	dsw:conference/iswc/2010/dc/pcmember ?p1 dsw:person/andreas-harth.
-3694.6	1	?n1 rdf:_10 dsw:person/michael-pool.
-3694.6	1	_:genid12 rdf:_10 ?n1.
-3695.0	2	?n1 swc:heldBy dsw:person/marco-neumann.
-3695.4	13	_:genid38 rdf:_1 ?n1. dsw:conference/iswc/2008/paper/poster_demo/18 vu: mcaklein/onto/swrc_ext/2005/05_authorList _:ge
-3695.9	3	?n1 rdf:_1 dsw:person/hiroyuki-shinnou.
-3696.4	39	_:genid39 ?p2 ?n1.
-3696.7	6	dsw:conference/iseantics/2009/paper/main/45 foaf:maker ?n1.
-3697.1	1	dsw:conference/www/2012/dev/16/talk swc:hasRole ?n1. ?n1 rdf:type swc:Presenter.
-3697.1	2	dsw:person/doroteo-t-toledano foaf:made ?n1.
-3697.6	1	?n1 rdf:_1 dsw:person/bruno-alves.

	log factor	frequency	
∞	-3698.0	1	dsw:conference/dc/2010/tutorial/2/tutorial-presenter rdf:type swc:Presenter. ?n1 swc:hasRole dsw:conference/dc/2010/tutorial/2/tutorial-presenter.
	-3698.1	1	dsw:person/akira-mori ?p1 foaf:Person.
	-3698.5	1	?n1 foaf:name "Doroteo T. Toledano".
	-3698.8	1	dsw:person/michalis-foukarakis ?p1 foaf:Person.
	-3699.0	1	?n1 rdfs:label "Doroteo T. Toledano".
	-3699.0	1	dsw:person/doroteo-t-toledano rdfs:label ?n1.
	-3699.2	1	dsw:person/alberto-musetti ?p1 foaf:Person.
	-3699.2	2	_:genid152 rdf:_1 ?n1.
	-3699.3	1	dsw:person/michalis-foukarakis foaf:name ?n1.
	-3699.7	1	dsw:conference/isemantics/2009/paper/main/11 rdfs:label ?n1.
	-3699.8	1	dsw:person/michalis-foukarakis rdfs:label ?n1.
	-3699.9	1	dsw:person/alejandro-jaimes ?p1 foaf:Person.
	-3699.9	1	dsw:conference/eswc/2012/paper/in-use-industrial/138/authorlist rdf:_1 ?n1.
	-3700.1	1	dsw:person/alain-leger ?p1 foaf:Person.
	-3700.2	4	_:genid117 rdf:_1 ?n1.
	-3700.4	1	?n1 rdf:_1 dsw:person/nikos-loutas.
	-3700.5	4	dsw:workshop/ssws/2008/main/chair/organisingcommitteemember swc:heldBy ?n1.
	-3700.8	1	dsw:person/georg-laussen ?p1 foaf:Person.
	-3700.9	1	?n1 rdfs:label "Graph Kernels for RDF data".
	-3700.9	1	?n1 rdf:_1 dsw:person/petr-pollak.
	-3701.1	2	?n1 rdf:_1 dsw:person/aidan-boran.
	-3701.8	1	dsw:conference/dh/2010/abstracts/poster/ab-633 rdfs:label ?n1.
	-3702.1	1	dsw:conference/iswc/2010/paper/431/authorlist rdf:_1 ?n1.
	-3702.1	2	?n1 foaf:maker dsw:person/bettina-bauer-messmer.
	-3702.1	2	dsw:conference/www/2012/eu/10 swc:isPartOf ?n1.
	-3702.3	1	?n1 dc:creator dsw:person/violeta-damjanovic.
	-3702.3	1	dsw:conference/isemantics/2009/paper/main/11 dc:creator ?n1.



log factor	frequency	
-3702.5	37	?n1 ?p2 dsw:person/chiara-ghidini.
-3702.5	1	?n1 rdf:_2 dsw:person/stephen-larson.
-3702.8	2	?n1 rdf:_1 dsw:person/siegfried-handschuh.
-3702.9	1	dsw:workshop/ssws/2008/main/chair/organisingcommitteemember rdf:type ?n1.
-3702.9	1	dsw:conference/iswc/2010/paper/468/authorlist rdf:_1 ?n1.
-3703.0	1	?n1 dc:creator dsw:person/raluca-zaharia.
-3703.4	4	?n1 foaf:maker dsw:person/malte-kiesel.
-3703.5	1	?n1 dc:creator dsw:person/naimul-basher.
-3703.6	37	_:genid94 ?p2 ?n1.
-3703.8	4	dsw:workshop/terra-cognita/2008/paper/main/4 dc:creator ?n1.
-3704.0	1	?n1 dc:creator dsw:person/vinhtuan-thai.
-3704.3	2	?n1 rdf:_1 dsw:person/jerome-euzenat.
-3704.7	39	_:genid62 ?p2 ?n1.
-3705.4	3	?n1 rdf:_1 dsw:person/tomas-vitvar.
-3705.7	3	?n1 swc:heldBy dsw:person/tomas-vitvar.
-3706.6	2	?n1 foaf:maker dsw:person/aidan-boran.
-3706.9	3	?n1 swrs:author dsw:person/hiroyuki-shinnou.
-3708.8	2	_:genid65 http://www.w3.org/2002/12/cal/icaltzid ?n1.
-3709.0	1	dsw:conference/dh/2010/abstracts/paper/ab-766/authors rdf:type ?n1.
-3710.4	3	?n1 rdf:_1 dsw:person/achille-fokoue.
-3710.8	2	?n1 swc:heldBy dsw:person/aidan-boran.
-3711.7	6	?n1 ?p2 dsw:person/bruno-alves.
-3714.2	1	dsw:conference/eswc/2010/paper/services/3/authorlist ?p2 ?n1.
-3714.3	5	?n1 swc:heldBy dsw:person/chiara-ghidini.
-3714.9	1	dsw:person/georg-laussen rdf:type ?n1.
-3715.9	12	?n1 rdf:_3 dsw:person/eero-hyvoenen.
-3716.7	5	?n1 rdf:_1 dsw:person/andreas-harth.
-3717.0	9	dsw:person/georg-laussen swc:holdsRole ?n1.

log factor	frequency	
-3717.4	13	_:genid38 rdf:_1 ?n1. dsw:conference/iswc/2008/paper/poster_demo/18 ?p2 _:genid38.
-3718.4	8	?n1 swc:heldBy dsw:person/achille-fokoue.
-3719.7	37	_:genid59 ?p2 ?n1.
-3719.9	13	?n1 ?p2 dsw:person/aidan-boran.
-3720.5	20	?n1 ?p2 dsw:person/tomas-vitvar.
-3721.7	4	dsw:conference/eswc/2012/paper/in-use-industrial/138/authorlist ?p2 ?n1.
-3723.0	9	?n1 dc:creator dsw:person/andreas-harth.
-3724.0	12	?n1 swc:heldBy dsw:person/bernhard-schndl.
-3726.0	58	dsw:conference/iswc/2009/paper/inuse/143 dc:creator dsw:person/achille-fokoue. ?n1 ?p2 dsw:person/achille-fokoue.
-3726.2	26	?n1 swrs:author dsw:person/eero-hyvoenen.
-3726.4	5	?n1 ?p2 dsw:person/petr-pollak.
-3727.7	5	?n1 ?p2 dsw:person/benjamin-coe.
-3728.1	24	?n1 swc:heldBy dsw:person/mathieu-daquin.
-3728.9	5	?n1 ?p2 dsw:person/naimul-basher.
-3729.6	0	?n1 ?p3 ?n2. ?n2 rdf:type swc:Presenter.
-3730.0	2	dsw:conference/iswc/2010/paper/445/authorlist ?p2 ?n1.
-3731.5	30	_:genid96 ?p2 ?n1.
-3731.5	4	?n1 ?p2 dsw:person/michael-pool.
-3731.7	2	dsw:conference/iswc/2010/paper/431/authorlist ?p2 ?n1.
-3731.9	5	?n1 ?p2 dsw:person/raluca-zaharia.
-3732.4	13	dsw:conference/iswc/2008/paper/poster_demo/18 vu: mcaklein/onto/swrc_ext/2005/05_authorList ?n1. ?n1 rdf:_1 ?n2.
-3732.6	6	dsw:workshop/ssws/2008/main/chair/organisingcommitteemember ?p2 ?n1.

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log factor	frequency	
-3733.0	3	?n2 rdfs:label "Graph Kernels for RDF data". ?n2 dc:creator ?n1.
-3735.3	5	?n1 ?p2 dsw:person/julien-gaugaz.
-3738.0	45	http://www.eswc2007.org/pdf/eswc07-dellavalle.pdf rdf:type ?n2. ?n1 rdf:type ?n2.
-3738.4	2	?n1 ?p2 dsw:person/sukwon-chung.
-3739.9	5	_:bNode14 ?p2 ?n1.
-3740.6	7	?n1 ?p2 dsw:person/bettina-bauer-messmer.
-3741.2	5	dsw:conference/iswc/2010/paper/489/authorlist ?p2 ?n1.
-3741.4	6	dsw:conference/iswc/2010/paper/261/authorlist ?p2 ?n1.
-3742.5	36	_:genid99 ?p2 ?n1.
-3743.8	16	_:genid121 ?p2 ?n1.
-3744.2	0	?n1 ?p4 ?n2. ?n2 rdf:_1 ?n3.
-3746.9	4	?n1 ?p2 dsw:person/stephen-larson.
-3749.0	7	dsw:conference/www/2012/demo/demo-chair ?p2 ?n1.
-3749.7	20	dsw:conference/dh/2010/abstracts/poster/ab-633 ?p2 ?n1.
-3750.6	13	_:genid152 ?p2 ?n1.
-3751.7	29	_:genid65 ?p2 ?n1.
-3752.6	12	?n1 ?p2 dsw:person/vinhtuan-thai.
-3753.1	6	dsw:person/doroteo-t-toledano ?p2 ?n1.
-3755.1	59	dsw:conference/iswc-aswc/2007/tracks/posters-demos/papers/375 vu: mcaklein/onto/swrc_ext/2005/0 ?n2 ?p3 ?n1.
-3755.4	9	?n1 ?p2 dsw:person/violeta-damjanovic.
-3759.6	34	_:genid69 ?p2 ?n1.
-3761.7	9	dsw:person/alberto-musetti ?p2 ?n1.
-3763.9	7	dsw:person/michalis-foukarakis ?p2 ?n1.

log factor	frequency	
-3764.3	17	_:genid150 ?p2 ?n1.
-3769.0	15	?n1 ?p2 dsw:person/malte-kiesel.
-3770.1	10	dsw:conference/isemantics/2009/paper/main/11 ?p2 ?n1.
-3772.9	45	?n1 ?p2 dsw:person/elena-paslaru-bontas-simperl.
-3780.1	18	dsw:conference/iswc/2008/paper/poster_demo/43 ?p2 ?n1.
-3780.2	18	dsw:conference/eswc/2006/demo-papers/FD01-hitzler ?p2 ?n1.
-3784.0	1290	?n1 rdf:type ?n3. ?n2 rdf:type ?n3.
-3797.8	12	dsw:person/alejandro-jaimes ?p2 ?n1.
-3800.4	26	dsw:person/georg-lausen ?p2 ?n1.
-3833.3	233	?n1 ?p5 ?n3. ?n3 ?p4 ?n2.
-3902.5	47	?n1 rdf:_10 ?n2.
-3993.4	405	?n1 ?p4 ?n2. ?n2 rdf:type ?n3.
-4021.2	2102	?n1 vu: mcaklein/onto/swrc_ext/2005/05_authorList ?n2. ?n2 rdf:type ?n3.
-4106.8	156	?n1 rdfs:label ?n2.
-4204.5	373	?n1 ?p4 ?n3. ?n2 ?p4 ?n3.
-4750.2	2914	?n1 rdf:_1 ?n2.
-4761.6	248	?n1 ?p2 foaf:Person.
-4802.7	293	?n1 rdf:type foaf:Person.
-5632.4	301	?n1 foaf:name ?n2.
-6987.6	3047	?n1 rdf:_2 ?n2.
-9429.5	2385	?n1 foaf:maker ?n2.
-10493.1	2528	?n1 dc:creator ?n2.

## Dogfood, top 500 by frequency

log factor	frequency	
-5052.5	16582	?n1 rdf:_1 ?n3. ?n1 rdf:_1 ?n2.
-4021.9	6804	_:genid9 ?p4 ?n1. _:genid9 ?p3 ?n2.
28232.1	5807	?n1 swc:heldBy ?n2.
122602.4	5709	?n1 swc:heldBy ?n2. ?n2 swc:holdsRole ?n1.
-3801.0	3734	?n1 ?p3 dsw:conference/eswc/2011/programme-committee-member. ?n2 ?p3 dsw:conference/eswc/2011/programme-committee-member.
-4178.4	3157	?n2 ?p4 ?n1. ?n2 rdf:_4 ?n3.
-7299.7	2799	?n1 rdf:_2 ?n2.
-4442.9	2449	?n1 rdf:_1 ?n2.
-4599.6	2393	?n1 rdf:_1 ?n4. ?n2 rdf:_1 ?n4. ?n2 rdf:_1 ?n3.
-9551.9	2193	?n1 foaf:maker ?n2.
6218.0	1939	?n1 rdf:type ?n2.
-3804.8	1938	dsw:conference/iswc-aswc/2007/chair_12 ?p4 ?n3. ?n1 ?p4 ?n3. ?n1 ?p4 ?n2.
-1305.2	1713	?n1 http://purl.org/dc/terms/creator ?n2.
-15966.3	1672	?n1 http://purl.org/ontology/bibo/authorList ?n2.
3849.2	1663	?n1 swc:holdsRole ?n2.
-1446.4	1587	?n1 rdf:type rdf:Seq.

log factor	frequency	
271.9	1587	?n1 ?p2 rdf:Seq.
-2977.3	1541	?n2 rdf:_3 ?n3. ?n2 http://www.w3.org/2002/12/cal/ical.date ?n1.
-197.2	1466	?n1 vu: mcaklein/onto/swrc_ext/2005/05_authorList ?n2.
-1595.5	1463	?n2 rdf:type ?n3. ?n2 rdf:_4 ?n1.
-3974.4	1292	?n1 ?p4 ?n3. ?n1 ?p4 ?n2.
-3829.0	1216	_:genid9 ?p3 ?n2. _:genid9 ?p3 ?n1.
-3828.3	1209	dsw:conference/iswc-aswc/2007/chair_12 ?p5 ?n3. ?n1 ?p4 ?n3. ?n1 ?p4 ?n2.
-3082.3	1044	?n1 ?p3 ?n2.
-4012.3	670	?n1 ?p5 ?n4. ?n2 ?p5 ?n4. ?n2 ?p5 ?n3.
-4179.5	613	?n1 vu: mcaklein/onto/swrc_ext/2005/05_authorList ?n2. ?n2 rdf:_7 ?n3.
-3790.2	479	?n1 ?p3 ?n2. ?n1 ?p3 dsw:person/jason-jung.
-3067.7	421	?n1 rdf:type ?n3. ?n1 rdf:type ?n2.
-3808.7	398	dsw:person/rayid-ghani ?p3 ?n2. ?n1 ?p3 ?n2.
-1939.1	396	?n1 http://www.w3.org/2002/12/cal/ical.date ?n2.
-3745.9	359	dsw:person/rayid-ghani swc:holdsRole ?n2. ?n1 swc:holdsRole ?n2.

log factor	frequency	
-2779.2	335	?n1 ?p2 dsw:conference/eswc/2011/programme-committee-member.
-2727.6	334	?n1 swc:holdsRole dsw:conference/eswc/2011/programme-committee-member.
1626.1	334	dsw:conference/eswc/2011/programme-committee-member swc:heldBy ?n1. ?n1 swc:holdsRole dsw:conference/eswc/2011/programme-committee-member.
-3707.5	333	dsw:person/rayid-ghani swc:holdsRole dsw:conference/eswc/2011/programme-committee-member. ?n1 swc:holdsRole dsw:conference/eswc/2011/programme-committee-member.
-3729.5	333	dsw:person/rayid-ghani ?p2 dsw:conference/eswc/2011/programme-committee-member. ?n1 ?p2 dsw:conference/eswc/2011/programme-committee-member.
-3171.2	309	?n1 rdf:type geo:Point.
-2738.5	277	dsw:conference/eswc/2012/research-track-committee-member ?p2 ?n1.
-2678.0	274	dsw:conference/eswc/2012/research-track-committee-member swc:heldBy ?n1.
-3887.4	271	_:genid95 ?p4 ?n3. ?n1 ?p4 ?n3. ?n1 ?p4 ?n2.
-3754.4	164	_:genid9 ?p3 ?n1. _:genid9 http://www.w3.org/2002/12/cal/ical_date ?n2.
-3817.4	147	_:genid95 rdf:type ?n3. ?n1 rdf:type ?n3. ?n1 rdf:type ?n2.
-3708.6	126	?n2 ?p3 ?n1. ?n2 http://www.w3.org/2002/12/cal/ical_date "2009-05-31T18:00:00".
-3550.9	97	_:genid10 ?p2 ?n1.
-4294.2	95	?n1 ?p2 foaf:Person.
-3625.0	89	_:genid5 ?p2 ?n1.
-3505.4	89	dsw:organization/yahoo-inc ?p2 ?n1.
-3698.7	86	_:genid6 ?p2 ?n1.
-3633.7	86	_:genid11 ?p2 ?n1.

log factor	frequency	
-3757.9	82	?n2 ?p3 ?n1. ?n2 rdf:_2 dsw:person/jan-hettenhausen.
-3468.0	73	dsw:organization/yahoo-inc foaf:member ?n1.
-3815.9	72	_:genid11 rdf:_1 ?n2. ?n1 ?p3 ?n2.
-3755.1	70	dsw:workshop/om/2008/paper/main/21 vu: mcaklein/onto/swrc_ext/2005/05_authorList ?n2. ?n2 ?p3 ?n1.
-3596.9	67	?n1 ?p2 dsw:person/haofen-wang.
-3660.9	67	_:genid18 ?p2 ?n1.
-3721.2	66	_:genid18 ?p2 ?n1. _:genid18 rdf:_1 dsw:person/gary-wills.
-3576.6	65	?n1 ?p2 dsw:person/deborah-mcguinness.
-3719.8	65	_:genid1 ?p2 ?n1.
-3970.0	64	?n1 rdf:_9 ?n2.
-3695.6	59	_:genid27 ?p2 ?n1.
-3696.5	59	_:genid50 ?p2 ?n1.
-3688.2	52	_:genid24 ?p2 ?n1.
-3740.6	52	?n1 ?p2 dsw:person/denny-vrandecic.
-3737.8	51	_:genid11 rdf:_1 ?n2. ?n1 swrs:author ?n2.
-3679.5	49	_:genid23 ?p2 ?n1.
-3706.1	48	_:genid48 ?p2 ?n1.
-3716.6	48	_:genid48 ?p2 ?n1. dsw:conference/www/2008/paper/431 vu: mcaklein/onto/swrc_ext/2005/05_authorList _:genid48.
-3661.4	47	?n1 ?p2 dsw:person/maria-esther-vidal.
-3681.1	47	_:genid46 ?p2 ?n1.
-3692.9	47	_:genid36 ?p2 ?n1.
-3609.9	43	dsw:workshop/swcs/2012/programme-committee-member ?p2 ?n1.



log factor	frequency	
-3729.1	43	_:genid56 ?p2 ?n1.
-3677.4	41	_:genid45 ?p2 ?n1.
-3564.6	40	dsw:workshop/swcs/2012/programme-committee-member swc:heldBy ?n1.
-3611.2	39	?n1 ?p2 dsw:person/gong-cheng.
-3698.4	39	?n1 ?p2 dsw:person/matthew-rowe.
-3743.1	38	?n1 ?p2 dsw:person/giorgos-stoilos.
-3725.6	37	_:genid82 ?p2 ?n1.
-3597.5	37	dsw:conference/iswc/2012/paper/poster-demo-26 ?p2 ?n1.
-3716.3	36	?n1 ?p2 dsw:person/katharina-siorpaes.
-3758.7	36	_:genid66 ?p2 ?n1.
-3730.4	36	_:genid78 ?p2 ?n1.
-3649.8	36	?n1 ?p2 dsw:person/vanja-josifovski.
-3759.6	34	_:genid69 ?p2 ?n1.
-3731.8	33	_:genid72 ?p2 ?n1.
-3693.2	32	dsw:workshop/sdow/2011/pcmmember ?p2 ?n1.
-3745.8	31	_:genid90 ?p2 ?n1.
-3732.2	30	_:genid9 rdf:_3 ?n2.
		_:genid9 http://www.w3.org/2002/12/cal/ical_date ?n1.
-3730.5	30	?n1 rdf:_1 ?n2.
		?n1 rdf:_1 dsw:person/jason-jung.
-3751.7	29	_:genid65 ?p2 ?n1.
-3737.3	26	?n1 ?p2 dsw:person/karl-aberer.
-3665.6	24	_:genid5 rdf:_1 ?n1.
-3737.1	23	?n1 ?p2 dsw:person/gang-wang.
-3703.3	21	?n1 rdf:_3 ?n2.
		?n1 http://www.w3.org/2002/12/cal/ical_date "2009-05-31T18:00:00".
-3728.1	21	?n1 ?p3 "2009-05-31T18:00:00".
		?n1 rdf:_3 ?n2.

