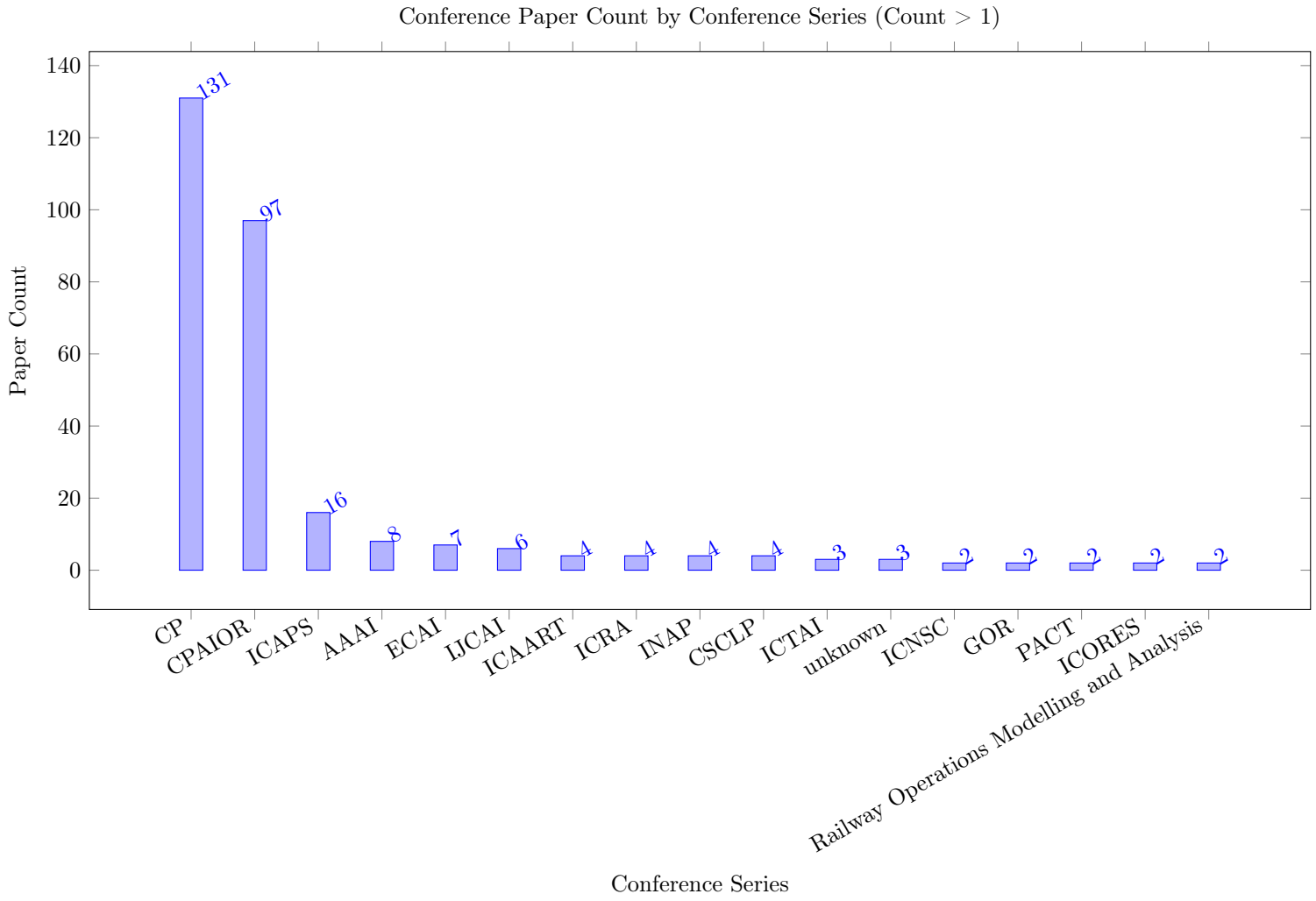
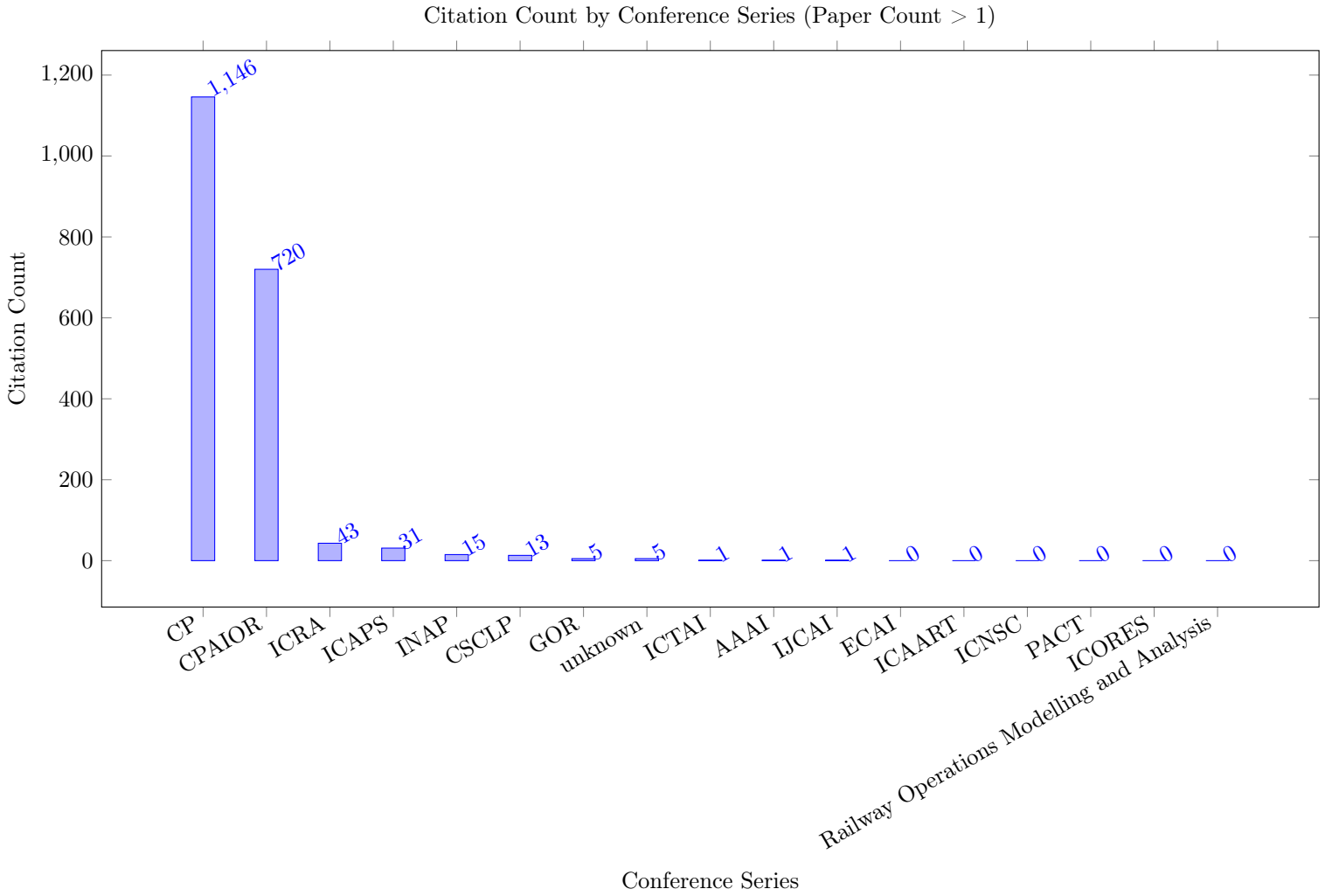
Publication Report

Helmut Simonis and Cemalettin Öztürk

Report Generated on April 19, 2024

1 Conference Papers by Most Common Conference Series

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INAP
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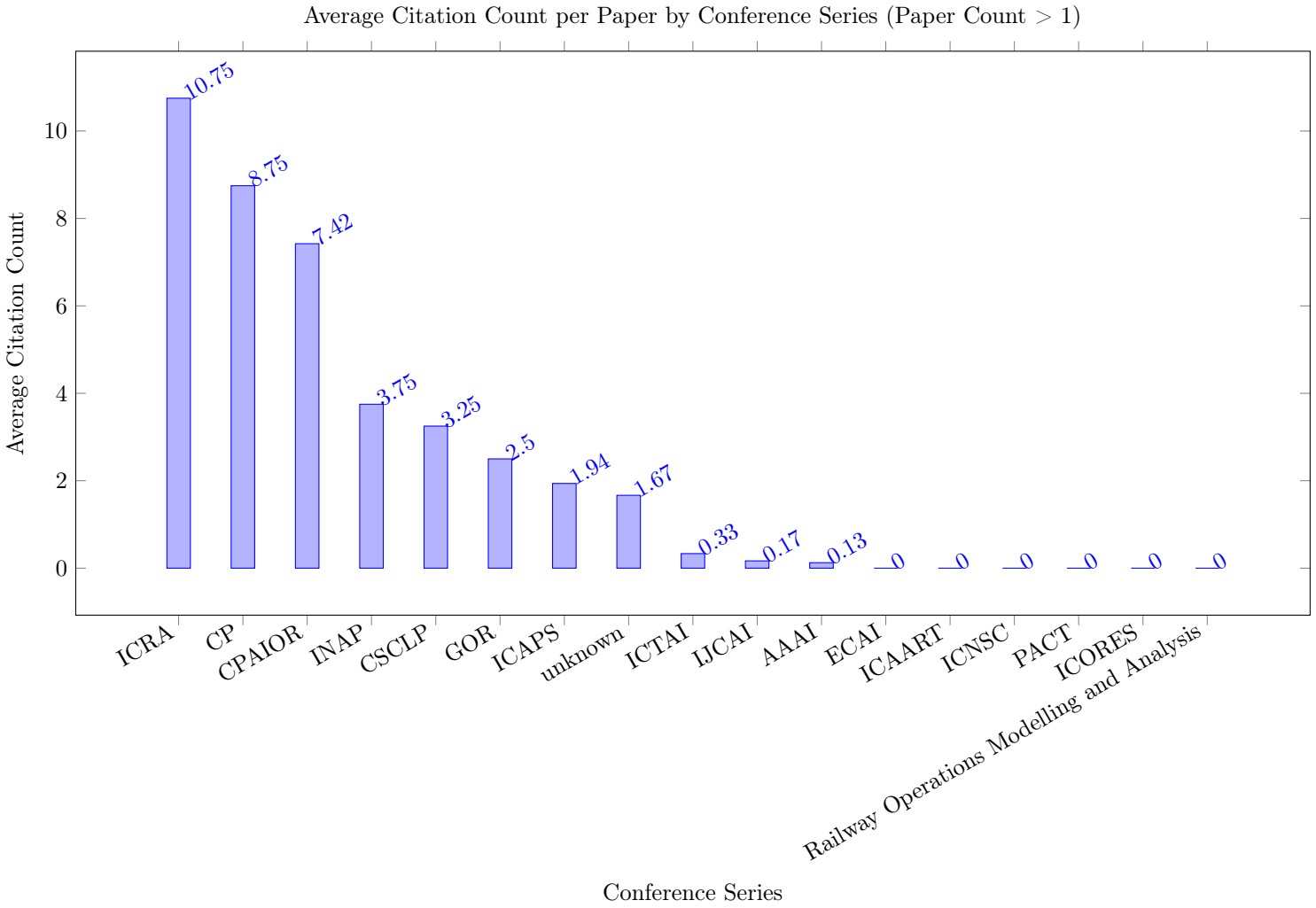
PACT
ICORES
Railway Operations Modelling and Analysis