log factor	frequency	
-3769.4	20	_:genid135 ?p2 ?n1.
-3670.9	19	_:genid15 rdf:_1 ?n1.
-3697.6	16	_:genid18 rdf:_2 ?n1.
-3733.0	15	?n1 foaf:maker dsw:person/deborah-mcguinness.
-3716.3	15	?n1 ?p2 dsw:person/rolf-gruetter.
-3787.8	14	dsw:person/adrian-marte ?p2 ?n1.
-3788.7	14	dsw:conference/dh/2010/abstracts/poster/ab-643 ?p2 ?n1.
-3722.1	14	dsw:conference/iswc/2011/paper/poster-demo/40 ?p2 ?n1.
-3674.6	14	_:genid23 rdf:_2 ?n1.
-3729.2	13	dsw:workshop/LDOW/2008/paper/3 ?p2 ?n1.
-3691.8	13	_:genid48 rdf:_1 ?n1.
-3673.6	13	?n1 ?p2 _:genid48.
-3646.4	13	?n1 vu: mcaklein/onto/swrc_ext/2005/05_authorList _:genid48.
-3690.6	13	_:genid27 rdf:_3 ?n1.
-3717.4	12	?n1 ?p2 dsw:person/samur-araujo.
-3736.6	11	?n1 ?p2 dsw:person/kai-eckert.
-3703.9	11	?n1 ?p2 dsw:person/james-michaelis.
-3717.9	10	?n1 ?p2 dsw:person/varish-mulwad.
-3786.8	9	dsw:person/kenneth-church ?p2 ?n1.
-3704.2	9	?n1 ?p2 dsw:person/jianqiang-li.
-3714.2	9	?n1 swc:heldBy dsw:person/matthew-rowe.
-3764.5	8	dsw:person/nematollaah-shiri ?p2 ?n1.
-3704.0	8	?n1 http://purl.org/dc/terms/creator dsw:person/fabio-ciravegna.
-3672.5	8	?n1 vu: mcaklein/onto/swrc_ext/2005/05_authorList _:genid72.
-3694.1	8	_:genid78 rdf:_2 ?n1.
-3703.7	7	dsw:organization/yahoo-inc rdfs:label ?n1.
-3699.9	7	dsw:organization/yahoo-inc foaf:name ?n1.
-3744.7	6	dsw:conference/iswc/2012/paper/poster-demo-26/authors ?p2 ?n1.

log factor	frequency	
-3705.6	6	?n1 rdf:_1 dsw:person/willem-van-hage.
-3742.8	5	dsw:conference/iswc/2010/paper/515/authorlist ?p2 ?n1.
-3726.0	5	?n1 ?p2 dsw:person/lisa-lena-opas-haenninen.
-3724.1	5	?n1 ?p2 dsw:person/yi-chin-tu.
-3729.5	5	?n1 ?p2 dsw:person/yon-dourisboure.
-3726.8	5	?n1 ?p2 dsw:person/kukulenz-dirk.
-3729.2	5	?n1 ?p2 dsw:person/jan-zemanek.
-3745.6	5	_:b5 ?p2 ?n1.
-3694.8	5	_:genid72 rdf:_3 ?n1.
-3726.4	5	?n1 ?p2 dsw:person/brett-cannon.
-3711.8	5	_:genid1 rdf:_1 ?n1.
-3680.9	4	?n1 http://www.w3.org/2002/12/cal/ical.date "2010-05-31T13:00:00".
-3705.2	4	?n1 ?p2 "2010-05-31T13:00:00".
-3663.1	4	dsw:conference/iswc/2012/paper/poster-demo-26 ?p1 dsw:person/james-michaelis.
-3739.7	4	dsw:conference/www/2012/paper/518/talk/speaker ?p2 ?n1.
-3707.7	3	_:genid135 rdf:_1 ?n1.
-3725.5	3	dsw:workshop/ores/2010/paper/main/9/authorlist ?p2 ?n1.
-3703.2	3	?n1 rdf:_1 dsw:person/gang-wang.
-3703.3	3	?n1 dc:creator dsw:person/samur-araujo.
-3696.2	3	?n1 rdf:_1 dsw:person/samur-araujo.
-3667.3	3	dsw:conference/iswc/2011/paper/semantic-web-in-use/68 ?p1 dsw:person/jianqiang-li.
-3668.7	3	dsw:workshop/LDOW/2008/paper/3 ?p1 dsw:person/jianqiang-li.
-3668.7	3	dsw:workshop/LDOW/2008/paper/3 ?p1 dsw:person/yu-zhao.
-3682.9	3	dsw:workshop/LDOW/2008/paper/3 ?p1 dsw:person/jianqiang-li.
		dsw:workshop/LDOW/2008/paper/3 swc:isPartOf dsw:workshop/LDOW/2008/proceedings.
-3684.5	3	?n1 rdf:_1 dsw:person/varish-mulwad.
-3711.5	3	?n1 foaf:member dsw:person/xuanhui-wang.
-3692.5	3	?n1 vu: mcaklein/onto/swrc.ext/2005/05-authorList _:genid132.

log factor	frequency	
-3718.2	3	_:genid69 rdf:type ?n1.
-3707.6	3	_:genid18 ?p2 "2010-05-31T13:00:00". ?n1 http://www.w3.org/2002/12/cal/ical.date "2010-05-31T13:00:00".
-3684.5	3	?n1 http://www.w3.org/2002/12/cal/ical.date "2008-04-25T15:30:00".
-3707.5	2	dsw:person/rayid-ghani swc:holdsRole ?n1.
-3704.5	2	dsw:workshop/LDOW/2008/paper/3 foaf:maker ?n1.
-3703.5	2	?n1 foaf:maker dsw:person/yu-zhao.
-3703.5	2	?n1 foaf:maker dsw:person/jianqiang-li.
-3706.2	2	?n1 swc:heldBy dsw:person/kai-eckert.
-3694.9	2	dsw:organization/yahoo-inc ?p1 "Yahoo! Inc".
-3732.0	2	?n1 ?p2 "Yahoo! Inc".
-3712.6	2	_:genid11 ?p2 ?n1. dsw:workshop/obi/2008/paper/main/7 swrs:author ?n1.
-3706.3	2	dsw:conference/iswc/2011/paper/poster-demo/40 swrs:author ?n1.
-3701.4	2	dsw:conference/iswc/2011/paper/poster-demo/40 http://purl.org/dc/terms/creator ?n1.
-3708.3	2	_:genid10 http://www.w3.org/2002/12/cal/ical.tzid ?n1.
-3703.8	1	dsw:person/kenneth-church swc:holdsRole ?n1.
-3689.9	1	dsw:person/lorenzino-vaccari ?p1 dsw:conference/eswc/2011/programme-committee-member. dsw:person/rayid-ghani ?p1 dsw:conference/eswc/2011/programme-committee-member.
-3667.9	1	dsw:person/lorenzino-vaccari swc:holdsRole dsw:conference/eswc/2011/programme-committee-member. dsw:person/rayid-ghani swc:holdsRole dsw:conference/eswc/2011/programme-committee-member.
-3692.5	1	dsw:person/lorenzino-vaccari ?p1 dsw:conference/eswc/2011/programme-committee-member.
-3691.0	1	dsw:person/neil-ireson ?p1 dsw:conference/eswc/2011/programme-committee-member. dsw:person/rayid-ghani ?p1 dsw:conference/eswc/2011/programme-committee-member.
-3692.7	1	dsw:person/rayid-ghani ?p1 dsw:conference/eswc/2011/programme-committee-member.
-3670.7	1	dsw:person/rayid-ghani swc:holdsRole dsw:conference/eswc/2011/programme-committee-member.

log factor	frequency	
-3669.6	1	dsw:workshop/swcs/2012/programme-committee-member swc:heldBy dsw:person/maria-esther-vidal.
-3691.6	1	dsw:workshop/swcs/2012/programme-committee-member ?p1 dsw:person/maria-esther-vidal.
-3688.4	1	dsw:organization/universidad-simon-bolivar ?p1 dsw:person/maria-esther-vidal.
-3719.8	1	dsw:workshop/ores/2010/paper/main/9/authorlist ?p2 ?n1. ?n1 foaf:mbox.shalsum "7ae854a556d73b4957e15b6f13efc08eaa48e3e4".
-3697.7	1	dsw:workshop/ores/2010/paper/main/9/authorlist rdf:_3 ?n1. ?n1 foaf:mbox.shalsum "7ae854a556d73b4957e15b6f13efc08eaa48e3e4".
-3707.2	1	?n1 foaf:mbox.shalsum "7ae854a556d73b4957e15b6f13efc08eaa48e3e4".
-3671.1	1	dsw:person/adrian-marte foaf:mbox.shalsum "7ae854a556d73b4957e15b6f13efc08eaa48e3e4".
-3729.2	1	?n1 ?p2 "7ae854a556d73b4957e15b6f13efc08eaa48e3e4".
-3693.1	1	dsw:person/adrian-marte ?p1 "7ae854a556d73b4957e15b6f13efc08eaa48e3e4".
-3685.9	1	dsw:conference/iswc/2010/paper/515/authorlist ?p1 dsw:person/samur-araujo.
-3663.8	1	dsw:conference/iswc/2010/paper/515/authorlist rdf:_1 dsw:person/samur-araujo.
-3680.4	1	dsw:conference/iswc/2010/paper/515 foaf:maker dsw:person/samur-araujo. dsw:conference/iswc/2010/paper/515/authorlist ?p1 dsw:person/samur-araujo.
-3701.3	1	?n1 http://purl.org/dc/terms/creator dsw:person/jianqiang-li.
-3665.1	1	dsw:conference/iswc/2011/paper/semantic-web-in-use/68 http://purl.org/dc/terms/creator dsw:pers
-3666.5	1	dsw:workshop/LDOW/2008/paper/3 foaf:maker dsw:person/jianqiang-li.
-3666.5	1	dsw:workshop/LDOW/2008/paper/3 foaf:maker dsw:person/yu-zhao.
-3690.7	1	dsw:workshop/LDOW/2008/paper/3 ?p1 http://sunsite.informatik.rwth-aachen.de/Publications/CEUR-V
-3666.3	1	dsw:workshop/LDOW/2008/paper/3 dc:creator dsw:person/jianqiang-li.
-3699.5	1	?n1 rdf:_1 dsw:person/lisa-lena-opas-haenninen.
-3663.3	1	dsw:conference/dh/2010/abstracts/paper/ab-775/authors rdf:_1 dsw:person/lisa-lena-opas-haennine

log factor	frequency	
-3685.3	1	dsw:conference/dh/2010/abstracts/paper/ab-775/authors ?p1 dsw:person/lisa-lena-opas-haenninen.
-3705.0	1	dsw:person/nematollaah-shiri foaf:firstName ?n1.
-3698.6	1	dsw:person/nematollaah-shiri ?p1 foaf:Person.
-3676.6	1	dsw:person/nematollaah-shiri rdf:type foaf:Person.
-3712.8	1	dsw:person/nematollaah-shiri rdf:type ?n1.
-3686.6	1	_:genid24 ?p1 dsw:person/yi-chin-tu.
-3731.0	1	dsw:conference/dh/2010/abstracts/poster/ab-643 http://purl.org/ontology/bibo/authorList ?n1. ?n1 rdf:_1 ?n2.
-3705.5	1	dsw:conference/dh/2010/abstracts/poster/ab-643 http://purl.org/ontology/bibo/authorList ?n1.
-3691.4	1	dsw:conference/dh/2010/abstracts/poster/ab-643 ?p1 dsw:conference/dh/2010/abstracts/poster/ab-6
-3727.5	1	?n1 ?p2 dsw:conference/dh/2010/abstracts/poster/ab-643/authors.
-3669.3	1	dsw:conference/dh/2010/abstracts/poster/ab-643 http://purl.org/ontology/bibo/authorList dsw:con
-3705.5	1	?n1 http://purl.org/ontology/bibo/authorList dsw:conference/dh/2010/abstracts/poster/ab-643/aut
-3670.1	1	dsw:conference/eswc/2012/research-track-committee-member swc:heldBy dsw:person/kai-eckert.
-3692.1	1	dsw:conference/eswc/2012/research-track-committee-member ?p1 dsw:person/kai-eckert.
-3750.6	1	?n1 ?p3 ?n2. ?n2 foaf:made dsw:conference/www/2010/paper/main/23.
-3688.0	1	_:genid90 ?p1 dsw:person/jan-zemanek.
-3675.7	1	_:genid15 rdf:_1 dsw:person/c-maria-keet.
-3671.7	1	_:genid15 rdf:_1 dsw:person/daniel-bachlechner.
-3699.6	1	dsw:conference/iswc/2012/paper/poster-demo-26/authors rdf:_1 ?n1.
-3702.8	1	dsw:conference/iswc/2012/paper/poster-demo-26/authors rdf:_2 ?n1.

log factor	frequency	
-3666.6	1	dsw:conference/iswc/2012/paper/poster-demo-26/authors rdf:.2 dsw:person/deborah-mcguinness.
-3688.7	1	dsw:conference/iswc/2012/paper/poster-demo-26/authors ?p1 dsw:person/deborah-mcguinness.
-3712.0	1	dsw:conference/iswc/2011/paper/doctoral-consortium/14/authorlist ?p2 ?n1.
-3675.9	1	dsw:conference/iswc/2011/paper/doctoral-consortium/14/authorlist ?p1 dsw:person/varish-mulwad.
-3653.8	1	dsw:conference/iswc/2011/paper/doctoral-consortium/14/authorlist rdf:.1 dsw:person/varish-mulwad.
-3662.5	1	_:b3 rdf:.1 dsw:person/varish-mulwad.
-3684.5	1	_:b3 ?p1 dsw:person/varish-mulwad.
-3698.7	1	_:b3 rdf:.1 ?n1.
-3667.4	1	dsw:organization/yahoo-inc rdfs:label "Yahoo! Inc".
-3670.4	1	dsw:organization/yahoo-inc foaf:member dsw:person/xuanhui-wang.
-3695.7	1	_:genid11 rdf:.1 ?n1. dsw:workshop/obi/2008/paper/main/7 swrs:author ?n1.
-3699.7	1	_:genid11 rdf:.1 ?n1. dsw:conference/iswc/2011/paper/poster-demo/40 swrs:author ?n1.
-3698.8	1	?n1 http://purl.org/dc/terms/creator dsw:person/akira-mori.
-3699.2	1	?n1 swrs:editor dsw:person/denny-vrandecic.
-3663.1	1	dsw:workshop/insemtive/2008/proceedings swrs:editor dsw:person/denny-vrandecic.
-3685.1	1	dsw:workshop/insemtive/2008/proceedings ?p1 dsw:person/denny-vrandecic.
-3690.3	1	_:genid48 ?p1 dsw:person/willem-van-hage.
-3668.3	1	_:genid48 rdf:.1 dsw:person/willem-van-hage.
-3665.3	1	dsw:conference/www/2008/paper/431 vu: mcaklein/onto/swrc_ext/2005/05_authorList _:genid48.
-3687.4	1	dsw:conference/www/2008/paper/431 ?p1 _:genid48.
-3701.7	1	dsw:conference/www/2007/paper/main/429 vu: mcaklein/onto/swrc_ext/2005/05_authorList ?n1.
-3703.1	1	?n1 foaf:maker dsw:person/brett-cannon.
-3691.2	1	_:genid36 ?p1 dsw:person/vanja-josifovski.

log factor	frequency	
-3728.0	1	dsw:workshop/om/2008/paper/main/21 vu: mcaklein/onto/swrc.ext/2005/05_authorList ?n1. ?n1 rdf:_7 ?n2.
-3693.5	1	_:genid16 rdf:_7 ?n1. dsw:workshop/om/2008/paper/main/21 vu: mcaklein/onto/swrc.ext/2005/05_authorList _:genid16.
-3690.1	1	_:genid23 ?p1 dsw:person/zheng-chen.
-3697.6	1	dsw:conference/iswc/2011/paper/semantic-web-in-use/76/authorlist rdf:_9 ?n1.
-3691.1	1	dsw:workshop/sdow/2011/pcmmember ?p1 dsw:person/matthew-rowe.
-3669.0	1	dsw:workshop/sdow/2011/pcmmember swc:heldBy dsw:person/matthew-rowe.
-3690.8	1	dsw:conference/iswc/2011/paper/industry/21/authorlist rdf:_1 ?n1.
-3707.0	1	?n1 rdf:_1 dsw:person/karl-aberer.
-3670.8	1	_:genid1 rdf:_1 dsw:person/karl-aberer.
-3692.9	1	_:genid1 ?p1 dsw:person/karl-aberer.
-3700.1	1	?n1 rdf:_1 dsw:person/peyman-sazedj.
-3700.1	1	_:genid18 http://www.w3.org/2002/12/cal/ical_date ?n1.
-3663.9	1	_:genid18 http://www.w3.org/2002/12/cal/ical_date "2010-05-31T13:00:00".
-3686.0	1	_:genid18 ?p1 "2010-05-31T13:00:00".
-3671.5	1	_:genid11 http://www.w3.org/2002/12/cal/ical_date "2010-05-31T13:00:00". _:genid18 ?p1 "2010-05-31T13:00:00".
-3707.6	1	_:genid11 http://www.w3.org/2002/12/cal/ical_date ?n1. _:genid18 ?p2 ?n1.
-3693.5	1	_:genid11 ?p2 "2010-05-31T13:00:00". _:genid18 ?p1 "2010-05-31T13:00:00".
-3809.4	1	dsw:conference/iswc-aswc/2007/chair_12 swc:heldBy ?n1. ?n2 ?p4 ?n3. ?n2 ?p4 ?n1.
-3707.5	1	dsw:conference/eswc/2007/time-20070605T153000EuropeVienna rdf:type ?n1.
-3695.5	1	dsw:conference/dh/2010/abstracts/paper/ab-684/authors ?p1 rdf:Seq.
-3673.4	1	dsw:conference/dh/2010/abstracts/paper/ab-684/authors rdf:type rdf:Seq.



log factor	frequency	
-3709.6	1	dsw:conference/dh/2010/abstracts/paper/ab-684/authors rdf:type ?n1.
-3699.6	1	dsw:conference/dh/2010/abstracts/paper/ab-684/authors rdf:type ?n1. dsw:conference/dh/2010/abstracts/paper/ab-684/authors rdf:_4 dsw:person/stefan-beyer.
-3735.8	1	dsw:conference/dh/2010/abstracts/paper/ab-684/authors rdf:type ?n2. dsw:conference/dh/2010/abstracts/paper/ab-684/authors rdf:_4 ?n1.
-3709.7	1	dsw:conference/www/2012/paper/518/talk/speaker rdf:type ?n1.
-3744.2	0	?n1 ?p4 ?n2. ?n2 rdf:_7 ?n3.

### AIFB, top 100 by log factor

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log factor	frequency	
8919.0	2477	?n1 swrs:isAbout ?n2.
3857.8	4124	?n1 rdf:type ?n2.
923.9	1066	?n1 ?p2 swrs:Person.
827.3	1045	?n1 rdf:type swrs:Person.
-141.5	1240	?n1 ?p2 swrs:Publication.
-167.7	1222	?n1 rdf:type swrs:Publication.
-893.7	1529	?n1 swrs:author ?n2.
-907.8	3388	?n1 ?p3 ?n2.
-939.9	687	?n1 rdf:type swrs:InProceedings.
-975.2	687	?n1 ?p2 swrs:InProceedings.
-1495.3	31	?n1 ?p2 owl:DatatypeProperty.
-1536.6	146	?n1 rdf:type swrs:ResearchTopic.
-1582.5	152	?n1 rdf:type owl:Restriction.
-1583.0	147	?n1 ?p2 swrs:ResearchTopic.
-1609.0	152	?n1 owl:onProperty ?n2.

log factor	frequency	
-1613.5	152	?n1 ?p2 owl:Restriction.
-1668.8	55	?n1 rdf:type owl:Class.
-1696.9	55	?n1 ?p2 owl:Class.
-1745.2	65	?n1 rdf:type swrs:PhDStudent.
-1747.9	40	?n1 swrs:isAbout <a href="http://www.aifb.uni-karlsruhe.de/Forschungsgebiete/viewForschungsgebietOWL/id5">http://www.aifb.uni-karlsruhe.de/Forschungsgebiete/viewForschungsgebietOWL/id5</a>
-1767.8	78	?n1 rdf:type swrs:Project.
-1769.7	13	swrs:InBook rdfs:subClassOf ?n1.
-1775.0	87	?n1 ?p2 swrs:Project.
-1775.1	40	?n1 ?p2 <a href="http://www.aifb.uni-karlsruhe.de/Forschungsgebiete/viewForschungsgebietOWL/id52instance">http://www.aifb.uni-karlsruhe.de/Forschungsgebiete/viewForschungsgebietOWL/id52instance</a>
-1777.4	1	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id1073instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id1073instance</a> swrs:isAbout <a href="http://www.aifb.uni-karlsruhe.de/Forschungsgebiete/viewForschungsgebietOWL/id54instance">http://www.aifb.uni-karlsruhe.de/Forschungsgebiete/viewForschungsgebietOWL/id54instance</a>
-1779.7	1	<a href="http://www.aifb.uni-karlsruhe.de/Personen/viewPersonOWL/id2115instance">http://www.aifb.uni-karlsruhe.de/Personen/viewPersonOWL/id2115instance</a> swrs:publication <a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id333instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id333instance</a>
-1780.9	1	<a href="http://www.aifb.uni-karlsruhe.de/Forschungsgebiete/viewForschungsgebietOWL/id54instance">http://www.aifb.uni-karlsruhe.de/Forschungsgebiete/viewForschungsgebietOWL/id54instance</a> rdf:type swrs:Project.
-1781.1	1	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id576instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id576instance</a> swrs:name "Sa
-1784.2	1	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id333instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id333instance</a> rdf:type swrs:Project.
-1784.3	1	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id655instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id655instance</a> rdf:type swrs:Project.
-1784.9	1	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id262instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id262instance</a> rdf:type swrs:Project.
-1785.0	1	_:ub1bL199C18 rdf:type owl:Restriction.
-1785.4	1	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id583instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id583instance</a> rdf:type swrs:Project.

log factor	frequency	
-1785.4	1	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id637instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id637instance</a> rdf:type swrs:
-1785.9	1	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id594instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id594instance</a> rdf:type swrs:I
-1786.6	1	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id684instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id684instance</a> rdf:type swrs:I
-1786.6	1	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id499instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id499instance</a> rdf:type swrs:I
-1786.8	1	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id841instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id841instance</a> rdf:type swrs:I
-1787.0	1	<a href="http://www.aifb.uni-karlsruhe.de/Personen/viewPersonOWL/id2008instance">http://www.aifb.uni-karlsruhe.de/Personen/viewPersonOWL/id2008instance</a> rdf:type swrs:Person.
-1787.1	1	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id333instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id333instance</a> rdf:type swrs:E
-1787.2	1	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id663instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id663instance</a> rdf:type swrs:I
-1787.2	1	<a href="http://www.aifb.uni-karlsruhe.de/Personen/viewPersonOWL/id2151instance">http://www.aifb.uni-karlsruhe.de/Personen/viewPersonOWL/id2151instance</a> rdf:type swrs:Person.
-1787.3	1	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id542instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id542instance</a> rdf:type swrs:E
-1787.5	1	<a href="http://www.aifb.uni-karlsruhe.de/Personen/viewPersonOWL/id2118instance">http://www.aifb.uni-karlsruhe.de/Personen/viewPersonOWL/id2118instance</a> rdf:type swrs:Person.
-1787.5	1	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id214instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id214instance</a> rdf:type swrs:E
-1787.5	1	<a href="http://www.aifb.uni-karlsruhe.de/Personen/viewPersonOWL/id48instance">http://www.aifb.uni-karlsruhe.de/Personen/viewPersonOWL/id48instance</a> rdf:type swrs:Person.
-1788.0	1	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id709instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id709instance</a> rdf:type swrs:

log factor	frequency	
-1788.0	1	<a href="http://www.aifb.uni-karlsruhe.de/Publicationen/viewExternerAutorOWL/id364instance">http://www.aifb.uni-karlsruhe.de/Publicationen/viewExternerAutorOWL/id364instance</a> rdf:type swrs
-1788.0	1	<a href="http://www.aifb.uni-karlsruhe.de/Publicationen/viewExternerAutorOWL/id179instance">http://www.aifb.uni-karlsruhe.de/Publicationen/viewExternerAutorOWL/id179instance</a> rdf:type swrs
-1788.0	1	<a href="http://www.aifb.uni-karlsruhe.de/Publicationen/viewExternerAutorOWL/id598instance">http://www.aifb.uni-karlsruhe.de/Publicationen/viewExternerAutorOWL/id598instance</a> rdf:type swrs
-1788.0	1	<a href="http://www.aifb.uni-karlsruhe.de/Publicationen/viewExternerAutorOWL/id703instance">http://www.aifb.uni-karlsruhe.de/Publicationen/viewExternerAutorOWL/id703instance</a> rdf:type swrs
-1791.2	1	swrs:title ?p1 owl:DatatypeProperty.
-1796.4	1	<a href="http://www.aifb.uni-karlsruhe.de/Publicationen/viewPublikationOWL/id1073instance">http://www.aifb.uni-karlsruhe.de/Publicationen/viewPublikationOWL/id1073instance</a> ?p1 <a href="http://www.aifb.uni-karlsruhe.de/Publicationen/viewPublikationOWL/id1073instance">http://www.aifb.uni-karlsruhe.de/Publicationen/viewPublikationOWL/id1073instance</a>
-1796.6	1	<a href="http://www.aifb.uni-karlsruhe.de/Publicationen/viewPublikationOWL/id1116instance">http://www.aifb.uni-karlsruhe.de/Publicationen/viewPublikationOWL/id1116instance</a> ?p1 <a href="http://www.aifb.uni-karlsruhe.de/Publicationen/viewPublikationOWL/id1116instance">http://www.aifb.uni-karlsruhe.de/Publicationen/viewPublikationOWL/id1116instance</a>
-1798.8	1	<a href="http://www.aifb.uni-karlsruhe.de/Personen/viewPersonOWL/id2115instance">http://www.aifb.uni-karlsruhe.de/Personen/viewPersonOWL/id2115instance</a> ?p1 <a href="http://www.aifb.uni-karlsruhe.de/Personen/viewPersonOWL/id2115instance">http://www.aifb.uni-karlsruhe.de/Personen/viewPersonOWL/id2115instance</a>
-1799.9	1	<a href="http://www.aifb.uni-karlsruhe.de/Forschungsgebiete/viewForschungsgebietOWL/id54instance">http://www.aifb.uni-karlsruhe.de/Forschungsgebiete/viewForschungsgebietOWL/id54instance</a> ?p1 swrs
-1800.1	1	<a href="http://www.aifb.uni-karlsruhe.de/Publicationen/viewExternerAutorOWL/id576instance">http://www.aifb.uni-karlsruhe.de/Publicationen/viewExternerAutorOWL/id576instance</a> ?p1 "Sam Chap
-1800.6	1	<a href="http://www.aifb.uni-karlsruhe.de/Publicationen/viewExternerAutorOWL/id576instance">http://www.aifb.uni-karlsruhe.de/Publicationen/viewExternerAutorOWL/id576instance</a> ?p1 <a href="http://www.aifb.uni-karlsruhe.de/Publicationen/viewExternerAutorOWL/id576instance">http://www.aifb.uni-karlsruhe.de/Publicationen/viewExternerAutorOWL/id576instance</a>
-1801.0	14	swrs:InBook ?p2 ?n1.
-1802.1	1	<a href="http://www.aifb.uni-karlsruhe.de/Forschungsgebiete/viewForschungsgebietOWL/id28instance">http://www.aifb.uni-karlsruhe.de/Forschungsgebiete/viewForschungsgebietOWL/id28instance</a> ?p1 swrs
-1802.2	227	?n1 swrs:phone ?n2.
-1803.3	1	swrs:Proceedings ?p1 owl:Class.
-1803.4	1	<a href="http://www.aifb.uni-karlsruhe.de/Publicationen/viewExternerAutorOWL/id655instance">http://www.aifb.uni-karlsruhe.de/Publicationen/viewExternerAutorOWL/id655instance</a> ?p1 swrs:Pers

log factor	frequency	
-1803.4	1	<a href="http://www.aifb.uni-karlsruhe.de/Publicationen/viewExternerAutorOWL/id350instance">http://www.aifb.uni-karlsruhe.de/Publicationen/viewExternerAutorOWL/id350instance</a> ?p1 swrs:Pers
-1803.9	1	<a href="http://www.aifb.uni-karlsruhe.de/Publicationen/viewExternerAutorOWL/id262instance">http://www.aifb.uni-karlsruhe.de/Publicationen/viewExternerAutorOWL/id262instance</a> ?p1 swrs:Pers
-1804.0	1	_:ublbL474C18 ?p1 owl:Restriction.
-1804.4	1	<a href="http://www.aifb.uni-karlsruhe.de/Publicationen/viewExternerAutorOWL/id583instance">http://www.aifb.uni-karlsruhe.de/Publicationen/viewExternerAutorOWL/id583instance</a> ?p1 swrs:Pers
-1804.7	1	<a href="http://www.aifb.uni-karlsruhe.de/Publicationen/viewExternerAutorOWL/id810instance">http://www.aifb.uni-karlsruhe.de/Publicationen/viewExternerAutorOWL/id810instance</a> ?p1 swrs:Pers
-1804.7	1	<a href="http://www.aifb.uni-karlsruhe.de/Publicationen/viewExternerAutorOWL/id184instance">http://www.aifb.uni-karlsruhe.de/Publicationen/viewExternerAutorOWL/id184instance</a> ?p1 swrs:Pers
-1805.0	1	<a href="http://www.aifb.uni-karlsruhe.de/Publicationen/viewPublikationOWL/id594instance">http://www.aifb.uni-karlsruhe.de/Publicationen/viewPublikationOWL/id594instance</a> ?p1 swrs:InPro
-1805.4	1	<a href="http://www.aifb.uni-karlsruhe.de/Publicationen/viewPublikationOWL/id275instance">http://www.aifb.uni-karlsruhe.de/Publicationen/viewPublikationOWL/id275instance</a> ?p1 swrs:InPro
-1805.8	1	<a href="http://www.aifb.uni-karlsruhe.de/Publicationen/viewPublikationOWL/id841instance">http://www.aifb.uni-karlsruhe.de/Publicationen/viewPublikationOWL/id841instance</a> ?p1 swrs:InPro
-1806.0	1	<a href="http://www.aifb.uni-karlsruhe.de/Personen/viewPersonOWL/id2008instance">http://www.aifb.uni-karlsruhe.de/Personen/viewPersonOWL/id2008instance</a> ?p1 swrs:Person.
-1806.2	1	<a href="http://www.aifb.uni-karlsruhe.de/Publicationen/viewPublikationOWL/id333instance">http://www.aifb.uni-karlsruhe.de/Publicationen/viewPublikationOWL/id333instance</a> ?p1 swrs:Public
-1806.2	1	<a href="http://www.aifb.uni-karlsruhe.de/Publicationen/viewPublikationOWL/id663instance">http://www.aifb.uni-karlsruhe.de/Publicationen/viewPublikationOWL/id663instance</a> ?p1 swrs:InPro
-1806.2	1	<a href="http://www.aifb.uni-karlsruhe.de/Personen/viewPersonOWL/id2151instance">http://www.aifb.uni-karlsruhe.de/Personen/viewPersonOWL/id2151instance</a> ?p1 swrs:Person.
-1806.4	1	<a href="http://www.aifb.uni-karlsruhe.de/Publicationen/viewPublikationOWL/id542instance">http://www.aifb.uni-karlsruhe.de/Publicationen/viewPublikationOWL/id542instance</a> ?p1 swrs:Public
-1806.4	1	<a href="http://www.aifb.uni-karlsruhe.de/Publicationen/viewPublikationOWL/id773instance">http://www.aifb.uni-karlsruhe.de/Publicationen/viewPublikationOWL/id773instance</a> ?p1 swrs:Public

log factor	frequency	
-1806.5	1	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id214instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id214instance</a> ?p1 swrs:Public
-1806.5	1	<a href="http://www.aifb.uni-karlsruhe.de/Personen/viewPersonOWL/id48instance">http://www.aifb.uni-karlsruhe.de/Personen/viewPersonOWL/id48instance</a> ?p1 swrs:Person.
-1806.7	1	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id954instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id954instance</a> ?p1 swrs:Public
-1806.7	7	<a href="http://www.aifb.uni-karlsruhe.de/Personen/viewPersonOWL/id2115instance">http://www.aifb.uni-karlsruhe.de/Personen/viewPersonOWL/id2115instance</a> swrs:publication ?n1.
-1807.0	1	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id364instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id364instance</a> ?p1 swrs:Pers
-1807.0	1	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id179instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id179instance</a> ?p1 swrs:Pers
-1807.0	1	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id820instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id820instance</a> ?p1 swrs:Pers
-1807.0	1	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id598instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id598instance</a> ?p1 swrs:Pers
-1807.0	1	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id786instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id786instance</a> ?p1 swrs:Pers
-1807.0	1	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id848instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id848instance</a> ?p1 swrs:Pers
-1807.3	1	_:ub1bL560C18 ?p1 swrs:Person.
-1808.5	1	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id165instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id165instance</a> swrs:name ?n1
-1808.9	2	<a href="http://www.aifb.uni-karlsruhe.de/Personen/viewPersonOWL/id2115instance">http://www.aifb.uni-karlsruhe.de/Personen/viewPersonOWL/id2115instance</a> swrs:worksAtProject ?n1.
-1811.1	1	?n1 swrs:name "CKDD - Conceptual Knowledge Discovery"  <a href="http://www.w3.org/2001/XMLSchema-string">http://www.w3.org/2001/XMLSchema-string</a> >.
-1811.9	1	<a href="http://www.aifb.uni-karlsruhe.de/Forschungsgebiete/viewForschungsgebietOWL/id54instance">http://www.aifb.uni-karlsruhe.de/Forschungsgebiete/viewForschungsgebietOWL/id54instance</a> rdf:typ

log factor	frequency	
-1812.1	1	http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id576instance swrs:name ?n1
-1812.1	1	?n1 swrs:name "Sam Chapman" http://www.w3.org/2001/XMLSchema.string>.
-1813.1	1	http://www.aifb.uni-karlsruhe.de/Personen/viewPersonOWL/id68instance swrs:phone ?n1.
-1813.3	9	swrs:Organization ?p2 ?n1.
-1813.8	1	http://www.aifb.uni-karlsruhe.de/Forschungsgebiete/viewForschungsgebietOWL/id79instance swrs:na
-1814.1	1	_:ub1bL474C18 owl:onProperty ?n1.
-1814.8	1	swrs:Organization rdf:type ?n1.
-1815.4	1	http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id18instance rdf:type ?n1.
-1815.4	1	http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id814instance rdf:type ?n1.
-1815.5	1	http://www.aifb.uni-karlsruhe.de/Forschungsgebiete/viewForschungsgebietOWL/id20instance rdf:typ
-1816.0	1	_:ub1bL422C18 rdf:type ?n1.
-1816.0	1	_:ub1bL355C18 rdf:type ?n1.
-1818.5	1	http://www.aifb.uni-karlsruhe.de/Personen/viewPersonOWL/id48instance rdf:type ?n1.
-1818.8	152	?n1 swrs:author http://www.aifb.uni-karlsruhe.de/Personen/viewPersonOWL/id20instance.
-1819.0	1	http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id364instance rdf:type ?n1.
-1819.0	1	http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id179instance rdf:type ?n1.
-1819.0	1	http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id598instance rdf:type ?n1.
-1819.0	1	http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id576instance rdf:type ?n1.

log factor	frequency	
-1819.0	1	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id593instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id593instance</a> rdf:type ?n1.
-1819.0	1	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id439instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id439instance</a> rdf:type ?n1.
-1819.0	1	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id804instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id804instance</a> rdf:type ?n1.
-1819.0	1	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id305instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id305instance</a> rdf:type ?n1.
-1820.7	22	<a href="http://www.aifb.uni-karlsruhe.de/Personen/viewPersonOWL/id48instance">http://www.aifb.uni-karlsruhe.de/Personen/viewPersonOWL/id48instance</a> ?p2 ?n1.
-1821.4	1	swrs:member ?p2 ?n1.
-1821.6	2	<a href="http://www.aifb.uni-karlsruhe.de/Personen/viewPersonOWL/id2151instance">http://www.aifb.uni-karlsruhe.de/Personen/viewPersonOWL/id2151instance</a> rdf:type ?n1.
-1822.2	1	swrs:name ?p2 ?n1.
-1822.2	1	swrs:title ?p2 ?n1.
-1824.5	2	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id19instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id19instance</a> rdf:type ?n1.
-1824.6	2	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id333instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id333instance</a> rdf:type ?n1.
-1824.6	2	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id1089instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id1089instance</a> rdf:type ?n1.
-1825.1	2	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id1116instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id1116instance</a> rdf:type ?n1.
-1825.9	4	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id552instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id552instance</a> swrs:author ?n1.
-1826.2	3	_:ub1bL658C27 ?p2 ?n1.
-1826.2	2	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id617instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id617instance</a> rdf:type ?n1.
-1826.2	2	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id499instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id499instance</a> rdf:type ?n1.



log factor	frequency	
-1826.2	2	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id516instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id516instance</a> rdf:type ?n1.
-1826.5	2	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id542instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id542instance</a> rdf:type ?n1.
-1826.7	2	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id1333instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id1333instance</a> rdf:type ?n1.
-1826.7	2	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id512instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id512instance</a> rdf:type ?n1.
-1826.8	2	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id572instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id572instance</a> rdf:type ?n1.
-1826.8	2	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id281instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id281instance</a> rdf:type ?n1.
-1827.0	2	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id64instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id64instance</a> rdf:type ?n1.
-1827.0	2	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id777instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id777instance</a> rdf:type ?n1.
-1827.5	2	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id1306instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id1306instance</a> rdf:type ?n1.
-1827.7	2	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id214instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id214instance</a> rdf:type ?n1.
-1828.7	2	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id1166instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id1166instance</a> rdf:type ?n1.
-1830.1	1	?n1 ?p2 "CKDD - Conceptual Knowledge Discovery"  <a href="http://www.w3.org/2001/XMLSchema.string">http://www.w3.org/2001/XMLSchema.string</a> >.
-1831.1	1	?n1 ?p2 "Sam Chapman"  <a href="http://www.w3.org/2001/XMLSchema.string">http://www.w3.org/2001/XMLSchema.string</a> >.
-1833.9	11	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id1073instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id1073instance</a> swrs:isAbout ?
-1834.8	3	?n1 ?p2 swrs:Graduate.
-1837.2	3	_:ub1bL58C27 ?p2 ?n1.

log factor	frequency	
-1837.9	3	_:ub1bL474C18 ?p2 ?n1.
-1839.0	3	_:ub1bL102C18 ?p2 ?n1.
-1839.6	8	<a href="http://www.aifb.uni-karlsruhe.de/Personen/viewPersonOWL/id2151instance">http://www.aifb.uni-karlsruhe.de/Personen/viewPersonOWL/id2151instance</a> ?p2 ?n1.
-1839.9	4	<a href="http://www.aifb.uni-karlsruhe.de/Forschungsgebiete/viewForschungsgebietOWL/id54instance">http://www.aifb.uni-karlsruhe.de/Forschungsgebiete/viewForschungsgebietOWL/id54instance</a> ?p2 ?n1.
-1840.0	3	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id144instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id144instance</a> ?p2 ?n1.
-1840.8	3	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id190instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id190instance</a> ?p2 ?n1.
-1841.0	14	<a href="http://www.aifb.uni-karlsruhe.de/Projekte/viewProjektOWL/id51instance">http://www.aifb.uni-karlsruhe.de/Projekte/viewProjektOWL/id51instance</a> swrs:member ?n1. ?n1 rdf:type ?n2.
-1841.0	3	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id179instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id179instance</a> ?p2 ?n1.
-1841.0	3	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id598instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id598instance</a> ?p2 ?n1.
-1841.7	4	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id774instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id774instance</a> ?p2 ?n1.
-1842.8	3	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id576instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id576instance</a> ?p2 ?n1.
-1842.8	3	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id607instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id607instance</a> ?p2 ?n1.
-1843.9	6	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id530instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id530instance</a> ?p2 ?n1.
-1844.5	3	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id804instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id804instance</a> ?p2 ?n1.
-1850.2	4	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id165instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id165instance</a> ?p2 ?n1.
-1850.6	12	<a href="http://www.aifb.uni-karlsruhe.de/Personen/viewPersonOWL/id2067instance">http://www.aifb.uni-karlsruhe.de/Personen/viewPersonOWL/id2067instance</a> ?p2 ?n1.
-1860.0	1907	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id281instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id281instance</a> rdf:type ?n2. ?n1 rdf:type ?n2.
-1869.8	17	<a href="http://www.aifb.uni-karlsruhe.de/Personen/viewPersonOWL/id2115instance">http://www.aifb.uni-karlsruhe.de/Personen/viewPersonOWL/id2115instance</a> ?p2 ?n1.
-1877.4	10	?n1 ?p2 <a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id1202instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id1202instance</a> .
-1882.2	9	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id275instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id275instance</a> ?p2 ?n1.
-1883.4	18	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id1272instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id1272instance</a> ?p2 ?n1.
-1883.7	13	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id333instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id333instance</a> ?p2 ?n1.
-1887.6	1130	<a href="http://www.aifb.uni-karlsruhe.de/Personen/viewPersonOWL/id2151instance">http://www.aifb.uni-karlsruhe.de/Personen/viewPersonOWL/id2151instance</a> rdf:type ?n2. ?n1 ?p3 ?n2.

log factor	frequency	
-1888.2	12	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id228instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id228instance</a> ?p2 ?n1.
-1895.2	11	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id572instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id572instance</a> ?p2 ?n1.
-1903.8	16	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id1305instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id1305instance</a> ?p2 ?n1.
-1904.3	16	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id1317instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id1317instance</a> ?p2 ?n1.
-1908.7	13	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id1152instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id1152instance</a> ?p2 ?n1.
-1930.3	20	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id1124instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id1124instance</a> ?p2 ?n1.
-1931.5	2184	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id281instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id281instance</a> ?p3 ?n2. ?n1 ?p3 ?n2.
-1937.4	20	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id882instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id882instance</a> ?p2 ?n1.
-1942.5	25	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id1116instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id1116instance</a> ?p2 ?n1.
-1942.7	20	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id1025instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id1025instance</a> ?p2 ?n1.
-2254.8	24274	?n1 rdf:type ?n3. ?n2 rdf:type ?n3.
-4014.6	494	?n1 swrs:name ?n2.