Conference Series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0.17
0.13
0
0
0
0
0
0
ICRA
CP
CPAIOR
INAP
CSCLP
GOR
ICAPS
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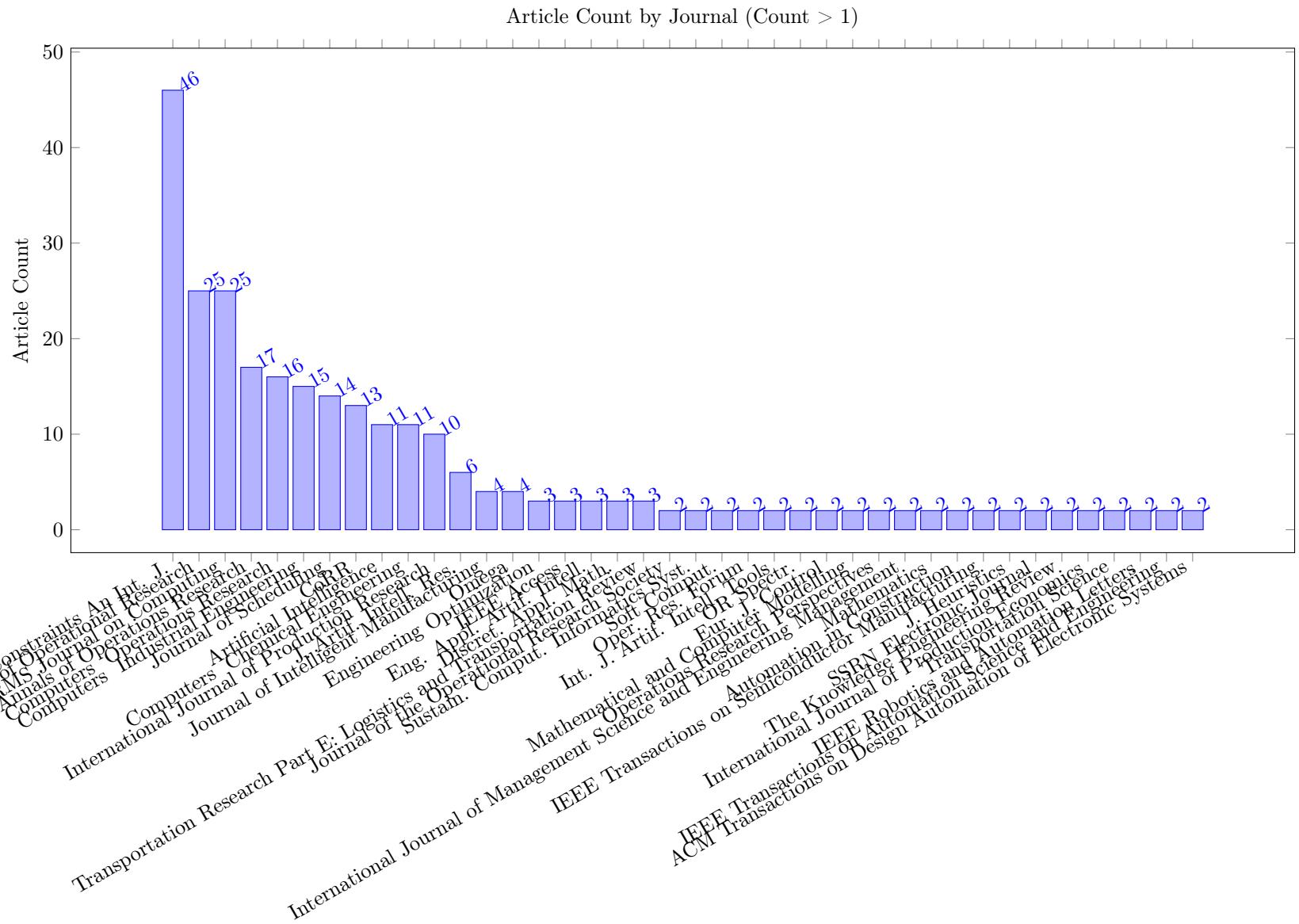
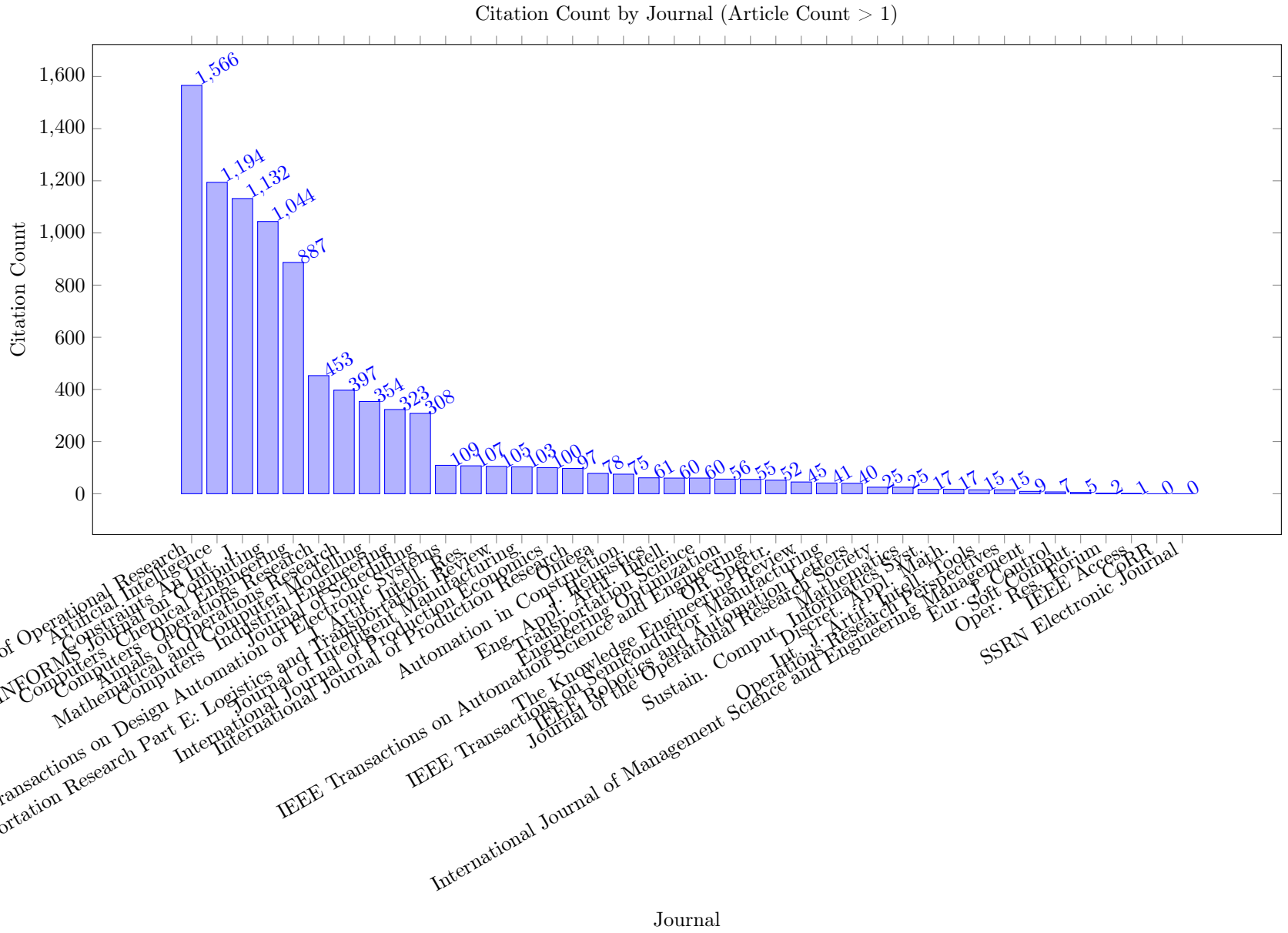
Railway Operations Modelling and Analysis
Conference Series