### AIFB, top 100 by frequency

log factor	frequency	
-2254.8	24274	?n1 rdf:type ?n3. ?n2 rdf:type ?n3.
3857.8	4124	?n1 rdf:type ?n2.
-907.8	3388	?n1 ?p3 ?n2.
8919.0	2477	?n1 swrs:isAbout ?n2.
-1931.5	2184	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id281instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id281instance</a> ?p3 ?n2. ?n1 ?p3 ?n2.
-1860.0	1907	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id281instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id281instance</a> rdf:type ?n2. ?n1 rdf:type ?n2.

log factor	frequency	
-893.7	1529	?n1 swrs:author ?n2.
-141.5	1240	?n1 ?p2 swrs:Publication.
-167.7	1222	?n1 rdf:type swrs:Publication.
-1887.6	1130	http://www.aifb.uni-karlsruhe.de/Personen/viewPersonOWL/id2151instance rdf:type ?n2. ?n1 ?p3 ?n2.
923.9	1066	?n1 ?p2 swrs:Person.
827.3	1045	?n1 rdf:type swrs:Person.
-975.2	687	?n1 ?p2 swrs:InProceedings.
-939.9	687	?n1 rdf:type swrs:InProceedings.
-4014.6	494	?n1 swrs:name ?n2.
-1802.2	227	?n1 swrs:phone ?n2.
-1613.5	152	?n1 ?p2 owl:Restriction.
-1582.5	152	?n1 rdf:type owl:Restriction.
-1609.0	152	?n1 owl:onProperty ?n2.
-1818.8	152	?n1 swrs:author http://www.aifb.uni-karlsruhe.de/Personen/viewPersonOWL/id20instance.
-1583.0	147	?n1 ?p2 swrs:ResearchTopic.
-1536.6	146	?n1 rdf:type swrs:ResearchTopic.
-1775.0	87	?n1 ?p2 swrs:Project.
-1767.8	78	?n1 rdf:type swrs:Project.
-1745.2	65	?n1 rdf:type swrs:PhDStudent.
-1668.8	55	?n1 rdf:type owl:Class.
-1696.9	55	?n1 ?p2 owl:Class.
-1775.1	40	?n1 ?p2 http://www.aifb.uni-karlsruhe.de/Forschungsgebiete/viewForschungsgebietOWL/id52instance
-1747.9	40	?n1 swrs:isAbout http://www.aifb.uni-karlsruhe.de/Forschungsgebiete/viewForschungsgebietOWL/id5
-1495.3	31	?n1 ?p2 owl:DatatypeProperty.
-1942.5	25	http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id1116instance ?p2 ?n1.

log factor	frequency	
-1820.7	22	<a href="http://www.aifb.uni-karlsruhe.de/Personen/viewPersonOWL/id48instance">http://www.aifb.uni-karlsruhe.de/Personen/viewPersonOWL/id48instance</a> ?p2 ?n1.
-1937.4	20	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id882instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id882instance</a> ?p2 ?n1.
-1942.7	20	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id1025instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id1025instance</a> ?p2 ?n1.
-1930.3	20	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id1124instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id1124instance</a> ?p2 ?n1.
-1883.4	18	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id1272instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id1272instance</a> ?p2 ?n1.
-1869.8	17	<a href="http://www.aifb.uni-karlsruhe.de/Personen/viewPersonOWL/id2115instance">http://www.aifb.uni-karlsruhe.de/Personen/viewPersonOWL/id2115instance</a> ?p2 ?n1.
-1903.8	16	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id1305instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id1305instance</a> ?p2 ?n1.
-1904.3	16	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id1317instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id1317instance</a> ?p2 ?n1.
-1801.0	14	swrs:InBook ?p2 ?n1.
-1841.0	14	<a href="http://www.aifb.uni-karlsruhe.de/Projekte/viewProjektOWL/id51instance">http://www.aifb.uni-karlsruhe.de/Projekte/viewProjektOWL/id51instance</a> swrs:member ?n1. ?n1 rdf:type ?n2.
-1769.7	13	swrs:InBook rdfs:subClassOf ?n1.
-1908.7	13	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id1152instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id1152instance</a> ?p2 ?n1.
-1883.7	13	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id333instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id333instance</a> ?p2 ?n1.
-1888.2	12	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id228instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id228instance</a> ?p2 ?n1.
-1850.6	12	<a href="http://www.aifb.uni-karlsruhe.de/Personen/viewPersonOWL/id2067instance">http://www.aifb.uni-karlsruhe.de/Personen/viewPersonOWL/id2067instance</a> ?p2 ?n1.
-1833.9	11	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id1073instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id1073instance</a> swrs:isAbout ?
-1895.2	11	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id572instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id572instance</a> ?p2 ?n1.
-1877.4	10	?n1 ?p2 <a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id1202instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id1202instance</a> .
-1882.2	9	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id275instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id275instance</a> ?p2 ?n1.
-1813.3	9	swrs:Organization ?p2 ?n1.
-1839.6	8	<a href="http://www.aifb.uni-karlsruhe.de/Personen/viewPersonOWL/id2151instance">http://www.aifb.uni-karlsruhe.de/Personen/viewPersonOWL/id2151instance</a> ?p2 ?n1.
-1806.7	7	<a href="http://www.aifb.uni-karlsruhe.de/Personen/viewPersonOWL/id2115instance">http://www.aifb.uni-karlsruhe.de/Personen/viewPersonOWL/id2115instance</a> swrs:publication ?n1.
-1843.9	6	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id530instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id530instance</a> ?p2 ?n1.
-1839.9	4	<a href="http://www.aifb.uni-karlsruhe.de/Forschungsgebiete/viewForschungsgebietOWL/id54instance">http://www.aifb.uni-karlsruhe.de/Forschungsgebiete/viewForschungsgebietOWL/id54instance</a> ?p2 ?n1.

log factor	frequency	
-1850.2	4	<a href="http://www.aifb.uni-karlsruhe.de/Publicationen/viewExternerAutorOWL/id165instance">http://www.aifb.uni-karlsruhe.de/Publicationen/viewExternerAutorOWL/id165instance</a> ?p2 ?n1.
-1825.9	4	<a href="http://www.aifb.uni-karlsruhe.de/Publicationen/viewPublikationOWL/id552instance">http://www.aifb.uni-karlsruhe.de/Publicationen/viewPublikationOWL/id552instance</a> swrs:author ?n1.
-1841.7	4	<a href="http://www.aifb.uni-karlsruhe.de/Publicationen/viewExternerAutorOWL/id774instance">http://www.aifb.uni-karlsruhe.de/Publicationen/viewExternerAutorOWL/id774instance</a> ?p2 ?n1.
-1837.9	3	_:ubl1bL474C18 ?p2 ?n1.
-1837.2	3	_:ubl1bL58C27 ?p2 ?n1.
-1840.8	3	<a href="http://www.aifb.uni-karlsruhe.de/Publicationen/viewExternerAutorOWL/id190instance">http://www.aifb.uni-karlsruhe.de/Publicationen/viewExternerAutorOWL/id190instance</a> ?p2 ?n1.
-1841.0	3	<a href="http://www.aifb.uni-karlsruhe.de/Publicationen/viewExternerAutorOWL/id179instance">http://www.aifb.uni-karlsruhe.de/Publicationen/viewExternerAutorOWL/id179instance</a> ?p2 ?n1.
-1834.8	3	?n1 ?p2 swrs:Graduate.
-1841.0	3	<a href="http://www.aifb.uni-karlsruhe.de/Publicationen/viewExternerAutorOWL/id598instance">http://www.aifb.uni-karlsruhe.de/Publicationen/viewExternerAutorOWL/id598instance</a> ?p2 ?n1.
-1842.8	3	<a href="http://www.aifb.uni-karlsruhe.de/Publicationen/viewExternerAutorOWL/id576instance">http://www.aifb.uni-karlsruhe.de/Publicationen/viewExternerAutorOWL/id576instance</a> ?p2 ?n1.
-1839.0	3	_:ubl1bL102C18 ?p2 ?n1.
-1844.5	3	<a href="http://www.aifb.uni-karlsruhe.de/Publicationen/viewExternerAutorOWL/id804instance">http://www.aifb.uni-karlsruhe.de/Publicationen/viewExternerAutorOWL/id804instance</a> ?p2 ?n1.
-1826.2	3	_:ubl1bL658C27 ?p2 ?n1.
-1840.0	3	<a href="http://www.aifb.uni-karlsruhe.de/Publicationen/viewExternerAutorOWL/id144instance">http://www.aifb.uni-karlsruhe.de/Publicationen/viewExternerAutorOWL/id144instance</a> ?p2 ?n1.
-1842.8	3	<a href="http://www.aifb.uni-karlsruhe.de/Publicationen/viewExternerAutorOWL/id607instance">http://www.aifb.uni-karlsruhe.de/Publicationen/viewExternerAutorOWL/id607instance</a> ?p2 ?n1.
-1808.9	2	<a href="http://www.aifb.uni-karlsruhe.de/Personen/viewPersonOWL/id2115instance">http://www.aifb.uni-karlsruhe.de/Personen/viewPersonOWL/id2115instance</a> swrs:worksAtProject ?n1.
-1821.6	2	<a href="http://www.aifb.uni-karlsruhe.de/Personen/viewPersonOWL/id2151instance">http://www.aifb.uni-karlsruhe.de/Personen/viewPersonOWL/id2151instance</a> rdf:type ?n1.
-1825.1	2	<a href="http://www.aifb.uni-karlsruhe.de/Publicationen/viewPublikationOWL/id1116instance">http://www.aifb.uni-karlsruhe.de/Publicationen/viewPublikationOWL/id1116instance</a> rdf:type ?n1.
-1826.2	2	<a href="http://www.aifb.uni-karlsruhe.de/Publicationen/viewPublikationOWL/id617instance">http://www.aifb.uni-karlsruhe.de/Publicationen/viewPublikationOWL/id617instance</a> rdf:type ?n1.
-1827.5	2	<a href="http://www.aifb.uni-karlsruhe.de/Publicationen/viewPublikationOWL/id1306instance">http://www.aifb.uni-karlsruhe.de/Publicationen/viewPublikationOWL/id1306instance</a> rdf:type ?n1.
-1826.7	2	<a href="http://www.aifb.uni-karlsruhe.de/Publicationen/viewPublikationOWL/id512instance">http://www.aifb.uni-karlsruhe.de/Publicationen/viewPublikationOWL/id512instance</a> rdf:type ?n1.

log factor	frequency	
-1826.8	2	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id572instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id572instance</a> rdf:type ?n1.
-1824.6	2	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id333instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id333instance</a> rdf:type ?n1.
-1827.0	2	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id64instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id64instance</a> rdf:type ?n1.
-1827.7	2	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id214instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id214instance</a> rdf:type ?n1.
-1826.2	2	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id499instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id499instance</a> rdf:type ?n1.
-1827.0	2	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id777instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id777instance</a> rdf:type ?n1.
-1826.7	2	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id1333instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id1333instance</a> rdf:type ?n1.
-1824.6	2	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id1089instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id1089instance</a> rdf:type ?n1.
-1826.2	2	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id516instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id516instance</a> rdf:type ?n1.
-1824.5	2	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id19instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id19instance</a> rdf:type ?n1.
-1826.5	2	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id542instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id542instance</a> rdf:type ?n1.
-1828.7	2	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id1166instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id1166instance</a> rdf:type ?n1.
-1826.8	2	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id281instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id281instance</a> rdf:type ?n1.
-1798.8	1	<a href="http://www.aifb.uni-karlsruhe.de/Personen/viewPersonOWL/id2115instance">http://www.aifb.uni-karlsruhe.de/Personen/viewPersonOWL/id2115instance</a> ?p1 <a href="http://www.aifb.uni-karlsruhe.de/Personen/viewPersonOWL/id2115instance">http://www.aifb.uni-karlsruhe.de/Personen/viewPersonOWL/id2115instance</a>

log factor	frequency	
-1779.7	1	<a href="http://www.aifb.uni-karlsruhe.de/Personen/viewPersonOWL/id2115instance">http://www.aifb.uni-karlsruhe.de/Personen/viewPersonOWL/id2115instance</a> swrs:publication <a href="http://www.aifb.uni-karlsruhe.de/Personen/viewPersonOWL/id2115instance">http://www.aifb.uni-karlsruhe.de/Personen/viewPersonOWL/id2115instance</a>
-1804.0	1	_:ubl1bL474C18 ?p1 owl:Restriction.
-1814.1	1	_:ubl1bL474C18 owl:onProperty ?n1.
-1816.0	1	_:ubl1bL422C18 rdf:type ?n1.
-1802.1	1	<a href="http://www.aifb.uni-karlsruhe.de/Forschungsgebiete/viewForschungsgebietOWL/id28instance">http://www.aifb.uni-karlsruhe.de/Forschungsgebiete/viewForschungsgebietOWL/id28instance</a> ?p1 swrs:publication
-1780.9	1	<a href="http://www.aifb.uni-karlsruhe.de/Forschungsgebiete/viewForschungsgebietOWL/id54instance">http://www.aifb.uni-karlsruhe.de/Forschungsgebiete/viewForschungsgebietOWL/id54instance</a> rdf:type swrs:Publication
-1811.9	1	<a href="http://www.aifb.uni-karlsruhe.de/Forschungsgebiete/viewForschungsgebietOWL/id54instance">http://www.aifb.uni-karlsruhe.de/Forschungsgebiete/viewForschungsgebietOWL/id54instance</a> rdf:type swrs:Publication
-1799.9	1	<a href="http://www.aifb.uni-karlsruhe.de/Forschungsgebiete/viewForschungsgebietOWL/id54instance">http://www.aifb.uni-karlsruhe.de/Forschungsgebiete/viewForschungsgebietOWL/id54instance</a> ?p1 swrs:publication
-1804.4	1	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id583instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id583instance</a> ?p1 swrs:Person
-1785.4	1	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id583instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id583instance</a> rdf:type swrs:Person
-1787.2	1	<a href="http://www.aifb.uni-karlsruhe.de/Personen/viewPersonOWL/id2151instance">http://www.aifb.uni-karlsruhe.de/Personen/viewPersonOWL/id2151instance</a> rdf:type swrs:Person.
-1806.2	1	<a href="http://www.aifb.uni-karlsruhe.de/Personen/viewPersonOWL/id2151instance">http://www.aifb.uni-karlsruhe.de/Personen/viewPersonOWL/id2151instance</a> ?p1 swrs:Person.
-1796.6	1	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id1116instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id1116instance</a> ?p1 <a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id1116instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id1116instance</a>
-1777.4	1	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id1073instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id1073instance</a> swrs:isAbout <a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id1073instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id1073instance</a>
-1796.4	1	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id1073instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id1073instance</a> ?p1 <a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id1073instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id1073instance</a>
-1822.2	1	swrs:name ?p2 ?n1.



log factor	frequency	
-1787.2	1	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id663instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id663instance</a> rdf:type swrs:InProce
-1806.2	1	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id663instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id663instance</a> ?p1 swrs:InProce
-1788.0	1	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id709instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id709instance</a> rdf:type swrs:InProce
-1784.3	1	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id655instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id655instance</a> rdf:type swrs:InProce
-1803.4	1	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id655instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id655instance</a> ?p1 swrs:Pers
-1807.0	1	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id848instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id848instance</a> ?p1 swrs:Pers
-1816.0	1	_:ubl1bL355C18 rdf:type ?n1.
-1807.0	1	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id364instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id364instance</a> ?p1 swrs:Pers
-1788.0	1	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id364instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id364instance</a> rdf:type swrs:InProce
-1819.0	1	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id364instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id364instance</a> rdf:type ?n1.
-1804.7	1	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id810instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id810instance</a> ?p1 swrs:Pers
-1807.0	1	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id179instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id179instance</a> ?p1 swrs:Pers
-1788.0	1	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id179instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id179instance</a> rdf:type swrs:InProce
-1819.0	1	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id179instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id179instance</a> rdf:type ?n1.

log factor	frequency	
-1805.0	1	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id594instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id594instance</a> ?p1 swrs:InProc
-1785.9	1	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id594instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id594instance</a> rdf:type swrs:I
-1807.0	1	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id820instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id820instance</a> ?p1 swrs:Pers
-1807.3	1	_:ub1bL560C18 ?p1 swrs:Person.
-1804.7	1	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id184instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id184instance</a> ?p1 swrs:Pers
-1786.8	1	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id841instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id841instance</a> rdf:type swrs:I
-1805.8	1	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id841instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id841instance</a> ?p1 swrs:InProc
-1786.6	1	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id684instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id684instance</a> rdf:type swrs:I
-1784.2	1	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id333instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id333instance</a> rdf:type swrs:A
-1787.1	1	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id333instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id333instance</a> rdf:type swrs:E
-1806.2	1	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id333instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id333instance</a> ?p1 swrs:Public
-1806.7	1	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id954instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id954instance</a> ?p1 swrs:Public
-1806.4	1	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id773instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id773instance</a> ?p1 swrs:Public
-1815.5	1	<a href="http://www.aifb.uni-karlsruhe.de/Forschungsgebiete/viewForschungsgebietOWL/id20instance">http://www.aifb.uni-karlsruhe.de/Forschungsgebiete/viewForschungsgebietOWL/id20instance</a> rdf:typ

log factor	frequency	
-1803.4	1	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id350instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id350instance</a> ?p1 swrs:Pers
-1803.9	1	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id262instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id262instance</a> ?p1 swrs:Pers
-1784.9	1	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id262instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id262instance</a> rdf:type swrs:
-1807.0	1	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id598instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id598instance</a> ?p1 swrs:Pers
-1819.0	1	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id598instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id598instance</a> rdf:type ?n1.
-1788.0	1	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id598instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id598instance</a> rdf:type swrs:
-1813.1	1	<a href="http://www.aifb.uni-karlsruhe.de/Personen/viewPersonOWL/id68instance">http://www.aifb.uni-karlsruhe.de/Personen/viewPersonOWL/id68instance</a> swrs:phone ?n1.
-1819.0	1	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id305instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id305instance</a> rdf:type ?n1.
-1822.2	1	swrs:title ?p2 ?n1.
-1791.2	1	swrs:title ?p1 owl:DatatypeProperty.
-1819.0	1	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id576instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id576instance</a> rdf:type ?n1.
-1800.6	1	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id576instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id576instance</a> ?p1 <a href="http://www.w3.org/2001/XMLSchema#string">http://www.w3.org/2001/XMLSchema#string</a>
-1812.1	1	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id576instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id576instance</a> swrs:name ?n1.
-1781.1	1	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id576instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id576instance</a> swrs:name "Sa
-1800.1	1	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id576instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id576instance</a> ?p1 "Sam Chap
-1831.1	1	?n1 ?p2 "Sam Chapman"  <a href="http://www.w3.org/2001/XMLSchema#string">http://www.w3.org/2001/XMLSchema#string</a> >.

log factor	frequency	
-1812.1	1	?n1 swrs:name "Sam Chapman" http://www.w3.org/2001/XMLSchema.string>.
-1813.8	1	http://www.aifb.uni-karlsruhe.de/Forschungsgebiete/viewForschungsgebietOWL/id79instance swrs:name
-1811.1	1	?n1 swrs:name "CKDD - Conceptual Knowledge Discovery" http://www.w3.org/2001/XMLSchema.string>.
-1830.1	1	?n1 ?p2 "CKDD - Conceptual Knowledge Discovery" http://www.w3.org/2001/XMLSchema.string>.
-1808.5	1	http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id165instance swrs:name ?n1
-1785.0	1	_:ub1bL199C18 rdf:type owl:Restriction.
-1815.4	1	http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id18instance rdf:type ?n1.
-1787.5	1	http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id214instance rdf:type swrs:Public
⌘ -1806.5	1	http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id214instance ?p1 swrs:Public
-1819.0	1	http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id593instance rdf:type ?n1.
-1786.6	1	http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id499instance rdf:type swrs:Public
-1805.4	1	http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id275instance ?p1 swrs:InProce
-1821.4	1	swrs:member ?p2 ?n1.
-1787.5	1	http://www.aifb.uni-karlsruhe.de/Personen/viewPersonOWL/id2118instance rdf:type swrs:Person.
-1814.8	1	swrs:Organization rdf:type ?n1.
-1815.4	1	http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id814instance rdf:type ?n1.