2 Journal Articles by Most Common Journals

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354
323
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109
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15
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9
7
5
2
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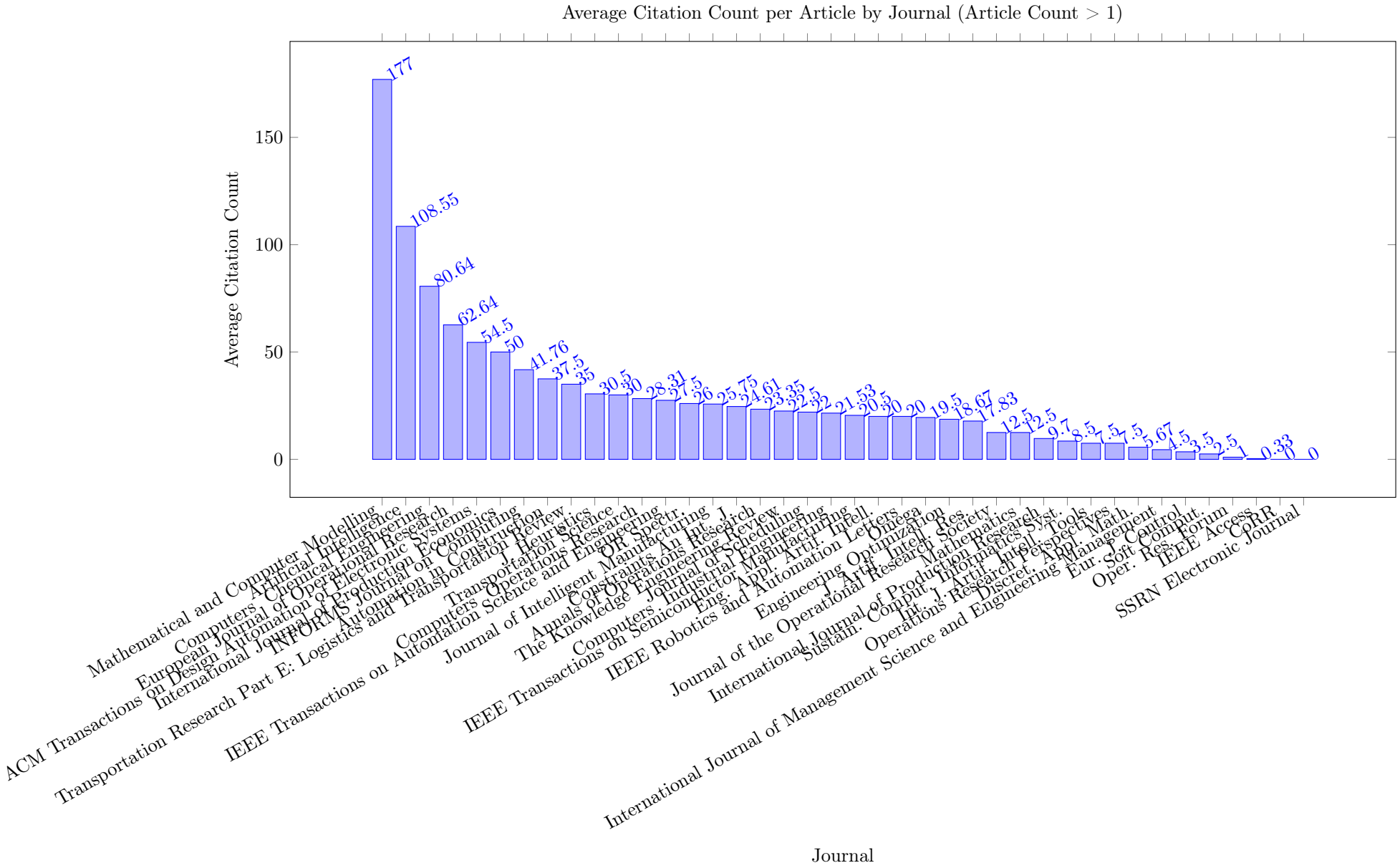
European Journal of Operational Research
Artificial Intelligence
Constraints An Int. J.
INFORMS Journal on Computing
Computers Chemical Engineering
Annals of Operations Research
Mathematical and Computer Modelling
Computers Industrial Engineering
Journal of Scheduling
ACM Transactions on Design Automation of Electronic Systems
Transportation Research Part E: Logistics and Transportation Review
International Journal of Intell. Res.
International Journal of Production Economics
Computers Manufacturing
Omega
Automation in Construction
Eng. Appl. Artif. Intell.
Transportation Science
Engineering Optimization
IEEE Transactions on Automation Science and Engineering
The Knowledge Engineering Review
IEEE Transactions on Semiconductor Manufacturing
IEEE Robotics and Automation Letters
Journal of the Operational Research Society
Sustain. Comput. Informatics Syst.
Int. J. Artif. Intell. Tools
Discret. Appl. Math.
Operations Research Perspectives
Eur. J. Control
Soft Comput.
Oper. Res. Forum
IEEE Access
CoRR
SSRN Electronic Journal
Journal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27.5
26
25.75
24.61
23.35
22.5
22
21.53
20.5
20
20
19.5
18.67
17.83
12.5
12.5
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8.5
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7.5
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3.5
2.5
1
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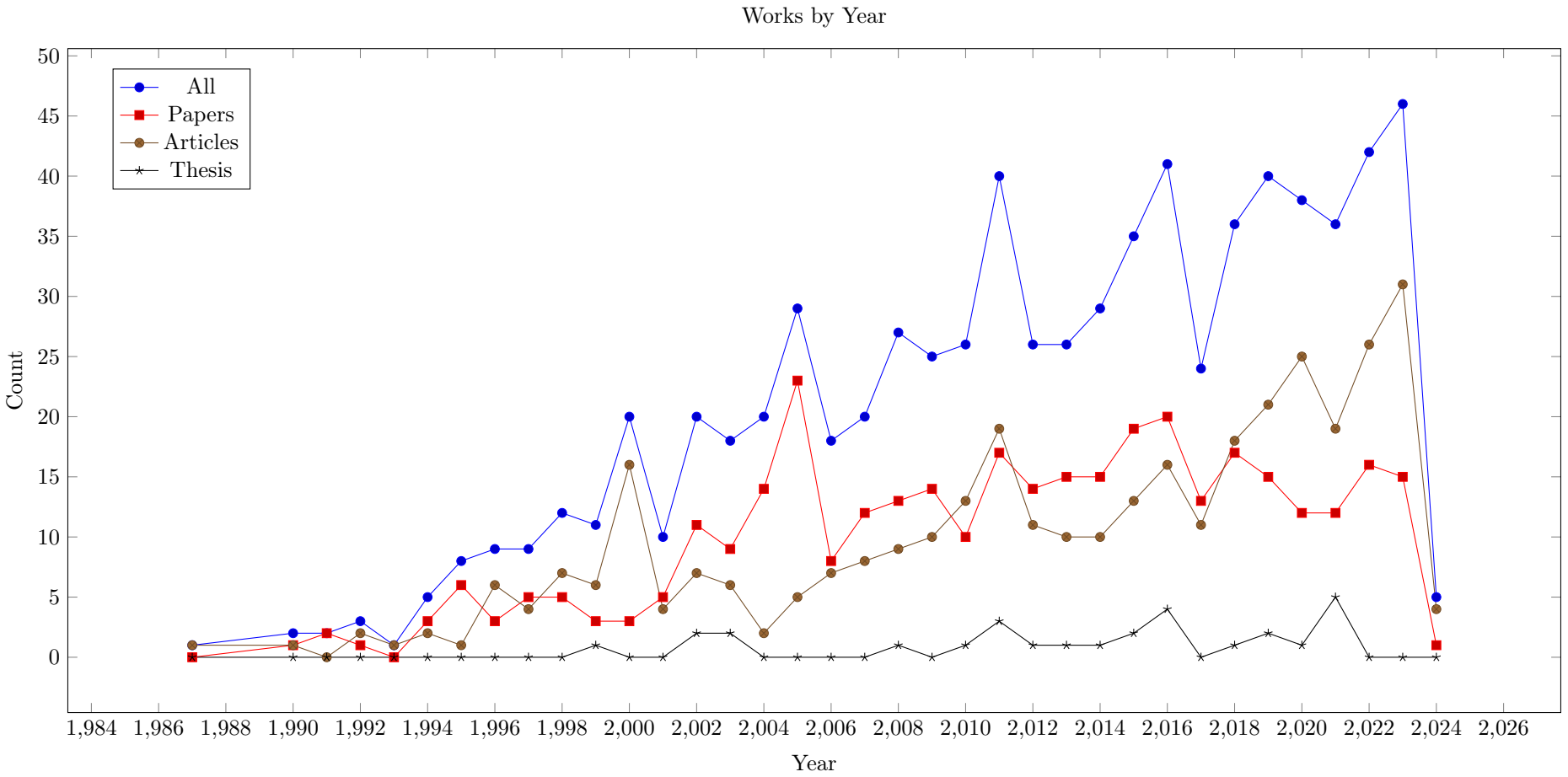
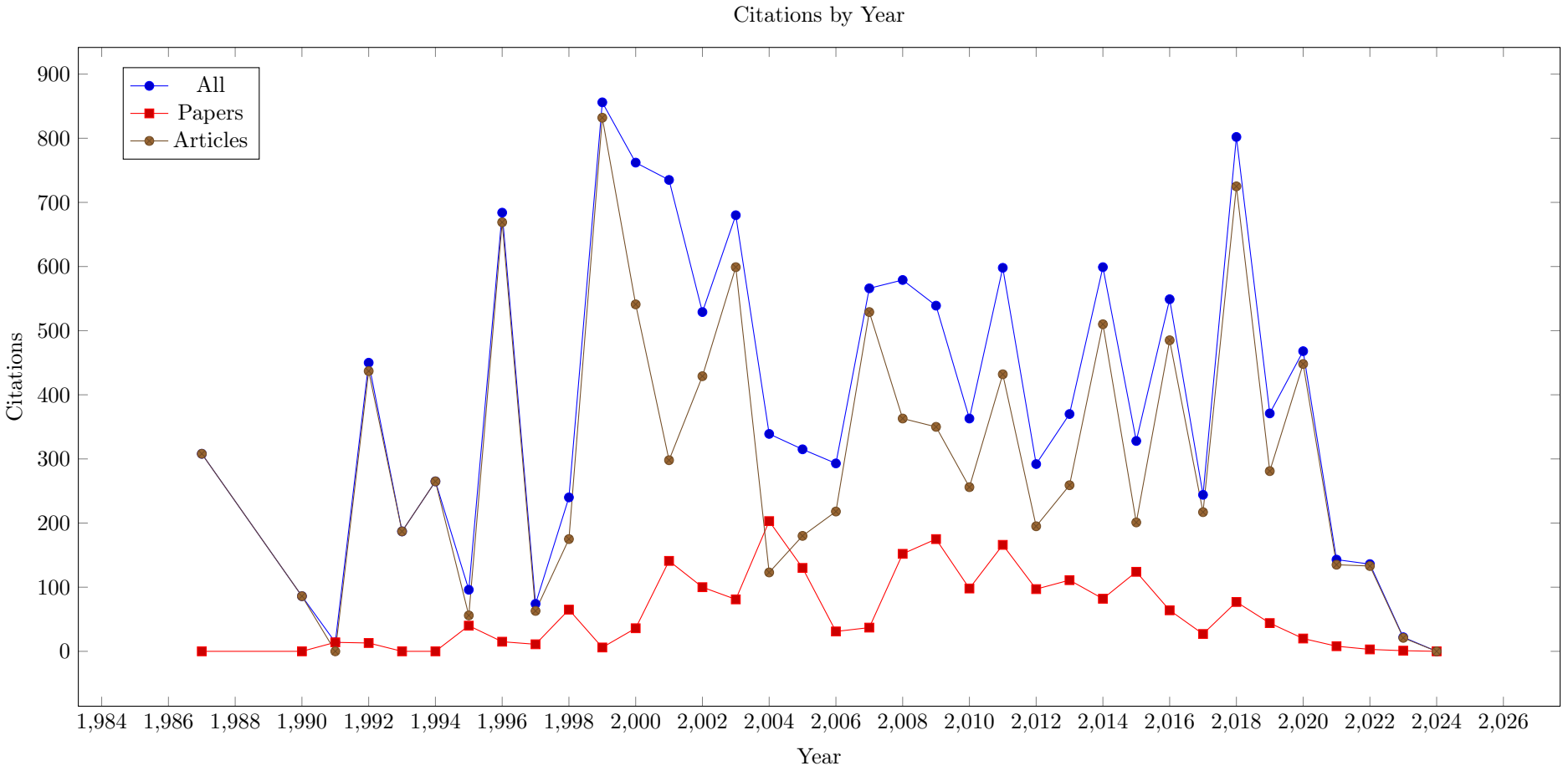
Mathematical and Computer Modelling
Artificial Intelligence
Computers
Chemical Engineering
European Journal of Operational Research
ACM Transactions on Design Automation of Electronic Systems
International Journal of Production Economics
Transportation Research Part E: Logistics and Transportation Review
INFORMS Journal on Computing
IEEE Transactions on Automation Science and Engineering
Automation in Construction
J. Heuristics
Transportation Science
Computers Operations Research
Operations Research
Journal of Intelligent Manufacturing
OR Spectr.
Constraints An Int. J.
Annals of Operations Research
The Knowledge Engineering Review
IEEE Transactions on Semiconductor Manufacturing
Journal of Scheduling
Industrial Engineering
Eng. Appl. Artif. Intell.
IEEE Robotics and Automation Letters
Omega
Computers Industrial Engineering
J. Artif. Intell. Res.
Engineering Optimization
Journal of the Operational Research Society
International Journal of Production Research
Sustain. Comput. Inform. Syst.
Int. J. Artif. Intell. Tools
Operations Research Perspectives
Discret. Appl. Math.
Eur. J. Soft Comput.
Oper. Res. Forum
IEEE Access
SSRN Electronic Journal