log factor	frequency	
-1819.0	1	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id439instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id439instance</a> rdf:type ?n1.
-1785.4	1	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id637instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id637instance</a> rdf:type swrs:
-1788.0	1	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id703instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id703instance</a> rdf:type swrs:
-1787.0	1	<a href="http://www.aifb.uni-karlsruhe.de/Personen/viewPersonOWL/id2008instance">http://www.aifb.uni-karlsruhe.de/Personen/viewPersonOWL/id2008instance</a> rdf:type swrs:Person.
-1806.0	1	<a href="http://www.aifb.uni-karlsruhe.de/Personen/viewPersonOWL/id2008instance">http://www.aifb.uni-karlsruhe.de/Personen/viewPersonOWL/id2008instance</a> ?p1 swrs:Person.
-1819.0	1	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id804instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id804instance</a> rdf:type ?n1.
-1803.3	1	swrs:Proceedings ?p1 owl:Class.
-1807.0	1	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id786instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewExternerAutorOWL/id786instance</a> ?p1 swrs:Pers
-1806.5	1	<a href="http://www.aifb.uni-karlsruhe.de/Personen/viewPersonOWL/id48instance">http://www.aifb.uni-karlsruhe.de/Personen/viewPersonOWL/id48instance</a> ?p1 swrs:Person.
-1787.5	1	<a href="http://www.aifb.uni-karlsruhe.de/Personen/viewPersonOWL/id48instance">http://www.aifb.uni-karlsruhe.de/Personen/viewPersonOWL/id48instance</a> rdf:type swrs:Person.
-1818.5	1	<a href="http://www.aifb.uni-karlsruhe.de/Personen/viewPersonOWL/id48instance">http://www.aifb.uni-karlsruhe.de/Personen/viewPersonOWL/id48instance</a> rdf:type ?n1.
-1787.3	1	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id542instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id542instance</a> rdf:type swrs:P
-1806.4	1	<a href="http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id542instance">http://www.aifb.uni-karlsruhe.de/Publikationen/viewPublikationOWL/id542instance</a> ?p1 swrs:Public

### Mutag, top 100 by log factor

log factor	frequency	
11178.4	5996	?n1 <a href="http://dl-learner.org/carcinogenesis.hasAtom">http://dl-learner.org/carcinogenesis.hasAtom</a> ?n2.
1014.6	1840	?n1 rdf:type <a href="http://dl-learner.org/carcinogenesis.Bond-7">http://dl-learner.org/carcinogenesis.Bond-7</a> .

log factor	frequency	
938.0	1850	?n1 ?p2 <a href="http://dl-learner.org/carcinogenesis.Bond-7">http://dl-learner.org/carcinogenesis.Bond-7</a> .
577.6	1897	?n1 rdf:type ?n2.
-1250.9	138	?n1 rdfs:subClassOf ?n2.
-1422.9	320	?n1 ?p2 <a href="http://dl-learner.org/carcinogenesis.Ar_halide">http://dl-learner.org/carcinogenesis.Ar_halide</a> .
-1593.5	319	?n1 <a href="http://dl-learner.org/carcinogenesis.charge">http://dl-learner.org/carcinogenesis.charge</a> ?n2.
-1689.4	181	?n1 rdf:type <a href="http://dl-learner.org/carcinogenesis.Amine">http://dl-learner.org/carcinogenesis.Amine</a> .
-1707.3	173	?n1 rdf:type <a href="http://dl-learner.org/carcinogenesis.Alkyl_halide">http://dl-learner.org/carcinogenesis.Alkyl_halide</a> .
-1719.3	181	?n1 ?p2 <a href="http://dl-learner.org/carcinogenesis.Amine">http://dl-learner.org/carcinogenesis.Amine</a> .
-1737.1	173	?n1 ?p2 <a href="http://dl-learner.org/carcinogenesis.Alkyl_halide">http://dl-learner.org/carcinogenesis.Alkyl_halide</a> .
-1830.8	110	?n1 rdf:type <a href="http://dl-learner.org/carcinogenesis.Alcohol">http://dl-learner.org/carcinogenesis.Alcohol</a> .
-1859.3	110	?n1 ?p2 <a href="http://dl-learner.org/carcinogenesis.Alcohol">http://dl-learner.org/carcinogenesis.Alcohol</a> .
-1865.4	142	?n1 rdf:type owl:Class.
-1879.4	22	?n1 ?p2 <a href="http://dl-learner.org/carcinogenesis.Structure">http://dl-learner.org/carcinogenesis.Structure</a> .
-1886.3	19	?n1 rdfs:subClassOf <a href="http://dl-learner.org/carcinogenesis.Structure">http://dl-learner.org/carcinogenesis.Structure</a> .
-1894.6	142	?n1 ?p2 owl:Class.
-1911.7	67	?n1 rdf:type <a href="http://dl-learner.org/carcinogenesis.Amino">http://dl-learner.org/carcinogenesis.Amino</a> .
-1928.9	50	<a href="http://dl-learner.org/carcinogenesis.d270">http://dl-learner.org/carcinogenesis.d270</a> <a href="http://dl-learner.org/carcinogenesis.hasAtom">http://dl-learner.org/carcinogenesis.hasAtom</a> ?n1.
-1938.7	67	?n1 ?p2 <a href="http://dl-learner.org/carcinogenesis.Amino">http://dl-learner.org/carcinogenesis.Amino</a> .
-1981.2	36	<a href="http://dl-learner.org/carcinogenesis.d219">http://dl-learner.org/carcinogenesis.d219</a> <a href="http://dl-learner.org/carcinogenesis.hasAtom">http://dl-learner.org/carcinogenesis.hasAtom</a> ?n1.
-1988.7	16	<a href="http://dl-learner.org/carcinogenesis.d84">http://dl-learner.org/carcinogenesis.d84</a> <a href="http://dl-learner.org/carcinogenesis.hasStructure">http://dl-learner.org/carcinogenesis.hasStructure</a> ?n1. ?n1 ?p2 <a href="http://dl-learner.org/carcinogenesis.Alkyl_halide">http://dl-learner.org/carcinogenesis.Alkyl_halide</a> .
-1996.1	1	<a href="http://dl-learner.org/carcinogenesis.d270_13">http://dl-learner.org/carcinogenesis.d270_13</a> rdf:type <a href="http://dl-learner.org/carcinogenesis.Phosph">http://dl-learner.org/carcinogenesis.Phosph</a> <a href="http://dl-learner.org/carcinogenesis.bond5500">http://dl-learner.org/carcinogenesis.bond5500</a> <a href="http://dl-learner.org/carcinogenesis.inBond">http://dl-learner.org/carcinogenesis.inBond</a> <a href="http://dl-learner.org/carcinogenesis.hasAtom">http://dl-learner.org/carcinogenesis.hasAtom</a> ?n1.
-2000.2	1	<a href="http://dl-learner.org/carcinogenesis.Ester">http://dl-learner.org/carcinogenesis.Ester</a> rdfs:subClassOf <a href="http://dl-learner.org/carcinogenesis.Structure">http://dl-learner.org/carcinogenesis.Structure</a> .



log factor	frequency	
-2009.1	1	<a href="http://dl-learner.org/carcinogenesis_alcohol-1585">http://dl-learner.org/carcinogenesis_alcohol-1585</a> rdf:type <a href="http://dl-learner.org/carcinogenesis">http://dl-learner.org/carcinogenesis</a>
-2009.1	1	<a href="http://dl-learner.org/carcinogenesis_alcohol-2172">http://dl-learner.org/carcinogenesis_alcohol-2172</a> rdf:type <a href="http://dl-learner.org/carcinogenesis">http://dl-learner.org/carcinogenesis</a>
-2009.1	1	<a href="http://dl-learner.org/carcinogenesis_alcohol-2134">http://dl-learner.org/carcinogenesis_alcohol-2134</a> rdf:type <a href="http://dl-learner.org/carcinogenesis">http://dl-learner.org/carcinogenesis</a>
-2009.1	1	<a href="http://dl-learner.org/carcinogenesis_bond99">http://dl-learner.org/carcinogenesis_bond99</a> <a href="http://dl-learner.org/carcinogenesis_inBond">http://dl-learner.org/carcinogenesis_inBond</a> <a href="http://dl-learner.org/carcinogenesis_dl02">http://dl-learner.org/carcinogenesis_dl02</a> <a href="http://dl-learner.org/carcinogenesis_hasAtom">http://dl-learner.org/carcinogenesis_hasAtom</a> <a href="http://dl-learner.org/carcinogenesis">http://dl-learner.org/carcinogenesis</a>
-2009.4	1	<a href="http://dl-learner.org/carcinogenesis_amine-2182">http://dl-learner.org/carcinogenesis_amine-2182</a> rdf:type <a href="http://dl-learner.org/carcinogenesis_Amine">http://dl-learner.org/carcinogenesis_Amine</a>
-2010.4	1	<a href="http://dl-learner.org/carcinogenesis_Molybdenum">http://dl-learner.org/carcinogenesis_Molybdenum</a> rdf:type owl:Class.
-2010.4	1	<a href="http://dl-learner.org/carcinogenesis_Carbon-22">http://dl-learner.org/carcinogenesis_Carbon-22</a> rdf:type owl:Class.
-2011.7	1	<a href="http://dl-learner.org/carcinogenesis_bond32">http://dl-learner.org/carcinogenesis_bond32</a> rdf:type <a href="http://dl-learner.org/carcinogenesis_Bond-7">http://dl-learner.org/carcinogenesis_Bond-7</a> <a href="http://dl-learner.org/carcinogenesis_bond32">http://dl-learner.org/carcinogenesis_bond32</a> <a href="http://dl-learner.org/carcinogenesis_inBond">http://dl-learner.org/carcinogenesis_inBond</a> <a href="http://dl-learner.org/carcinogenesis">http://dl-learner.org/carcinogenesis</a>
-2012.2	1	<a href="http://dl-learner.org/carcinogenesis_dl02">http://dl-learner.org/carcinogenesis_dl02</a> <a href="http://dl-learner.org/carcinogenesis_hasAtom">http://dl-learner.org/carcinogenesis_hasAtom</a> <a href="http://dl-learner.org/carcinogenesis">http://dl-learner.org/carcinogenesis</a>
-2013.0	1	<a href="http://dl-learner.org/carcinogenesis_bond485">http://dl-learner.org/carcinogenesis_bond485</a> rdf:type <a href="http://dl-learner.org/carcinogenesis_Bond-7">http://dl-learner.org/carcinogenesis_Bond-7</a>
-2013.0	1	<a href="http://dl-learner.org/carcinogenesis_bond1962">http://dl-learner.org/carcinogenesis_bond1962</a> rdf:type <a href="http://dl-learner.org/carcinogenesis_Bond-7">http://dl-learner.org/carcinogenesis_Bond-7</a>
-2013.0	1	<a href="http://dl-learner.org/carcinogenesis_bond3442">http://dl-learner.org/carcinogenesis_bond3442</a> rdf:type <a href="http://dl-learner.org/carcinogenesis_Bond-7">http://dl-learner.org/carcinogenesis_Bond-7</a>
-2013.0	1	<a href="http://dl-learner.org/carcinogenesis_bond2380">http://dl-learner.org/carcinogenesis_bond2380</a> rdf:type <a href="http://dl-learner.org/carcinogenesis_Bond-7">http://dl-learner.org/carcinogenesis_Bond-7</a>
-2013.0	1	<a href="http://dl-learner.org/carcinogenesis_bond32">http://dl-learner.org/carcinogenesis_bond32</a> rdf:type <a href="http://dl-learner.org/carcinogenesis_Bond-7">http://dl-learner.org/carcinogenesis_Bond-7</a>



log factor	frequency	
-2013.0	1	<a href="http://dl-learner.org/carcinogenesis.bond16">http://dl-learner.org/carcinogenesis.bond16</a> rdf:type <a href="http://dl-learner.org/carcinogenesis.Bond-">http://dl-learner.org/carcinogenesis.Bond-</a>
-2014.7	1	<a href="http://dl-learner.org/carcinogenesis.bond9012">http://dl-learner.org/carcinogenesis.bond9012</a> rdf:type <a href="http://dl-learner.org/carcinogenesis.Bond-">http://dl-learner.org/carcinogenesis.Bond-</a>
-2017.6	1	<a href="http://dl-learner.org/carcinogenesis.Ester">http://dl-learner.org/carcinogenesis.Ester</a> ?p1 <a href="http://dl-learner.org/carcinogenesis.Structure">http://dl-learner.org/carcinogenesis.Structure</a> .
-2018.3	1	<a href="http://dl-learner.org/carcinogenesis.d270_13">http://dl-learner.org/carcinogenesis.d270_13</a> ?p1 <a href="http://dl-learner.org/carcinogenesis.Phosphorus">http://dl-learner.org/carcinogenesis.Phosphorus</a>
-2018.8	1	<a href="http://dl-learner.org/carcinogenesis.bond1012">http://dl-learner.org/carcinogenesis.bond1012</a> ?p1 <a href="http://dl-learner.org/carcinogenesis_d135_23">http://dl-learner.org/carcinogenesis_d135_23</a> .
-2019.5	25	<a href="http://dl-learner.org/carcinogenesis.d216">http://dl-learner.org/carcinogenesis.d216</a> <a href="http://dl-learner.org/carcinogenesis_hasAtom">http://dl-learner.org/carcinogenesis_hasAtom</a> ?n1.
-2020.5	1	<a href="http://dl-learner.org/carcinogenesis.bond412">http://dl-learner.org/carcinogenesis.bond412</a> ?p1 <a href="http://dl-learner.org/carcinogenesis_d112_4">http://dl-learner.org/carcinogenesis_d112_4</a> .
-2020.5	1	<a href="http://dl-learner.org/carcinogenesis.bond95">http://dl-learner.org/carcinogenesis.bond95</a> ?p1 <a href="http://dl-learner.org/carcinogenesis_d102_2">http://dl-learner.org/carcinogenesis_d102_2</a> .
-2020.5	1	<a href="http://dl-learner.org/carcinogenesis.bond99">http://dl-learner.org/carcinogenesis.bond99</a> ?p1 <a href="http://dl-learner.org/carcinogenesis_d102_2">http://dl-learner.org/carcinogenesis_d102_2</a> .
-2020.5	1	<a href="http://dl-learner.org/carcinogenesis.bond101">http://dl-learner.org/carcinogenesis.bond101</a> ?p1 <a href="http://dl-learner.org/carcinogenesis_d102_2">http://dl-learner.org/carcinogenesis_d102_2</a> .
-2020.8	1	<a href="http://dl-learner.org/carcinogenesis.amino-3218">http://dl-learner.org/carcinogenesis.amino-3218</a> ?p1 <a href="http://dl-learner.org/carcinogenesis.Amino">http://dl-learner.org/carcinogenesis.Amino</a> .
-2020.8	1	<a href="http://dl-learner.org/carcinogenesis.amino-3151">http://dl-learner.org/carcinogenesis.amino-3151</a> ?p1 <a href="http://dl-learner.org/carcinogenesis.Amino">http://dl-learner.org/carcinogenesis.Amino</a> .
-2020.9	1	<a href="http://dl-learner.org/carcinogenesis.Phosphorus-60">http://dl-learner.org/carcinogenesis.Phosphorus-60</a> ?p1 owl:Class. <a href="http://dl-learner.org/carcinogenesis.d270_13">http://dl-learner.org/carcinogenesis.d270_13</a> rdf:type <a href="http://dl-learner.org/carcinogenesis.Phosphorus">http://dl-learner.org/carcinogenesis.Phosphorus</a>

log factor	frequency	
-2022.4	1	<a href="http://dl-learner.org/carcinogenesis_alkyl_halide-2154">http://dl-learner.org/carcinogenesis_alkyl_halide-2154</a> ?p1 <a href="http://dl-learner.org/carcinogenesis_alkyl_halide-3065">http://dl-learner.org/carcinogenesis_alkyl_halide-3065</a> ?p1 <a href="http://dl-learner.org/carcinogenesis_alkyl_halide-320">http://dl-learner.org/carcinogenesis_alkyl_halide-320</a> rdf:type <a href="http://dl-learner.org/carcinogenesis_alkyl_halide-320">http://dl-learner.org/carcinogenesis_alkyl_halide-320</a>
-2025.9	1	<a href="http://dl-learner.org/carcinogenesis_alkyl_halide-2154">http://dl-learner.org/carcinogenesis_alkyl_halide-2154</a> ?p1 <a href="http://dl-learner.org/carcinogenesis_alkyl_halide-3065">http://dl-learner.org/carcinogenesis_alkyl_halide-3065</a> ?p1 <a href="http://dl-learner.org/carcinogenesis_alkyl_halide-320">http://dl-learner.org/carcinogenesis_alkyl_halide-320</a> rdf:type <a href="http://dl-learner.org/carcinogenesis_alkyl_halide-320">http://dl-learner.org/carcinogenesis_alkyl_halide-320</a>
-2026.4	1	<a href="http://dl-learner.org/carcinogenesis_alkyl_halide-3065">http://dl-learner.org/carcinogenesis_alkyl_halide-3065</a> ?p1 <a href="http://dl-learner.org/carcinogenesis_alkyl_halide-320">http://dl-learner.org/carcinogenesis_alkyl_halide-320</a> rdf:type <a href="http://dl-learner.org/carcinogenesis_alkyl_halide-320">http://dl-learner.org/carcinogenesis_alkyl_halide-320</a>
-2026.5	1	<a href="http://dl-learner.org/carcinogenesis_alkyl_halide-120">http://dl-learner.org/carcinogenesis_alkyl_halide-120</a> ?p1 <a href="http://dl-learner.org/carcinogenesis_alkyl_halide-120">http://dl-learner.org/carcinogenesis_alkyl_halide-120</a>
-2026.5	1	<a href="http://dl-learner.org/carcinogenesis_alkyl_halide-3065">http://dl-learner.org/carcinogenesis_alkyl_halide-3065</a> ?p1 <a href="http://dl-learner.org/carcinogenesis_alkyl_halide-3065">http://dl-learner.org/carcinogenesis_alkyl_halide-3065</a>
-2026.5	1	<a href="http://dl-learner.org/carcinogenesis_alkyl_halide-320">http://dl-learner.org/carcinogenesis_alkyl_halide-320</a> ?p1 <a href="http://dl-learner.org/carcinogenesis_alkyl_halide-320">http://dl-learner.org/carcinogenesis_alkyl_halide-320</a>
-2026.5	1	<a href="http://dl-learner.org/carcinogenesis_alcohol-980">http://dl-learner.org/carcinogenesis_alcohol-980</a> ?p1 <a href="http://dl-learner.org/carcinogenesis_alcohol-980">http://dl-learner.org/carcinogenesis_alcohol-980</a>
-2026.5	1	<a href="http://dl-learner.org/carcinogenesis_alcohol-1585">http://dl-learner.org/carcinogenesis_alcohol-1585</a> ?p1 <a href="http://dl-learner.org/carcinogenesis_alcohol-1585">http://dl-learner.org/carcinogenesis_alcohol-1585</a>
-2026.5	1	<a href="http://dl-learner.org/carcinogenesis_alcohol-2172">http://dl-learner.org/carcinogenesis_alcohol-2172</a> ?p1 <a href="http://dl-learner.org/carcinogenesis_alcohol-2172">http://dl-learner.org/carcinogenesis_alcohol-2172</a>
-2026.5	1	<a href="http://dl-learner.org/carcinogenesis_alcohol-537">http://dl-learner.org/carcinogenesis_alcohol-537</a> ?p1 <a href="http://dl-learner.org/carcinogenesis_alcohol-537">http://dl-learner.org/carcinogenesis_alcohol-537</a>
-2026.5	1	<a href="http://dl-learner.org/carcinogenesis_alcohol-2134">http://dl-learner.org/carcinogenesis_alcohol-2134</a> ?p1 <a href="http://dl-learner.org/carcinogenesis_alcohol-2134">http://dl-learner.org/carcinogenesis_alcohol-2134</a>
-2026.6	1	<a href="http://dl-learner.org/carcinogenesis_bond99">http://dl-learner.org/carcinogenesis_bond99</a> ?p1 <a href="http://dl-learner.org/carcinogenesis_d102.2">http://dl-learner.org/carcinogenesis_d102.2</a> <a href="http://dl-learner.org/carcinogenesis_d102">http://dl-learner.org/carcinogenesis_d102</a> <a href="http://dl-learner.org/carcinogenesis_hasAtom">http://dl-learner.org/carcinogenesis_hasAtom</a> <a href="http://dl-learner.org/carcinogenesis_hasAtom">http://dl-learner.org/carcinogenesis_hasAtom</a>

log factor	frequency	
-2026.8	1	<a href="http://dl-learner.org/carcinogenesis_amine-2759">http://dl-learner.org/carcinogenesis_amine-2759</a> ?p1 <a href="http://dl-learner.org/carcinogenesis_Amine">http://dl-learner.org/carcinogenesis_Amine</a> .
-2026.8	1	<a href="http://dl-learner.org/carcinogenesis_amine-2182">http://dl-learner.org/carcinogenesis_amine-2182</a> ?p1 <a href="http://dl-learner.org/carcinogenesis_Amine">http://dl-learner.org/carcinogenesis_Amine</a> .
-2026.8	1	<a href="http://dl-learner.org/carcinogenesis_amine-939">http://dl-learner.org/carcinogenesis_amine-939</a> ?p1 <a href="http://dl-learner.org/carcinogenesis_Amine">http://dl-learner.org/carcinogenesis_Amine</a> .
-2026.8	1	<a href="http://dl-learner.org/carcinogenesis_amine-1155">http://dl-learner.org/carcinogenesis_amine-1155</a> ?p1 <a href="http://dl-learner.org/carcinogenesis_Amine">http://dl-learner.org/carcinogenesis_Amine</a> .
-2026.8	1	<a href="http://dl-learner.org/carcinogenesis_amine-1260">http://dl-learner.org/carcinogenesis_amine-1260</a> ?p1 <a href="http://dl-learner.org/carcinogenesis_Amine">http://dl-learner.org/carcinogenesis_Amine</a> .
-2026.8	1	<a href="http://dl-learner.org/carcinogenesis_amine-946">http://dl-learner.org/carcinogenesis_amine-946</a> ?p1 <a href="http://dl-learner.org/carcinogenesis_Amine">http://dl-learner.org/carcinogenesis_Amine</a> .
-2026.8	1	<a href="http://dl-learner.org/carcinogenesis_amine-2275">http://dl-learner.org/carcinogenesis_amine-2275</a> ?p1 <a href="http://dl-learner.org/carcinogenesis_Amine">http://dl-learner.org/carcinogenesis_Amine</a> .
-2027.8	1	<a href="http://dl-learner.org/carcinogenesis_Phosphorus-60">http://dl-learner.org/carcinogenesis_Phosphorus-60</a> ?p1 owl:Class.
-2027.8	1	<a href="http://dl-learner.org/carcinogenesis_Ar_halide">http://dl-learner.org/carcinogenesis_Ar_halide</a> ?p1 owl:Class.
-2027.8	1	<a href="http://dl-learner.org/carcinogenesis_Alcohol">http://dl-learner.org/carcinogenesis_Alcohol</a> ?p1 owl:Class.
-2027.8	1	<a href="http://dl-learner.org/carcinogenesis_Carbon-22">http://dl-learner.org/carcinogenesis_Carbon-22</a> ?p1 owl:Class.
-2030.2	4	?n1 <a href="http://dl-learner.org/carcinogenesis_inBond">http://dl-learner.org/carcinogenesis_inBond</a> <a href="http://dl-learner.org/carcinogenesis_d102.2">http://dl-learner.org/carcinogenesis_d102.2</a> .
-2030.4	1	<a href="http://dl-learner.org/carcinogenesis_bond485">http://dl-learner.org/carcinogenesis_bond485</a> ?p1 <a href="http://dl-learner.org/carcinogenesis_Bond-7">http://dl-learner.org/carcinogenesis_Bond-7</a> .
-2030.4	1	<a href="http://dl-learner.org/carcinogenesis_bond1962">http://dl-learner.org/carcinogenesis_bond1962</a> ?p1 <a href="http://dl-learner.org/carcinogenesis_Bond-7">http://dl-learner.org/carcinogenesis_Bond-7</a> .
-2030.4	1	<a href="http://dl-learner.org/carcinogenesis_bond4893">http://dl-learner.org/carcinogenesis_bond4893</a> ?p1 <a href="http://dl-learner.org/carcinogenesis_Bond-7">http://dl-learner.org/carcinogenesis_Bond-7</a> .