3 Works by Year




Citations by Year
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Citations
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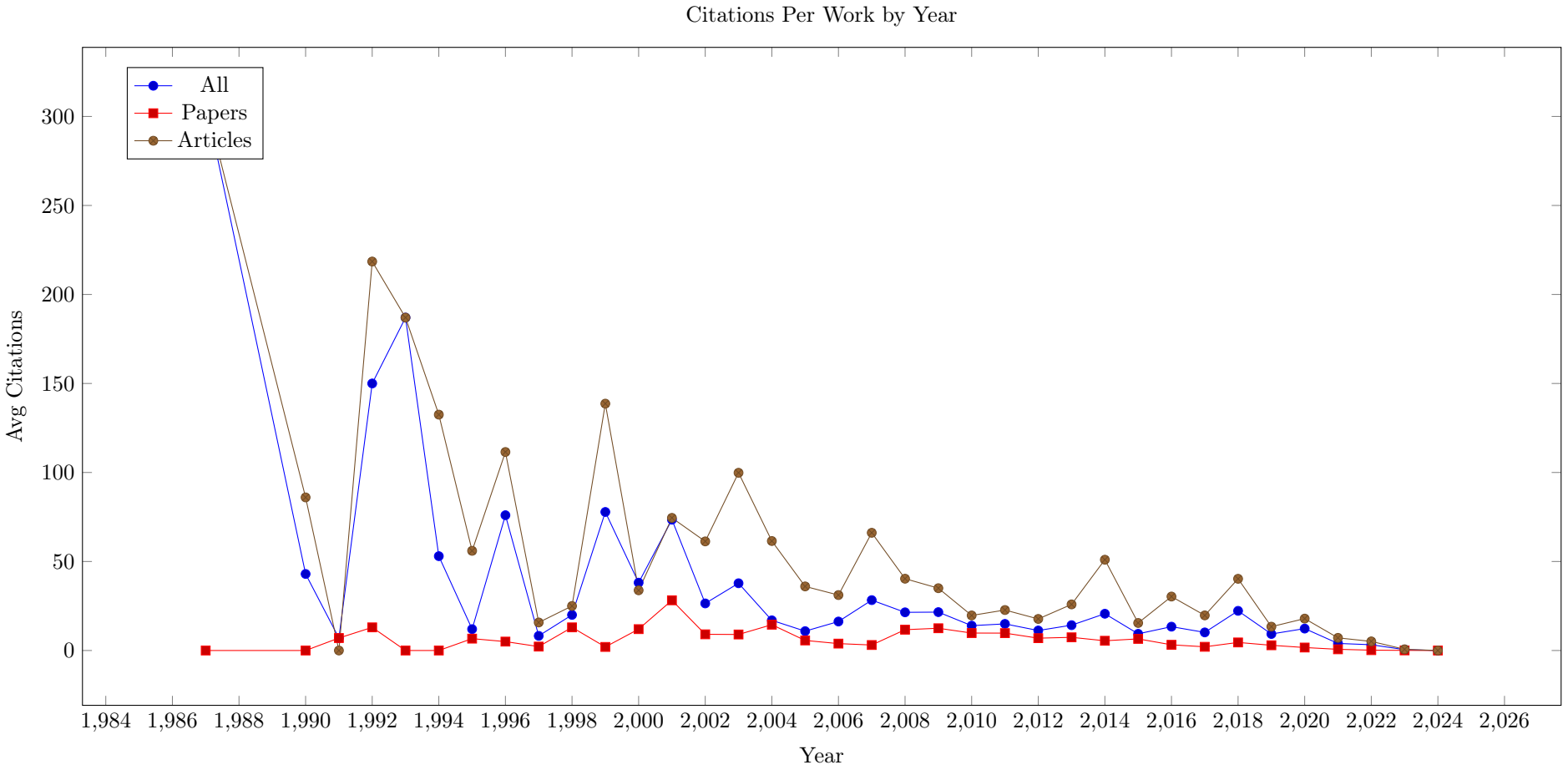
Year


Citations Per Work by Year
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Papers
Articles
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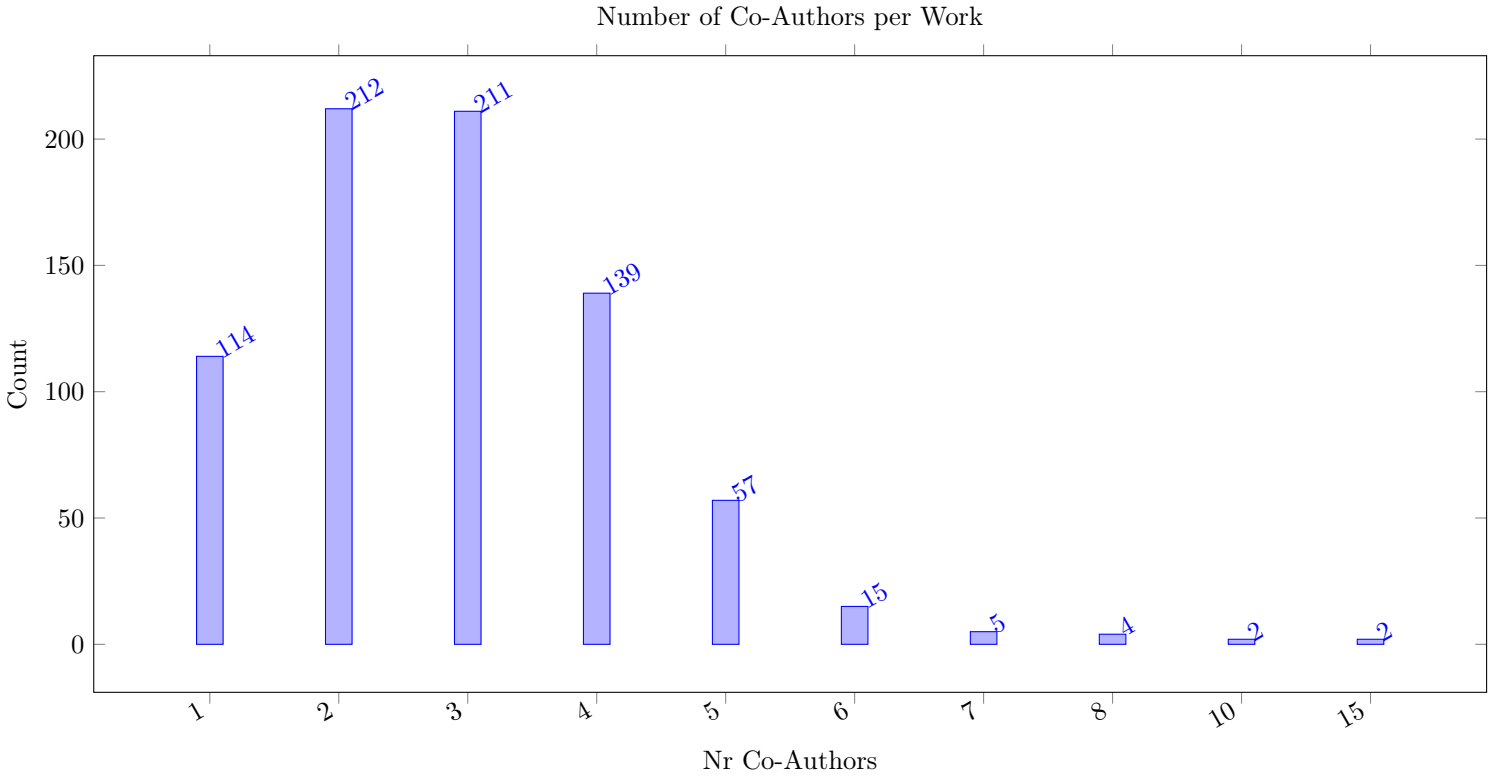
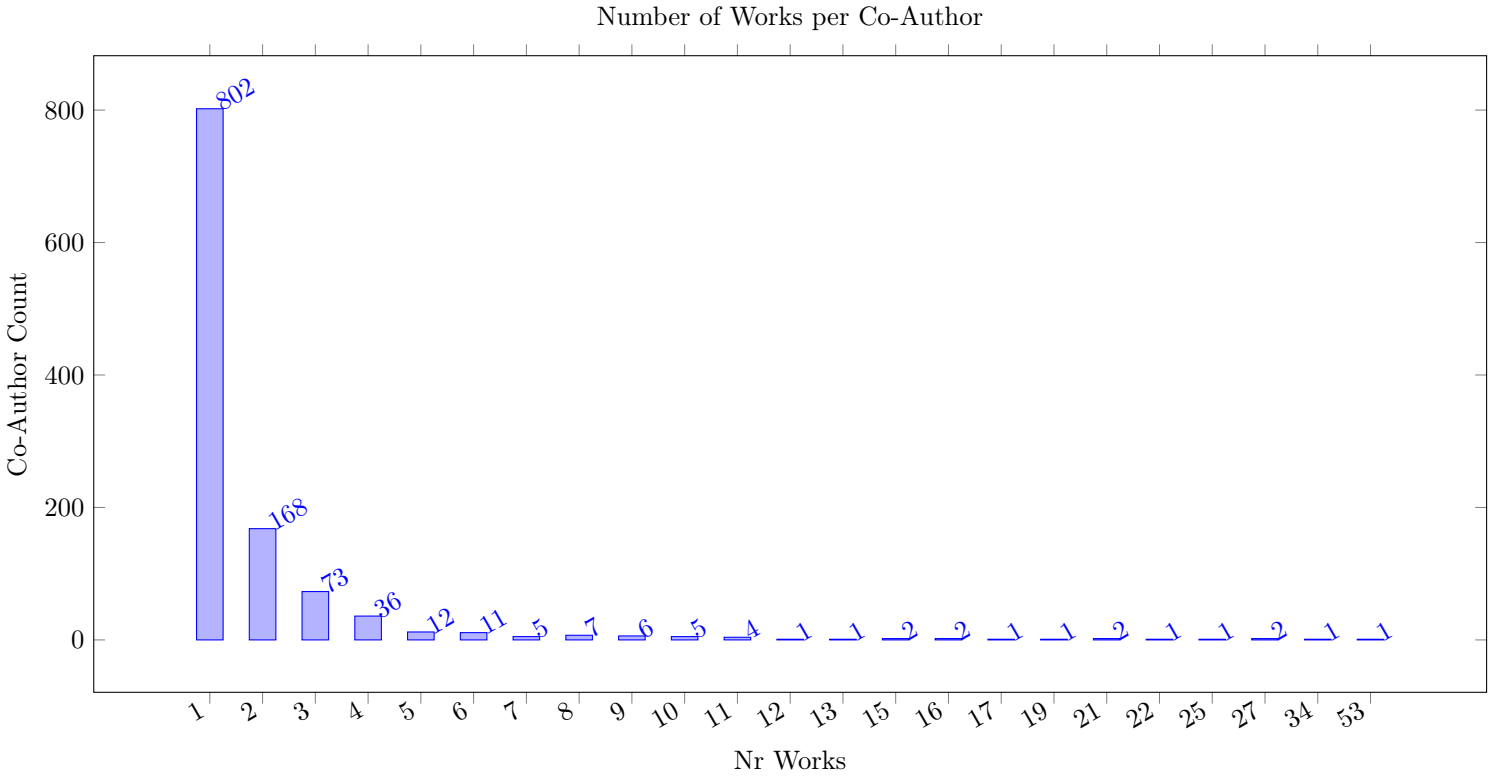
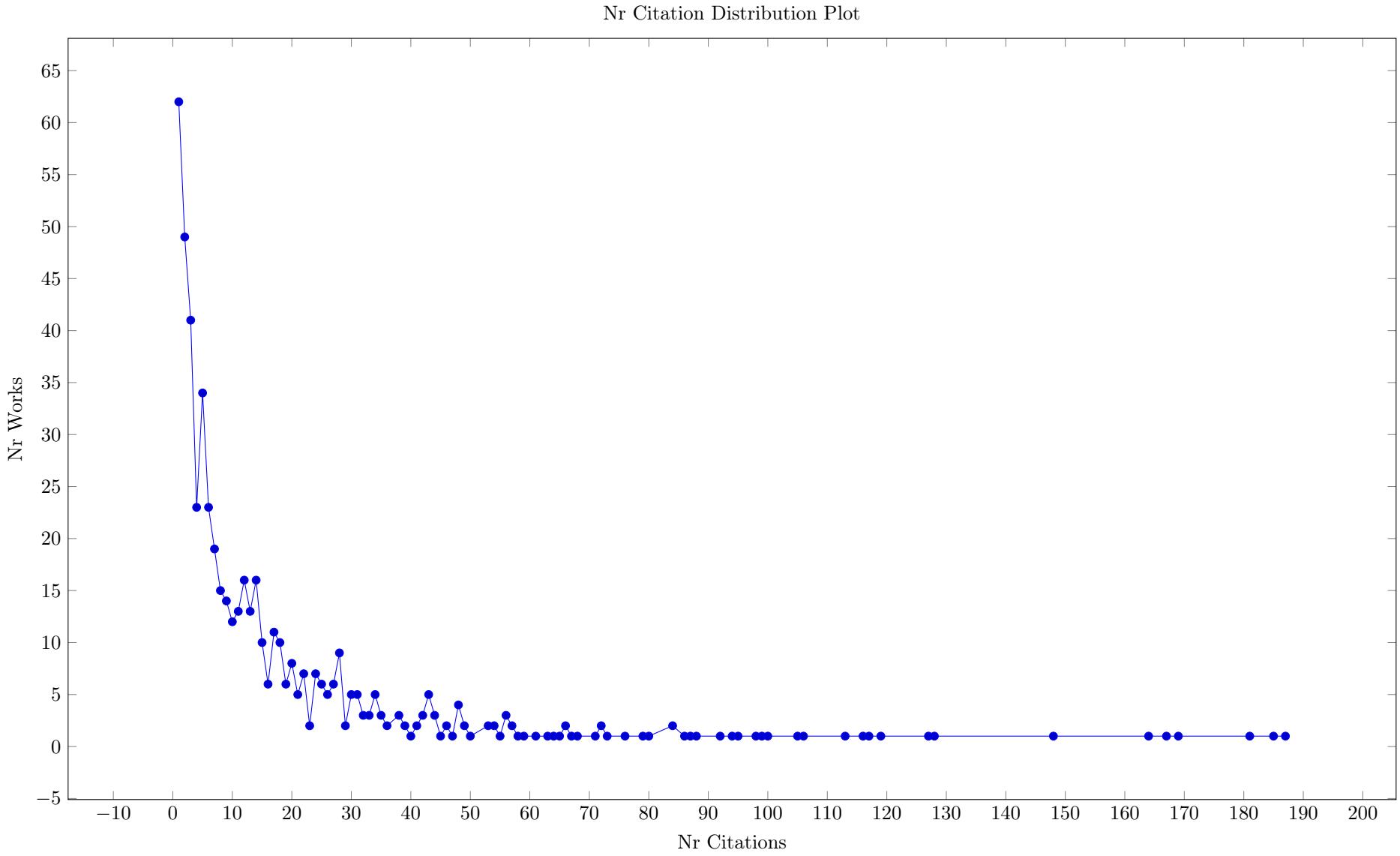
4 Number of Coauthors per Work