log factor	frequency	
-2031.0	2	<a href="http://dl-learner.org/carcinogenesis.bond99">http://dl-learner.org/carcinogenesis.bond99</a> <a href="http://dl-learner.org/carcinogenesis.inBond">http://dl-learner.org/carcinogenesis.inBond</a> ?n1. <a href="http://dl-learner.org/carcinogenesis.d102">http://dl-learner.org/carcinogenesis.d102</a> <a href="http://dl-learner.org/carcinogenesis.hasAtom">http://dl-learner.org/carcinogenesis.hasAtom</a> ?n1.
-2031.9	1	<a href="http://dl-learner.org/carcinogenesis.Di260">http://dl-learner.org/carcinogenesis.Di260</a> <a href="#">rdfs:subClassOf</a> ?n1.
-2032.1	1	<a href="http://dl-learner.org/carcinogenesis.bond9012">http://dl-learner.org/carcinogenesis.bond9012</a> ?p1 <a href="http://dl-learner.org/carcinogenesis.Bond-1">http://dl-learner.org/carcinogenesis.Bond-1</a> .
-2032.9	3	<a href="http://dl-learner.org/carcinogenesis.bond95">http://dl-learner.org/carcinogenesis.bond95</a> <a href="http://dl-learner.org/carcinogenesis.inBond">http://dl-learner.org/carcinogenesis.inBond</a> <a href="http://dl-learner.org/carcinogenesis.d102.2">http://dl-learner.org/carcinogenesis.d102.2</a> ?n1 <a href="http://dl-learner.org/carcinogenesis.inBond">http://dl-learner.org/carcinogenesis.inBond</a> <a href="http://dl-learner.org/carcinogenesis.d102.2">http://dl-learner.org/carcinogenesis.d102.2</a> .
-2033.6	1	<a href="http://dl-learner.org/carcinogenesis.Ester">http://dl-learner.org/carcinogenesis.Ester</a> <a href="#">rdfs:subClassOf</a> ?n1.
-2034.1	1	<a href="http://dl-learner.org/carcinogenesis.Iodine-95">http://dl-learner.org/carcinogenesis.Iodine-95</a> <a href="#">rdfs:subClassOf</a> ?n1.
-2034.1	1	<a href="http://dl-learner.org/carcinogenesis.Chlorine-93">http://dl-learner.org/carcinogenesis.Chlorine-93</a> <a href="#">rdfs:subClassOf</a> ?n1.
-2034.3	1	<a href="http://dl-learner.org/carcinogenesis.d270_13">http://dl-learner.org/carcinogenesis.d270_13</a> <a href="#">rdf:type</a> ?n1.
-2035.0	2	<a href="http://dl-learner.org/carcinogenesis.bond99">http://dl-learner.org/carcinogenesis.bond99</a> <a href="http://dl-learner.org/carcinogenesis.inBond">http://dl-learner.org/carcinogenesis.inBond</a> ?n1.
-2035.0	2	<a href="http://dl-learner.org/carcinogenesis.bond101">http://dl-learner.org/carcinogenesis.bond101</a> <a href="http://dl-learner.org/carcinogenesis.inBond">http://dl-learner.org/carcinogenesis.inBond</a> ?n1.
-2035.0	2	<a href="http://dl-learner.org/carcinogenesis.bond1012">http://dl-learner.org/carcinogenesis.bond1012</a> <a href="http://dl-learner.org/carcinogenesis.inBond">http://dl-learner.org/carcinogenesis.inBond</a> ?n1.
-2036.7	2	<a href="http://dl-learner.org/carcinogenesis.bond95">http://dl-learner.org/carcinogenesis.bond95</a> <a href="http://dl-learner.org/carcinogenesis.inBond">http://dl-learner.org/carcinogenesis.inBond</a> ?n1.
-2036.7	2	<a href="http://dl-learner.org/carcinogenesis.bond412">http://dl-learner.org/carcinogenesis.bond412</a> <a href="http://dl-learner.org/carcinogenesis.inBond">http://dl-learner.org/carcinogenesis.inBond</a> ?n1.
-2041.9	1	<a href="http://dl-learner.org/carcinogenesis.alkylhalide-3065">http://dl-learner.org/carcinogenesis.alkylhalide-3065</a> <a href="#">rdf:type</a> ?n1. <a href="http://dl-learner.org/carcinogenesis.alkylhalide-320">http://dl-learner.org/carcinogenesis.alkylhalide-320</a> <a href="#">rdf:type</a> ?n1.
-2042.0	2	<a href="http://dl-learner.org/carcinogenesis.bond4893">http://dl-learner.org/carcinogenesis.bond4893</a> <a href="http://dl-learner.org/carcinogenesis.inBond">http://dl-learner.org/carcinogenesis.inBond</a> ?n1.
-2042.1	1	<a href="http://dl-learner.org/carcinogenesis.di10-3291">http://dl-learner.org/carcinogenesis.di10-3291</a> <a href="#">rdf:type</a> ?n1.
-2042.5	1	<a href="http://dl-learner.org/carcinogenesis.alkylhalide-3065">http://dl-learner.org/carcinogenesis.alkylhalide-3065</a> <a href="#">rdf:type</a> ?n1.

log factor	frequency	
-2042.5	1	<a href="http://dl-learner.org/carcinogenesis_alkyl_halide-320">http://dl-learner.org/carcinogenesis_alkyl_halide-320</a> rdf:type ?n1.
-2042.5	1	<a href="http://dl-learner.org/carcinogenesis_alkyl_halide-2491">http://dl-learner.org/carcinogenesis_alkyl_halide-2491</a> rdf:type ?n1.
-2042.5	1	<a href="http://dl-learner.org/carcinogenesis_alkyl_halide-2916">http://dl-learner.org/carcinogenesis_alkyl_halide-2916</a> rdf:type ?n1.
-2042.5	1	<a href="http://dl-learner.org/carcinogenesis_alkyl_halide-222">http://dl-learner.org/carcinogenesis_alkyl_halide-222</a> rdf:type ?n1.
-2042.5	1	<a href="http://dl-learner.org/carcinogenesis_alkyl_halide-1445">http://dl-learner.org/carcinogenesis_alkyl_halide-1445</a> rdf:type ?n1.
-2042.5	1	<a href="http://dl-learner.org/carcinogenesis_alcohol-2134">http://dl-learner.org/carcinogenesis_alcohol-2134</a> rdf:type ?n1.
-2042.5	1	<a href="http://dl-learner.org/carcinogenesis_alcohol-1069">http://dl-learner.org/carcinogenesis_alcohol-1069</a> rdf:type ?n1.
-2042.8	1	<a href="http://dl-learner.org/carcinogenesis_amine-2759">http://dl-learner.org/carcinogenesis_amine-2759</a> rdf:type ?n1.
-2042.8	1	<a href="http://dl-learner.org/carcinogenesis_amine-2634">http://dl-learner.org/carcinogenesis_amine-2634</a> rdf:type ?n1.
-2043.8	1	<a href="http://dl-learner.org/carcinogenesis_Nitrogen-499">http://dl-learner.org/carcinogenesis_Nitrogen-499</a> rdf:type ?n1.
-2043.8	1	<a href="http://dl-learner.org/carcinogenesis_Phosphorus-60">http://dl-learner.org/carcinogenesis_Phosphorus-60</a> rdf:type ?n1.
-2043.8	1	<a href="http://dl-learner.org/carcinogenesis_Non_ar_6c_ring">http://dl-learner.org/carcinogenesis_Non_ar_6c_ring</a> rdf:type ?n1.
-2043.9	1	<a href="http://dl-learner.org/carcinogenesis_ar_halide-1525">http://dl-learner.org/carcinogenesis_ar_halide-1525</a> rdf:type ?n1.
-2043.9	1	<a href="http://dl-learner.org/carcinogenesis_ar_halide-2912">http://dl-learner.org/carcinogenesis_ar_halide-2912</a> rdf:type ?n1.
-2043.9	1	<a href="http://dl-learner.org/carcinogenesis_ar_halide-3038">http://dl-learner.org/carcinogenesis_ar_halide-3038</a> rdf:type ?n1.
-2043.9	1	<a href="http://dl-learner.org/carcinogenesis_ar_halide-216">http://dl-learner.org/carcinogenesis_ar_halide-216</a> rdf:type ?n1.
-2043.9	1	<a href="http://dl-learner.org/carcinogenesis_ar_halide-180">http://dl-learner.org/carcinogenesis_ar_halide-180</a> rdf:type ?n1.
-2044.1	1	<a href="http://dl-learner.org/carcinogenesis_d243_16">http://dl-learner.org/carcinogenesis_d243_16</a> <a href="http://dl-learner.org/carcinogenesis_charge">http://dl-learner.org/carcinogenesis_charge</a> ?n1.
-2045.1	1	?n1 <a href="http://dl-learner.org/carcinogenesis_hasAtom">http://dl-learner.org/carcinogenesis_hasAtom</a> <a href="http://dl-learner.org/carcinogenesis_d112_4">http://dl-learner.org/carcinogenesis_d112_4</a> .
-2045.3	1	<a href="http://dl-learner.org/carcinogenesis_d82_26">http://dl-learner.org/carcinogenesis_d82_26</a> rdf:type ?n1.
-2046.4	1	<a href="http://dl-learner.org/carcinogenesis_bond1421">http://dl-learner.org/carcinogenesis_bond1421</a> rdf:type ?n1.
-2046.4	1	<a href="http://dl-learner.org/carcinogenesis_bond4108">http://dl-learner.org/carcinogenesis_bond4108</a> rdf:type ?n1.
-2046.4	1	<a href="http://dl-learner.org/carcinogenesis_bond7147">http://dl-learner.org/carcinogenesis_bond7147</a> rdf:type ?n1.
-2046.4	1	<a href="http://dl-learner.org/carcinogenesis_bond566">http://dl-learner.org/carcinogenesis_bond566</a> rdf:type ?n1.
-2046.4	1	<a href="http://dl-learner.org/carcinogenesis_bond485">http://dl-learner.org/carcinogenesis_bond485</a> rdf:type ?n1.
-2046.4	1	<a href="http://dl-learner.org/carcinogenesis_bond3448">http://dl-learner.org/carcinogenesis_bond3448</a> rdf:type ?n1.

log factor	frequency	
-2046.4	1	<a href="http://dl-learner.org/carcinogenesis.bond2380">http://dl-learner.org/carcinogenesis.bond2380</a> rdf:type ?n1.
-2046.4	1	<a href="http://dl-learner.org/carcinogenesis.bond32">http://dl-learner.org/carcinogenesis.bond32</a> rdf:type ?n1.
-2046.4	1	<a href="http://dl-learner.org/carcinogenesis.bond662">http://dl-learner.org/carcinogenesis.bond662</a> rdf:type ?n1.
-2046.4	1	<a href="http://dl-learner.org/carcinogenesis.bond5306">http://dl-learner.org/carcinogenesis.bond5306</a> rdf:type ?n1.
-2046.4	1	<a href="http://dl-learner.org/carcinogenesis.bond5197">http://dl-learner.org/carcinogenesis.bond5197</a> rdf:type ?n1.
-2046.4	1	<a href="http://dl-learner.org/carcinogenesis.bond6533">http://dl-learner.org/carcinogenesis.bond6533</a> rdf:type ?n1.
-2048.1	1	<a href="http://dl-learner.org/carcinogenesis.bond9012">http://dl-learner.org/carcinogenesis.bond9012</a> rdf:type ?n1.
-2052.2	6	?n1 ?p2 <a href="http://dl-learner.org/carcinogenesis.Phosphorus-60">http://dl-learner.org/carcinogenesis.Phosphorus-60</a> .
-2053.6	66	<a href="http://dl-learner.org/carcinogenesis.amino-3169">http://dl-learner.org/carcinogenesis.amino-3169</a> rdf:type <a href="http://dl-learner.org/carcinogenesis.Amino">http://dl-learner.org/carcinogenesis.Amino</a> . ?n1 ?p2 <a href="http://dl-learner.org/carcinogenesis.Amino">http://dl-learner.org/carcinogenesis.Amino</a> .
-2056.6	2	<a href="http://dl-learner.org/carcinogenesis.Phosphorus-60">http://dl-learner.org/carcinogenesis.Phosphorus-60</a> ?p2 ?n1.
-2059.4	1	<a href="http://dl-learner.org/carcinogenesis.alkylhalide-3065">http://dl-learner.org/carcinogenesis.alkylhalide-3065</a> ?p2 ?n1. <a href="http://dl-learner.org/carcinogenesis.alkylhalide-320">http://dl-learner.org/carcinogenesis.alkylhalide-320</a> ?p2 ?n1.
-2059.7	2	<a href="http://dl-learner.org/carcinogenesis.d270_13">http://dl-learner.org/carcinogenesis.d270_13</a> ?p2 ?n1.
-2059.9	2	<a href="http://dl-learner.org/carcinogenesis.Non-ar_6c-ring">http://dl-learner.org/carcinogenesis.Non-ar_6c-ring</a> ?p2 ?n1.
-2059.9	1	<a href="http://dl-learner.org/carcinogenesis.alkylhalide-320">http://dl-learner.org/carcinogenesis.alkylhalide-320</a> ?p2 ?n1.
-2059.9	1	<a href="http://dl-learner.org/carcinogenesis.alkylhalide-2916">http://dl-learner.org/carcinogenesis.alkylhalide-2916</a> ?p2 ?n1.
-2060.0	1	<a href="http://dl-learner.org/carcinogenesis.alcohol-2134">http://dl-learner.org/carcinogenesis.alcohol-2134</a> ?p2 ?n1.
-2060.0	1	<a href="http://dl-learner.org/carcinogenesis.alcohol-1069">http://dl-learner.org/carcinogenesis.alcohol-1069</a> ?p2 ?n1.
-2060.3	1	<a href="http://dl-learner.org/carcinogenesis.amine-2759">http://dl-learner.org/carcinogenesis.amine-2759</a> ?p2 ?n1.
-2060.3	1	<a href="http://dl-learner.org/carcinogenesis.amine-2634">http://dl-learner.org/carcinogenesis.amine-2634</a> ?p2 ?n1.
-2060.3	1	<a href="http://dl-learner.org/carcinogenesis.amine-939">http://dl-learner.org/carcinogenesis.amine-939</a> ?p2 ?n1.
-2060.3	1	<a href="http://dl-learner.org/carcinogenesis.amine-1260">http://dl-learner.org/carcinogenesis.amine-1260</a> ?p2 ?n1.
-2060.3	1	<a href="http://dl-learner.org/carcinogenesis.amine-2275">http://dl-learner.org/carcinogenesis.amine-2275</a> ?p2 ?n1.
-2061.0	2	<a href="http://dl-learner.org/carcinogenesis.Di51">http://dl-learner.org/carcinogenesis.Di51</a> ?p2 ?n1.
-2061.0	2	<a href="http://dl-learner.org/carcinogenesis.Di260">http://dl-learner.org/carcinogenesis.Di260</a> ?p2 ?n1.
-2061.3	1	<a href="http://dl-learner.org/carcinogenesis.ar_halide-180">http://dl-learner.org/carcinogenesis.ar_halide-180</a> ?p2 ?n1.

log factor	frequency	
-2062.7	2	<a href="http://dl-learner.org/carcinogenesis.Ester">http://dl-learner.org/carcinogenesis.Ester</a> ?p2 ?n1.
-2063.1	2	<a href="http://dl-learner.org/carcinogenesis.Chlorine-93">http://dl-learner.org/carcinogenesis.Chlorine-93</a> ?p2 ?n1.
-2065.9	9	<a href="http://dl-learner.org/carcinogenesis.dl104">http://dl-learner.org/carcinogenesis.dl104</a> <a href="http://dl-learner.org/carcinogenesis_hasStructure">http://dl-learner.org/carcinogenesis_hasStructure</a> ?n1 ?n1 rdf:type ?n2.
-2071.1	2	?n1 ?p2 <a href="http://dl-learner.org/carcinogenesis.dl135-23">http://dl-learner.org/carcinogenesis.dl135-23</a> .
-2071.4	5	?n1 ?p2 <a href="http://dl-learner.org/carcinogenesis.dl112-4">http://dl-learner.org/carcinogenesis.dl112-4</a> .
-2071.9	5	?n1 ?p2 <a href="http://dl-learner.org/carcinogenesis.dl102-2">http://dl-learner.org/carcinogenesis.dl102-2</a> .
-2073.9	3	<a href="http://dl-learner.org/carcinogenesis.bond1012">http://dl-learner.org/carcinogenesis.bond1012</a> ?p2 ?n1.
-2075.7	3	<a href="http://dl-learner.org/carcinogenesis.bond412">http://dl-learner.org/carcinogenesis.bond412</a> ?p2 ?n1.
-2075.7	3	<a href="http://dl-learner.org/carcinogenesis.bond9012">http://dl-learner.org/carcinogenesis.bond9012</a> ?p2 ?n1.
-2077.4	2	<a href="http://dl-learner.org/carcinogenesis.d243-16">http://dl-learner.org/carcinogenesis.d243-16</a> ?p2 ?n1.
-2079.2	3	<a href="http://dl-learner.org/carcinogenesis.bond485">http://dl-learner.org/carcinogenesis.bond485</a> ?p2 ?n1.
-2079.2	3	<a href="http://dl-learner.org/carcinogenesis.bond1962">http://dl-learner.org/carcinogenesis.bond1962</a> ?p2 ?n1.
-2079.2	3	<a href="http://dl-learner.org/carcinogenesis.bond4893">http://dl-learner.org/carcinogenesis.bond4893</a> ?p2 ?n1.
-2079.2	3	<a href="http://dl-learner.org/carcinogenesis.bond2380">http://dl-learner.org/carcinogenesis.bond2380</a> ?p2 ?n1.
-2086.2	3	?n1 rdf:type ?n2. ?n1 <a href="http://dl-learner.org/carcinogenesis.inBond">http://dl-learner.org/carcinogenesis.inBond</a> <a href="http://dl-learner.org/carcinogenesis.dl11-4">http://dl-learner.org/carcinogenesis.dl11-4</a> .
-2094.0	2	<a href="http://dl-learner.org/carcinogenesis.dl10-3291">http://dl-learner.org/carcinogenesis.dl10-3291</a> rdf:type ?n2. ?n2 ?p3 ?n1.
-2094.6	541	?n1 ?p3 ?n2.
-2114.7	92	?n1 <a href="http://dl-learner.org/carcinogenesis.inBond">http://dl-learner.org/carcinogenesis.inBond</a> ?n2.
-2139.2	4	?n1 ?p3 <a href="http://dl-learner.org/carcinogenesis.dl11-4">http://dl-learner.org/carcinogenesis.dl11-4</a> . ?n1 rdf:type ?n2.
-2151.0	62	?n1 ?p4 <a href="http://dl-learner.org/carcinogenesis.dl11-4">http://dl-learner.org/carcinogenesis.dl11-4</a> . ?n1 ?p3 ?n2.
-2743.8	126	?n1 ?p2 <a href="http://dl-learner.org/carcinogenesis.Bond-1">http://dl-learner.org/carcinogenesis.Bond-1</a> .

## Mutag, top 100 by frequency

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log factor	frequency	
11178.4	5996	?n1 http://dl-learner.org/carcinogenesis.hasAtom ?n2.
577.6	1897	?n1 rdf:type ?n2.
938.0	1850	?n1 ?p2 http://dl-learner.org/carcinogenesis.Bond-7.
1014.6	1840	?n1 rdf:type http://dl-learner.org/carcinogenesis.Bond-7.
-2094.6	541	?n1 ?p3 ?n2.
-1422.9	320	?n1 ?p2 http://dl-learner.org/carcinogenesis.Ar_halide.
-1593.5	319	?n1 http://dl-learner.org/carcinogenesis.charge ?n2.
-1719.3	181	?n1 ?p2 http://dl-learner.org/carcinogenesis.Amine.
-1689.4	181	?n1 rdf:type http://dl-learner.org/carcinogenesis.Amine.
-1707.3	173	?n1 rdf:type http://dl-learner.org/carcinogenesis.Alkyl_halide.
-1737.1	173	?n1 ?p2 http://dl-learner.org/carcinogenesis.Alkyl_halide.
-1894.6	142	?n1 ?p2 owl:Class.
-1865.4	142	?n1 rdf:type owl:Class.
-1250.9	138	?n1 rdfs:subClassOf ?n2.
-2743.8	126	?n1 ?p2 http://dl-learner.org/carcinogenesis.Bond-1.
-1859.3	110	?n1 ?p2 http://dl-learner.org/carcinogenesis.Alcohol.
-1830.8	110	?n1 rdf:type http://dl-learner.org/carcinogenesis.Alcohol.
-2114.7	92	?n1 http://dl-learner.org/carcinogenesis.inBond ?n2.
-1911.7	67	?n1 rdf:type http://dl-learner.org/carcinogenesis.Amino.
-1938.7	67	?n1 ?p2 http://dl-learner.org/carcinogenesis.Amino.
-2053.6	66	http://dl-learner.org/carcinogenesis.amino-3169 rdf:type http://dl-learner.org/carcinogenesis.Amino. ?n1 ?p2 http://dl-learner.org/carcinogenesis.Amino.
-2151.0	62	?n1 ?p4 http://dl-learner.org/carcinogenesis.d11_4. ?n1 ?p3 ?n2.



log factor	frequency	
-1928.9	50	<a href="http://dl-learner.org/carcinogenesis.d270">http://dl-learner.org/carcinogenesis.d270</a> <a href="http://dl-learner.org/carcinogenesis_hasAtom">http://dl-learner.org/carcinogenesis_hasAtom</a> ?n1.
-1981.2	36	<a href="http://dl-learner.org/carcinogenesis.d219">http://dl-learner.org/carcinogenesis.d219</a> <a href="http://dl-learner.org/carcinogenesis_hasAtom">http://dl-learner.org/carcinogenesis_hasAtom</a> ?n1.
-2019.5	25	<a href="http://dl-learner.org/carcinogenesis.d216">http://dl-learner.org/carcinogenesis.d216</a> <a href="http://dl-learner.org/carcinogenesis_hasAtom">http://dl-learner.org/carcinogenesis_hasAtom</a> ?n1.
-1879.4	22	?n1 ?p2 <a href="http://dl-learner.org/carcinogenesis.Structure">http://dl-learner.org/carcinogenesis.Structure</a> .
-1886.3	19	?n1 <a href="http://dl-learner.org/carcinogenesis.Structure">rdfs:subClassOf http://dl-learner.org/carcinogenesis.Structure</a> .
-1988.7	16	<a href="http://dl-learner.org/carcinogenesis.d84">http://dl-learner.org/carcinogenesis.d84</a> <a href="http://dl-learner.org/carcinogenesis_hasStructure">http://dl-learner.org/carcinogenesis_hasStructure</a> ?n1. ?n1 ?p2 <a href="http://dl-learner.org/carcinogenesis.Alkyl_halide">http://dl-learner.org/carcinogenesis.Alkyl_halide</a> .
-2065.9	9	<a href="http://dl-learner.org/carcinogenesis.d104">http://dl-learner.org/carcinogenesis.d104</a> <a href="http://dl-learner.org/carcinogenesis_hasStructure">http://dl-learner.org/carcinogenesis_hasStructure</a> ?n1 ?n1 <a href="http://dl-learner.org/carcinogenesis.d104">rdf:type</a> ?n2.
-2052.2	6	?n1 ?p2 <a href="http://dl-learner.org/carcinogenesis.Phosphorus-60">http://dl-learner.org/carcinogenesis.Phosphorus-60</a> .
-2071.4	5	?n1 ?p2 <a href="http://dl-learner.org/carcinogenesis.d112.4">http://dl-learner.org/carcinogenesis.d112.4</a> .
-2071.9	5	?n1 ?p2 <a href="http://dl-learner.org/carcinogenesis.d102.2">http://dl-learner.org/carcinogenesis.d102.2</a> .
-2030.2	4	?n1 <a href="http://dl-learner.org/carcinogenesis.inBond">http://dl-learner.org/carcinogenesis.inBond</a> <a href="http://dl-learner.org/carcinogenesis.d102.2">http://dl-learner.org/carcinogenesis.d102.2</a> .
-2139.2	4	?n1 ?p3 <a href="http://dl-learner.org/carcinogenesis.d11.4">http://dl-learner.org/carcinogenesis.d11.4</a> . ?n1 <a href="http://dl-learner.org/carcinogenesis.d11.4">rdf:type</a> ?n2.
-2075.7	3	<a href="http://dl-learner.org/carcinogenesis.bond412">http://dl-learner.org/carcinogenesis.bond412</a> ?p2 ?n1.
-2032.9	3	<a href="http://dl-learner.org/carcinogenesis.bond95">http://dl-learner.org/carcinogenesis.bond95</a> <a href="http://dl-learner.org/carcinogenesis.inBond">http://dl-learner.org/carcinogenesis.inBond</a> <a href="http://dl-learner.org/carcinogenesis.d102.2">http://dl-learner.org/carcinogenesis.d102.2</a> . ?n1 <a href="http://dl-learner.org/carcinogenesis.inBond">http://dl-learner.org/carcinogenesis.inBond</a> <a href="http://dl-learner.org/carcinogenesis.d102.2">http://dl-learner.org/carcinogenesis.d102.2</a> .
-2073.9	3	<a href="http://dl-learner.org/carcinogenesis.bond1012">http://dl-learner.org/carcinogenesis.bond1012</a> ?p2 ?n1.
-2086.2	3	?n1 <a href="http://dl-learner.org/carcinogenesis.d11.4">rdf:type</a> ?n2. ?n1 <a href="http://dl-learner.org/carcinogenesis.inBond">http://dl-learner.org/carcinogenesis.inBond</a> <a href="http://dl-learner.org/carcinogenesis.d11.4">http://dl-learner.org/carcinogenesis.d11.4</a> .
-2075.7	3	<a href="http://dl-learner.org/carcinogenesis.bond9012">http://dl-learner.org/carcinogenesis.bond9012</a> ?p2 ?n1.

log factor	frequency	
-2079.2	3	<a href="http://dl-learner.org/carcinogenesis.bond485">http://dl-learner.org/carcinogenesis.bond485</a> ?p2 ?n1.
-2079.2	3	<a href="http://dl-learner.org/carcinogenesis.bond1962">http://dl-learner.org/carcinogenesis.bond1962</a> ?p2 ?n1.
-2079.2	3	<a href="http://dl-learner.org/carcinogenesis.bond4893">http://dl-learner.org/carcinogenesis.bond4893</a> ?p2 ?n1.
-2079.2	3	<a href="http://dl-learner.org/carcinogenesis.bond2380">http://dl-learner.org/carcinogenesis.bond2380</a> ?p2 ?n1.
-2036.7	2	<a href="http://dl-learner.org/carcinogenesis.bond412">http://dl-learner.org/carcinogenesis.bond412</a> <a href="http://dl-learner.org/carcinogenesis.inBond">http://dl-learner.org/carcinogenesis.inBond</a> ?n1.
-2036.7	2	<a href="http://dl-learner.org/carcinogenesis.bond95">http://dl-learner.org/carcinogenesis.bond95</a> <a href="http://dl-learner.org/carcinogenesis.inBond">http://dl-learner.org/carcinogenesis.inBond</a> ?n1.
-2035.0	2	<a href="http://dl-learner.org/carcinogenesis.bond99">http://dl-learner.org/carcinogenesis.bond99</a> <a href="http://dl-learner.org/carcinogenesis.inBond">http://dl-learner.org/carcinogenesis.inBond</a> ?n1.
-2031.0	2	<a href="http://dl-learner.org/carcinogenesis.bond99">http://dl-learner.org/carcinogenesis.bond99</a> <a href="http://dl-learner.org/carcinogenesis.inBond">http://dl-learner.org/carcinogenesis.inBond</a> ?n1. <a href="http://dl-learner.org/carcinogenesis.d102">http://dl-learner.org/carcinogenesis.d102</a> <a href="http://dl-learner.org/carcinogenesis.hasAtom">http://dl-learner.org/carcinogenesis.hasAtom</a> ?n1.
-2035.0	2	<a href="http://dl-learner.org/carcinogenesis.bond101">http://dl-learner.org/carcinogenesis.bond101</a> <a href="http://dl-learner.org/carcinogenesis.inBond">http://dl-learner.org/carcinogenesis.inBond</a> ?n1.
-2035.0	2	<a href="http://dl-learner.org/carcinogenesis.bond1012">http://dl-learner.org/carcinogenesis.bond1012</a> <a href="http://dl-learner.org/carcinogenesis.inBond">http://dl-learner.org/carcinogenesis.inBond</a> ?n1.
-2071.1	2	?n1 ?p2 <a href="http://dl-learner.org/carcinogenesis.d135_23">http://dl-learner.org/carcinogenesis.d135_23</a> .
-2062.7	2	<a href="http://dl-learner.org/carcinogenesis.Ester">http://dl-learner.org/carcinogenesis.Ester</a> ?p2 ?n1.
-2063.1	2	<a href="http://dl-learner.org/carcinogenesis.Chlorine-93">http://dl-learner.org/carcinogenesis.Chlorine-93</a> ?p2 ?n1.
-2061.0	2	<a href="http://dl-learner.org/carcinogenesis.Di51">http://dl-learner.org/carcinogenesis.Di51</a> ?p2 ?n1.
-2056.6	2	<a href="http://dl-learner.org/carcinogenesis.Phosphorus-60">http://dl-learner.org/carcinogenesis.Phosphorus-60</a> ?p2 ?n1.
-2059.7	2	<a href="http://dl-learner.org/carcinogenesis.d270_13">http://dl-learner.org/carcinogenesis.d270_13</a> ?p2 ?n1.
-2061.0	2	<a href="http://dl-learner.org/carcinogenesis.Di260">http://dl-learner.org/carcinogenesis.Di260</a> ?p2 ?n1.
-2077.4	2	<a href="http://dl-learner.org/carcinogenesis.d243_16">http://dl-learner.org/carcinogenesis.d243_16</a> ?p2 ?n1.
-2042.0	2	<a href="http://dl-learner.org/carcinogenesis.bond4893">http://dl-learner.org/carcinogenesis.bond4893</a> <a href="http://dl-learner.org/carcinogenesis.inBond">http://dl-learner.org/carcinogenesis.inBond</a> ?n1.

log factor	frequency	
-2094.0	2	<a href="http://dl-learner.org/carcinogenesis.di10-3291">http://dl-learner.org/carcinogenesis.di10-3291</a> <code>rdf:type</code> ?n2. ?n2 ?p3 ?n1.
-2059.9	2	<a href="http://dl-learner.org/carcinogenesis.Non-ar_6c-ring">http://dl-learner.org/carcinogenesis.Non-ar_6c-ring</a> ?p2 ?n1.
-2045.1	1	?n1 <a href="http://dl-learner.org/carcinogenesis.hasAtom">http://dl-learner.org/carcinogenesis.hasAtom</a> <a href="http://dl-learner.org/carcinogenesis_d112.4">http://dl-learner.org/carcinogenesis_d112.4</a> .
-2020.5	1	<a href="http://dl-learner.org/carcinogenesis.bond412">http://dl-learner.org/carcinogenesis.bond412</a> ?p1 <a href="http://dl-learner.org/carcinogenesis_d112.4">http://dl-learner.org/carcinogenesis_d112.4</a> .
-2003.0	1	<a href="http://dl-learner.org/carcinogenesis.bond412">http://dl-learner.org/carcinogenesis.bond412</a> <a href="http://dl-learner.org/carcinogenesis_inBond">http://dl-learner.org/carcinogenesis_inBond</a> <a href="http://dl-learner.org/carcinogenesis_d112.4">http://dl-learner.org/carcinogenesis_d112.4</a> .
-2003.0	1	<a href="http://dl-learner.org/carcinogenesis.bond100">http://dl-learner.org/carcinogenesis.bond100</a> <a href="http://dl-learner.org/carcinogenesis_inBond">http://dl-learner.org/carcinogenesis_inBond</a> <a href="http://dl-learner.org/carcinogenesis_d112.4">http://dl-learner.org/carcinogenesis_d112.4</a> .
-2003.0	1	<a href="http://dl-learner.org/carcinogenesis.bond95">http://dl-learner.org/carcinogenesis.bond95</a> <a href="http://dl-learner.org/carcinogenesis_inBond">http://dl-learner.org/carcinogenesis_inBond</a> <a href="http://dl-learner.org/carcinogenesis_d112.4">http://dl-learner.org/carcinogenesis_d112.4</a> .
-2020.5	1	<a href="http://dl-learner.org/carcinogenesis.bond95">http://dl-learner.org/carcinogenesis.bond95</a> ?p1 <a href="http://dl-learner.org/carcinogenesis_d102.2">http://dl-learner.org/carcinogenesis_d102.2</a> .
-2003.0	1	<a href="http://dl-learner.org/carcinogenesis.bond99">http://dl-learner.org/carcinogenesis.bond99</a> <a href="http://dl-learner.org/carcinogenesis_inBond">http://dl-learner.org/carcinogenesis_inBond</a> <a href="http://dl-learner.org/carcinogenesis_d102.2">http://dl-learner.org/carcinogenesis_d102.2</a> .
-2020.5	1	<a href="http://dl-learner.org/carcinogenesis.bond99">http://dl-learner.org/carcinogenesis.bond99</a> ?p1 <a href="http://dl-learner.org/carcinogenesis_d102.2">http://dl-learner.org/carcinogenesis_d102.2</a> .
-2001.3	1	<a href="http://dl-learner.org/carcinogenesis.bond99">http://dl-learner.org/carcinogenesis.bond99</a> <a href="http://dl-learner.org/carcinogenesis_inBond">http://dl-learner.org/carcinogenesis_inBond</a> <a href="http://dl-learner.org/carcinogenesis_d102.2">http://dl-learner.org/carcinogenesis_d102.2</a> .
-2009.1	1	<a href="http://dl-learner.org/carcinogenesis.bond99">http://dl-learner.org/carcinogenesis.bond99</a> <a href="http://dl-learner.org/carcinogenesis_inBond">http://dl-learner.org/carcinogenesis_inBond</a> <a href="http://dl-learner.org/carcinogenesis_d102">http://dl-learner.org/carcinogenesis_d102</a> <a href="http://dl-learner.org/carcinogenesis_hasAtom">http://dl-learner.org/carcinogenesis_hasAtom</a> <a href="http://dl-learner.org/carcinogenesis_d102.2">http://dl-learner.org/carcinogenesis_d102.2</a> .
-2012.2	1	<a href="http://dl-learner.org/carcinogenesis_d102">http://dl-learner.org/carcinogenesis_d102</a> <a href="http://dl-learner.org/carcinogenesis_hasAtom">http://dl-learner.org/carcinogenesis_hasAtom</a> <a href="http://dl-learner.org/carcinogenesis_d102.2">http://dl-learner.org/carcinogenesis_d102.2</a> .
-2026.6	1	<a href="http://dl-learner.org/carcinogenesis.bond99">http://dl-learner.org/carcinogenesis.bond99</a> ?p1 <a href="http://dl-learner.org/carcinogenesis_d102.2">http://dl-learner.org/carcinogenesis_d102.2</a> . <a href="http://dl-learner.org/carcinogenesis_d102">http://dl-learner.org/carcinogenesis_d102</a> <a href="http://dl-learner.org/carcinogenesis_hasAtom">http://dl-learner.org/carcinogenesis_hasAtom</a> <a href="http://dl-learner.org/carcinogenesis_d102.2">http://dl-learner.org/carcinogenesis_d102.2</a> .

log factor	frequency	
-2003.0	1	<a href="http://dl-learner.org/carcinogenesis.bond101">http://dl-learner.org/carcinogenesis.bond101</a> <a href="http://dl-learner.org/carcinogenesis.inBond">http://dl-learner.org/carcinogenesis.inBond</a> <a href="http://dl-learner.org/carcinogenesis.bond102">http://dl-learner.org/carcinogenesis.bond102</a>
-2020.5	1	<a href="http://dl-learner.org/carcinogenesis.bond101">http://dl-learner.org/carcinogenesis.bond101</a> ?p1 <a href="http://dl-learner.org/carcinogenesis.d102.2">http://dl-learner.org/carcinogenesis.d102.2</a> .
-2018.8	1	<a href="http://dl-learner.org/carcinogenesis.bond1012">http://dl-learner.org/carcinogenesis.bond1012</a> ?p1 <a href="http://dl-learner.org/carcinogenesis.d135.23">http://dl-learner.org/carcinogenesis.d135.23</a> .
-2026.5	1	<a href="http://dl-learner.org/carcinogenesis.alcohol-980">http://dl-learner.org/carcinogenesis.alcohol-980</a> ?p1 <a href="http://dl-learner.org/carcinogenesis.Alcohol">http://dl-learner.org/carcinogenesis.Alcohol</a>
-2009.1	1	<a href="http://dl-learner.org/carcinogenesis.alcohol-1585">http://dl-learner.org/carcinogenesis.alcohol-1585</a> rdf:type <a href="http://dl-learner.org/carcinogenesis.alcohol-1585">http://dl-learner.org/carcinogenesis.alcohol-1585</a>
-2026.5	1	<a href="http://dl-learner.org/carcinogenesis.alcohol-1585">http://dl-learner.org/carcinogenesis.alcohol-1585</a> ?p1 <a href="http://dl-learner.org/carcinogenesis.Alcohol">http://dl-learner.org/carcinogenesis.Alcohol</a>
-2046.4	1	<a href="http://dl-learner.org/carcinogenesis.bond1421">http://dl-learner.org/carcinogenesis.bond1421</a> rdf:type ?n1.
-2026.5	1	<a href="http://dl-learner.org/carcinogenesis.alkyl_halide-120">http://dl-learner.org/carcinogenesis.alkyl_halide-120</a> ?p1 <a href="http://dl-learner.org/carcinogenesis.A">http://dl-learner.org/carcinogenesis.A</a>
-2046.4	1	<a href="http://dl-learner.org/carcinogenesis.bond4108">http://dl-learner.org/carcinogenesis.bond4108</a> rdf:type ?n1.
-2046.4	1	<a href="http://dl-learner.org/carcinogenesis.bond7147">http://dl-learner.org/carcinogenesis.bond7147</a> rdf:type ?n1.
-2017.6	1	<a href="http://dl-learner.org/carcinogenesis.Ester">http://dl-learner.org/carcinogenesis.Ester</a> ?p1 <a href="http://dl-learner.org/carcinogenesis.Structure">http://dl-learner.org/carcinogenesis.Structure</a> .
-2000.2	1	<a href="http://dl-learner.org/carcinogenesis.Ester">http://dl-learner.org/carcinogenesis.Ester</a> rdfs:subClassOf <a href="http://dl-learner.org/carcinogenesis.Ester">http://dl-learner.org/carcinogenesis.Ester</a>
-2033.6	1	<a href="http://dl-learner.org/carcinogenesis.Ester">http://dl-learner.org/carcinogenesis.Ester</a> rdfs:subClassOf ?n1.
-2034.1	1	<a href="http://dl-learner.org/carcinogenesis.Iodine-95">http://dl-learner.org/carcinogenesis.Iodine-95</a> rdfs:subClassOf ?n1.
-2034.1	1	<a href="http://dl-learner.org/carcinogenesis.Chlorine-93">http://dl-learner.org/carcinogenesis.Chlorine-93</a> rdfs:subClassOf ?n1.
-2045.3	1	<a href="http://dl-learner.org/carcinogenesis.d82.26">http://dl-learner.org/carcinogenesis.d82.26</a> rdf:type ?n1.
-2043.9	1	<a href="http://dl-learner.org/carcinogenesis.ar_halide-1525">http://dl-learner.org/carcinogenesis.ar_halide-1525</a> rdf:type ?n1.
-2009.1	1	<a href="http://dl-learner.org/carcinogenesis.alcohol-2172">http://dl-learner.org/carcinogenesis.alcohol-2172</a> rdf:type <a href="http://dl-learner.org/carcinogenesis.alcohol-2172">http://dl-learner.org/carcinogenesis.alcohol-2172</a>

log factor	frequency	
-2026.5	1	<a href="http://dl-learner.org/carcinogenesis_alcohol-2172">http://dl-learner.org/carcinogenesis_alcohol-2172</a> ?p1 <a href="http://dl-learner.org/carcinogenesis_Alcohol">http://dl-learner.org/carcinogenesis_Alcohol</a>
-2043.8	1	<a href="http://dl-learner.org/carcinogenesis_Nitrogen-499">http://dl-learner.org/carcinogenesis_Nitrogen-499</a> rdf:type ?n1.
-2026.5	1	<a href="http://dl-learner.org/carcinogenesis_alcohol-537">http://dl-learner.org/carcinogenesis_alcohol-537</a> ?p1 <a href="http://dl-learner.org/carcinogenesis_Alcohol">http://dl-learner.org/carcinogenesis_Alcohol</a>
-2026.5	1	<a href="http://dl-learner.org/carcinogenesis_alcohol-2134">http://dl-learner.org/carcinogenesis_alcohol-2134</a> ?p1 <a href="http://dl-learner.org/carcinogenesis_Alcohol">http://dl-learner.org/carcinogenesis_Alcohol</a>
-2060.0	1	<a href="http://dl-learner.org/carcinogenesis_alcohol-2134">http://dl-learner.org/carcinogenesis_alcohol-2134</a> ?p2 ?n1.
-2009.1	1	<a href="http://dl-learner.org/carcinogenesis_alcohol-2134">http://dl-learner.org/carcinogenesis_alcohol-2134</a> rdf:type <a href="http://dl-learner.org/carcinogenesis_Alcohol">http://dl-learner.org/carcinogenesis_Alcohol</a>
-2042.5	1	<a href="http://dl-learner.org/carcinogenesis_alcohol-2134">http://dl-learner.org/carcinogenesis_alcohol-2134</a> rdf:type ?n1.
-2042.8	1	<a href="http://dl-learner.org/carcinogenesis_amine-2759">http://dl-learner.org/carcinogenesis_amine-2759</a> rdf:type ?n1.
-2060.3	1	<a href="http://dl-learner.org/carcinogenesis_amine-2759">http://dl-learner.org/carcinogenesis_amine-2759</a> ?p2 ?n1.
-2026.8	1	<a href="http://dl-learner.org/carcinogenesis_amine-2759">http://dl-learner.org/carcinogenesis_amine-2759</a> ?p1 <a href="http://dl-learner.org/carcinogenesis_Amine">http://dl-learner.org/carcinogenesis_Amine</a> .
-2026.8	1	<a href="http://dl-learner.org/carcinogenesis_amine-2182">http://dl-learner.org/carcinogenesis_amine-2182</a> ?p1 <a href="http://dl-learner.org/carcinogenesis_Amine">http://dl-learner.org/carcinogenesis_Amine</a> .
-2009.4	1	<a href="http://dl-learner.org/carcinogenesis_amine-2182">http://dl-learner.org/carcinogenesis_amine-2182</a> rdf:type <a href="http://dl-learner.org/carcinogenesis_Amine">http://dl-learner.org/carcinogenesis_Amine</a>
-2046.4	1	<a href="http://dl-learner.org/carcinogenesis_bond566">http://dl-learner.org/carcinogenesis_bond566</a> rdf:type ?n1.
-2043.9	1	<a href="http://dl-learner.org/carcinogenesis_ar_halide-2912">http://dl-learner.org/carcinogenesis_ar_halide-2912</a> rdf:type ?n1.
-2042.5	1	<a href="http://dl-learner.org/carcinogenesis_alkyl_halide-3065">http://dl-learner.org/carcinogenesis_alkyl_halide-3065</a> rdf:type ?n1.
-2009.1	1	<a href="http://dl-learner.org/carcinogenesis_alkyl_halide-3065">http://dl-learner.org/carcinogenesis_alkyl_halide-3065</a> rdf:type <a href="http://dl-learner.org/carcinogenesis_AlkylHalide">http://dl-learner.org/carcinogenesis_AlkylHalide</a>
-2026.5	1	<a href="http://dl-learner.org/carcinogenesis_alkyl_halide-3065">http://dl-learner.org/carcinogenesis_alkyl_halide-3065</a> ?p1 <a href="http://dl-learner.org/carcinogenesis_AlkylHalide">http://dl-learner.org/carcinogenesis_AlkylHalide</a>

log factor	frequency	
-2008.5	1	http://dl-learner.org/carcinogenesis.alkyl_halide-2154 rdf:type http://dl-learner.org/carcinogenesis.alkyl_halide-3065 rdf:type http://dl-learner.org/carcinogenesis.alkyl_halide-320
-2025.9	1	http://dl-learner.org/carcinogenesis.alkyl_halide-2154 ?p1 http://dl-learner.org/carcinogenesis.alkyl_halide-3065 ?p1 http://dl-learner.org/carcinogenesis.alkyl_halide-320
-2022.4	1	http://dl-learner.org/carcinogenesis.alkyl_halide-2154 ?p1 http://dl-learner.org/carcinogenesis.alkyl_halide-3065 ?p1 http://dl-learner.org/carcinogenesis.alkyl_halide-320
-2026.4	1	http://dl-learner.org/carcinogenesis.alkyl_halide-3065 ?p1 http://dl-learner.org/carcinogenesis.alkyl_halide-320 rdf:type http://dl-learner.org/carcinogenesis.alkyl_halide-320
-2008.5	1	http://dl-learner.org/carcinogenesis.alkyl_halide-3065 rdf:type http://dl-learner.org/carcinogenesis.alkyl_halide-320 rdf:type http://dl-learner.org/carcinogenesis.alkyl_halide-320
-2041.9	1	http://dl-learner.org/carcinogenesis.alkyl_halide-3065 rdf:type ?n1. http://dl-learner.org/carcinogenesis.alkyl_halide-320 rdf:type ?n1.
-2059.4	1	http://dl-learner.org/carcinogenesis.alkyl_halide-3065 ?p2 ?n1. http://dl-learner.org/carcinogenesis.alkyl_halide-320 ?p2 ?n1.
-2059.9	1	http://dl-learner.org/carcinogenesis.alkyl_halide-320 ?p2 ?n1.
-2026.5	1	http://dl-learner.org/carcinogenesis.alkyl_halide-320 ?p1 http://dl-learner.org/carcinogenesis.alkyl_halide-320
-2042.5	1	http://dl-learner.org/carcinogenesis.alkyl_halide-320 rdf:type ?n1.
-2043.8	1	http://dl-learner.org/carcinogenesis.Phosphorus-60 rdf:type ?n1.
-2027.8	1	http://dl-learner.org/carcinogenesis.Phosphorus-60 ?p1 owl:Class.
-2020.9	1	http://dl-learner.org/carcinogenesis.Phosphorus-60 ?p1 owl:Class. http://dl-learner.org/carcinogenesis.d270_13 rdf:type http://dl-learner.org/carcinogenesis.Phosphorus-60
-2002.9	1	http://dl-learner.org/carcinogenesis.Phosphorus-60 rdf:type owl:Class. http://dl-learner.org/carcinogenesis.d270_13 rdf:type http://dl-learner.org/carcinogenesis.Phosphorus-60

log factor	frequency	
-2000.9	1	<a href="http://dl-learner.org/carcinogenesis.d270_13">http://dl-learner.org/carcinogenesis.d270_13</a> rdf:type <a href="http://dl-learner.org/carcinogenesis.Phosphorus">http://dl-learner.org/carcinogenesis.Phosphorus</a>
-1996.1	1	<a href="http://dl-learner.org/carcinogenesis.d270_13">http://dl-learner.org/carcinogenesis.d270_13</a> rdf:type <a href="http://dl-learner.org/carcinogenesis.Phosphorus">http://dl-learner.org/carcinogenesis.Phosphorus</a> <a href="http://dl-learner.org/carcinogenesis.bond5500">http://dl-learner.org/carcinogenesis.bond5500</a> <a href="http://dl-learner.org/carcinogenesis.inBond">http://dl-learner.org/carcinogenesis.inBond</a> <a href="http://dl-learner.org/carcinogenesis.bond5500">http://dl-learner.org/carcinogenesis.bond5500</a>
-2018.3	1	<a href="http://dl-learner.org/carcinogenesis.d270_13">http://dl-learner.org/carcinogenesis.d270_13</a> ?p1 <a href="http://dl-learner.org/carcinogenesis.Phosphorus">http://dl-learner.org/carcinogenesis.Phosphorus</a>
-2034.3	1	<a href="http://dl-learner.org/carcinogenesis.d270_13">http://dl-learner.org/carcinogenesis.d270_13</a> rdf:type ?n1.
-2060.3	1	<a href="http://dl-learner.org/carcinogenesis.amine-2634">http://dl-learner.org/carcinogenesis.amine-2634</a> ?p2 ?n1.
-2042.8	1	<a href="http://dl-learner.org/carcinogenesis.amine-2634">http://dl-learner.org/carcinogenesis.amine-2634</a> rdf:type ?n1.
-2046.4	1	<a href="http://dl-learner.org/carcinogenesis.bond6533">http://dl-learner.org/carcinogenesis.bond6533</a> rdf:type ?n1.
-2048.1	1	<a href="http://dl-learner.org/carcinogenesis.bond9012">http://dl-learner.org/carcinogenesis.bond9012</a> rdf:type ?n1.
-2014.7	1	<a href="http://dl-learner.org/carcinogenesis.bond9012">http://dl-learner.org/carcinogenesis.bond9012</a> rdf:type <a href="http://dl-learner.org/carcinogenesis.Bond-1">http://dl-learner.org/carcinogenesis.Bond-1</a> .
-2032.1	1	<a href="http://dl-learner.org/carcinogenesis.bond9012">http://dl-learner.org/carcinogenesis.bond9012</a> ?p1 <a href="http://dl-learner.org/carcinogenesis.Bond-1">http://dl-learner.org/carcinogenesis.Bond-1</a> .
-2010.4	1	<a href="http://dl-learner.org/carcinogenesis.Molybdenum">http://dl-learner.org/carcinogenesis.Molybdenum</a> rdf:type owl:Class.
-2031.9	1	<a href="http://dl-learner.org/carcinogenesis.Di260">http://dl-learner.org/carcinogenesis.Di260</a> rdfs:subClassOf ?n1.
-2013.0	1	<a href="http://dl-learner.org/carcinogenesis.bond485">http://dl-learner.org/carcinogenesis.bond485</a> rdf:type <a href="http://dl-learner.org/carcinogenesis.Bond-7">http://dl-learner.org/carcinogenesis.Bond-7</a> .
-2030.4	1	<a href="http://dl-learner.org/carcinogenesis.bond485">http://dl-learner.org/carcinogenesis.bond485</a> ?p1 <a href="http://dl-learner.org/carcinogenesis.Bond-7">http://dl-learner.org/carcinogenesis.Bond-7</a> .
-2046.4	1	<a href="http://dl-learner.org/carcinogenesis.bond485">http://dl-learner.org/carcinogenesis.bond485</a> rdf:type ?n1.
-2060.3	1	<a href="http://dl-learner.org/carcinogenesis.amine-939">http://dl-learner.org/carcinogenesis.amine-939</a> ?p2 ?n1.
-2026.8	1	<a href="http://dl-learner.org/carcinogenesis.amine-939">http://dl-learner.org/carcinogenesis.amine-939</a> ?p1 <a href="http://dl-learner.org/carcinogenesis.Amine">http://dl-learner.org/carcinogenesis.Amine</a> .
-2046.4	1	<a href="http://dl-learner.org/carcinogenesis.bond3448">http://dl-learner.org/carcinogenesis.bond3448</a> rdf:type ?n1.
-2042.5	1	<a href="http://dl-learner.org/carcinogenesis.alkylhalide-2491">http://dl-learner.org/carcinogenesis.alkylhalide-2491</a> rdf:type ?n1.

log factor	frequency	
-2043.9	1	<a href="http://dl-learner.org/carcinogenesis_ar_halide-3038">http://dl-learner.org/carcinogenesis_ar_halide-3038</a> rdf:type ?n1.
-2026.8	1	<a href="http://dl-learner.org/carcinogenesis_amine-1155">http://dl-learner.org/carcinogenesis_amine-1155</a> ?p1 <a href="http://dl-learner.org/carcinogenesis_Amine">http://dl-learner.org/carcinogenesis_Amine</a> .
-2060.3	1	<a href="http://dl-learner.org/carcinogenesis_amine-1260">http://dl-learner.org/carcinogenesis_amine-1260</a> ?p2 ?n1.
-2026.8	1	<a href="http://dl-learner.org/carcinogenesis_amine-1260">http://dl-learner.org/carcinogenesis_amine-1260</a> ?p1 <a href="http://dl-learner.org/carcinogenesis_Amine">http://dl-learner.org/carcinogenesis_Amine</a> .
-2026.8	1	<a href="http://dl-learner.org/carcinogenesis_amine-946">http://dl-learner.org/carcinogenesis_amine-946</a> ?p1 <a href="http://dl-learner.org/carcinogenesis_Amine">http://dl-learner.org/carcinogenesis_Amine</a> .
-2027.8	1	<a href="http://dl-learner.org/carcinogenesis_Ar_halide">http://dl-learner.org/carcinogenesis_Ar_halide</a> ?p1 owl:Class.
-2027.8	1	<a href="http://dl-learner.org/carcinogenesis_Alcohol">http://dl-learner.org/carcinogenesis_Alcohol</a> ?p1 owl:Class.
-2027.8	1	<a href="http://dl-learner.org/carcinogenesis_Carbon-22">http://dl-learner.org/carcinogenesis_Carbon-22</a> ?p1 owl:Class.
-2010.4	1	<a href="http://dl-learner.org/carcinogenesis_Carbon-22">http://dl-learner.org/carcinogenesis_Carbon-22</a> rdf:type owl:Class.
-2044.1	1	<a href="http://dl-learner.org/carcinogenesis_d243-16">http://dl-learner.org/carcinogenesis_d243-16</a> <a href="http://dl-learner.org/carcinogenesis_charge">http://dl-learner.org/carcinogenesis_charge</a> ?n1.
-2043.9	1	<a href="http://dl-learner.org/carcinogenesis_ar_halide-216">http://dl-learner.org/carcinogenesis_ar_halide-216</a> rdf:type ?n1.
-2059.9	1	<a href="http://dl-learner.org/carcinogenesis_alkyl_halide-2916">http://dl-learner.org/carcinogenesis_alkyl_halide-2916</a> ?p2 ?n1.
-2042.5	1	<a href="http://dl-learner.org/carcinogenesis_alkyl_halide-2916">http://dl-learner.org/carcinogenesis_alkyl_halide-2916</a> rdf:type ?n1.
-2013.0	1	<a href="http://dl-learner.org/carcinogenesis_bond1962">http://dl-learner.org/carcinogenesis_bond1962</a> rdf:type <a href="http://dl-learner.org/carcinogenesis_Bond">http://dl-learner.org/carcinogenesis_Bond</a> .
-2030.4	1	<a href="http://dl-learner.org/carcinogenesis_bond1962">http://dl-learner.org/carcinogenesis_bond1962</a> ?p1 <a href="http://dl-learner.org/carcinogenesis_Bond-7">http://dl-learner.org/carcinogenesis_Bond-7</a> .
-2013.0	1	<a href="http://dl-learner.org/carcinogenesis_bond3442">http://dl-learner.org/carcinogenesis_bond3442</a> rdf:type <a href="http://dl-learner.org/carcinogenesis_Bond">http://dl-learner.org/carcinogenesis_Bond</a> .
-2030.4	1	<a href="http://dl-learner.org/carcinogenesis_bond4893">http://dl-learner.org/carcinogenesis_bond4893</a> ?p1 <a href="http://dl-learner.org/carcinogenesis_Bond-7">http://dl-learner.org/carcinogenesis_Bond-7</a> .
-2013.0	1	<a href="http://dl-learner.org/carcinogenesis_bond2380">http://dl-learner.org/carcinogenesis_bond2380</a> rdf:type <a href="http://dl-learner.org/carcinogenesis_Bond">http://dl-learner.org/carcinogenesis_Bond</a> .
-2046.4	1	<a href="http://dl-learner.org/carcinogenesis_bond2380">http://dl-learner.org/carcinogenesis_bond2380</a> rdf:type ?n1.



	log factor	frequency	
	-2009.1	1	<a href="http://dl-learner.org/carcinogenesis.alkyl_halide-318">http://dl-learner.org/carcinogenesis.alkyl_halide-318</a> rdf:type <a href="http://dl-learner.org/carcinogenesis.alkyl_halide-318">http://dl-learner.org/carcinogenesis.alkyl_halide-318</a>
	-2042.1	1	<a href="http://dl-learner.org/carcinogenesis.di10-3291">http://dl-learner.org/carcinogenesis.di10-3291</a> rdf:type ?n1.
	-2043.9	1	<a href="http://dl-learner.org/carcinogenesis.ar_halide-180">http://dl-learner.org/carcinogenesis.ar_halide-180</a> rdf:type ?n1.
	-2061.3	1	<a href="http://dl-learner.org/carcinogenesis.ar_halide-180">http://dl-learner.org/carcinogenesis.ar_halide-180</a> ?p2 ?n1.
	-2042.5	1	<a href="http://dl-learner.org/carcinogenesis.alkyl_halide-222">http://dl-learner.org/carcinogenesis.alkyl_halide-222</a> rdf:type ?n1.
	-2043.8	1	<a href="http://dl-learner.org/carcinogenesis.Non_ar_6c_ring">http://dl-learner.org/carcinogenesis.Non_ar_6c_ring</a> rdf:type ?n1.
	-2060.0	1	<a href="http://dl-learner.org/carcinogenesis.alcohol-1069">http://dl-learner.org/carcinogenesis.alcohol-1069</a> ?p2 ?n1.
	-2042.5	1	<a href="http://dl-learner.org/carcinogenesis.alcohol-1069">http://dl-learner.org/carcinogenesis.alcohol-1069</a> rdf:type ?n1.
	-2060.3	1	<a href="http://dl-learner.org/carcinogenesis.amine-2275">http://dl-learner.org/carcinogenesis.amine-2275</a> ?p2 ?n1.
	-2026.8	1	<a href="http://dl-learner.org/carcinogenesis.amine-2275">http://dl-learner.org/carcinogenesis.amine-2275</a> ?p1 <a href="http://dl-learner.org/carcinogenesis.Amine-2275">http://dl-learner.org/carcinogenesis.Amine-2275</a>
S	-2042.5	1	<a href="http://dl-learner.org/carcinogenesis.alkyl_halide-1445">http://dl-learner.org/carcinogenesis.alkyl_halide-1445</a> rdf:type ?n1.
	-2046.4	1	<a href="http://dl-learner.org/carcinogenesis.bond32">http://dl-learner.org/carcinogenesis.bond32</a> rdf:type ?n1.
	-2013.0	1	<a href="http://dl-learner.org/carcinogenesis.bond32">http://dl-learner.org/carcinogenesis.bond32</a> rdf:type <a href="http://dl-learner.org/carcinogenesis.Bond32">http://dl-learner.org/carcinogenesis.Bond32</a>
	-2011.7	1	<a href="http://dl-learner.org/carcinogenesis.bond32">http://dl-learner.org/carcinogenesis.bond32</a> rdf:type <a href="http://dl-learner.org/carcinogenesis.Bond32">http://dl-learner.org/carcinogenesis.Bond32</a> <a href="http://dl-learner.org/carcinogenesis.bond32">http://dl-learner.org/carcinogenesis.bond32</a> <a href="http://dl-learner.org/carcinogenesis.inBond">http://dl-learner.org/carcinogenesis.inBond</a> <a href="http://dl-learner.org/carcinogenesis.inBond">http://dl-learner.org/carcinogenesis.inBond</a>
	-2013.0	1	<a href="http://dl-learner.org/carcinogenesis.bond16">http://dl-learner.org/carcinogenesis.bond16</a> rdf:type <a href="http://dl-learner.org/carcinogenesis.Bond16">http://dl-learner.org/carcinogenesis.Bond16</a>
	-2046.4	1	<a href="http://dl-learner.org/carcinogenesis.bond662">http://dl-learner.org/carcinogenesis.bond662</a> rdf:type ?n1.
	-2046.4	1	<a href="http://dl-learner.org/carcinogenesis.bond5306">http://dl-learner.org/carcinogenesis.bond5306</a> rdf:type ?n1.
	-2046.4	1	<a href="http://dl-learner.org/carcinogenesis.bond5197">http://dl-learner.org/carcinogenesis.bond5197</a> rdf:type ?n1.
	-2020.8	1	<a href="http://dl-learner.org/carcinogenesis.amino-3218">http://dl-learner.org/carcinogenesis.amino-3218</a> ?p1 <a href="http://dl-learner.org/carcinogenesis.Amino-3218">http://dl-learner.org/carcinogenesis.Amino-3218</a>
	-2020.8	1	<a href="http://dl-learner.org/carcinogenesis.amino-3151">http://dl-learner.org/carcinogenesis.amino-3151</a> ?p1 <a href="http://dl-learner.org/carcinogenesis.Amino-3151">http://dl-learner.org/carcinogenesis.Amino-3151</a>

log factor	frequency	
-2003.4	1	<a href="http://dl-learner.org/carcinogenesis_amino-3151">http://dl-learner.org/carcinogenesis_amino-3151</a> <code>rdf:type</code> <a href="http://dl-learner.org/carcinogenesis_AminoAcid">http://dl-learner.org/carcinogenesis_AminoAcid</a>

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