5 Number of Works per Author



6 Citation Distribution



7 Similarity Measures

The following distribution plot shows the similarity values between two works based on citations and references counts. If either work does not have citation and reference values, then the similarity is set to NaN. The total similarity count is the sum of the similarity for citations and for references. As value we compute the ratio of shared references (citations) to the sum of individual references (citations), multiplied by two. So both the citation and reference similarity range between zero and one, and the sum ranges between zero and two. High values are exceedingly rare, as they require both works to be citing the same papers, and being cited by the same papers.A larger values indicates that items are more similar according to this measure. In the plot we group values into 0.1 wide value bins, so an entry for 0.2 includes values from 0.15 to 0.25.

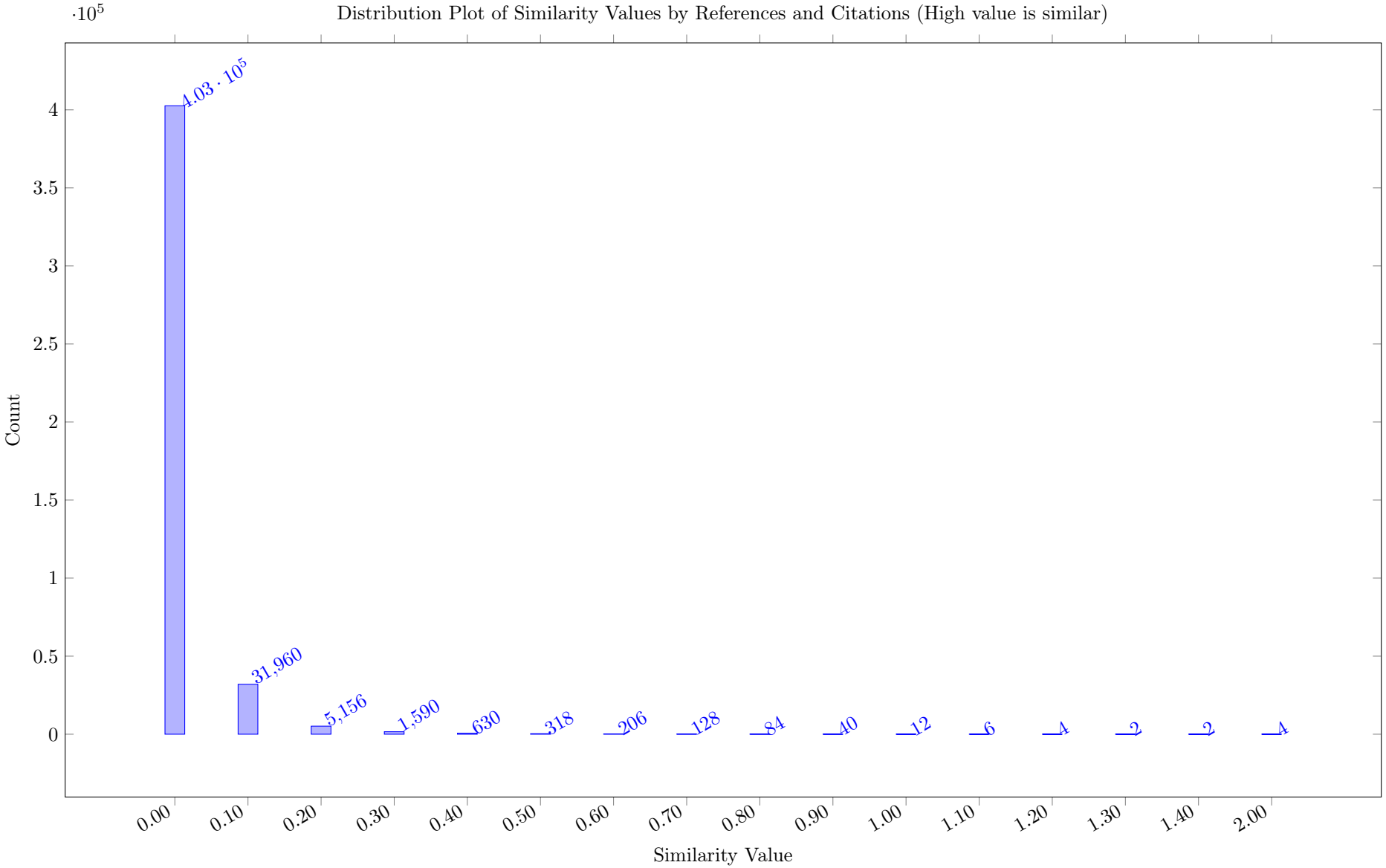
We observe that high values of this similarity are often found for two works by the same authors that are close in time, where we assumes that the bibliography is based on the same literature survey.

Table 1: Similarity Measure (*1000) based on References and Citations (high = similar)

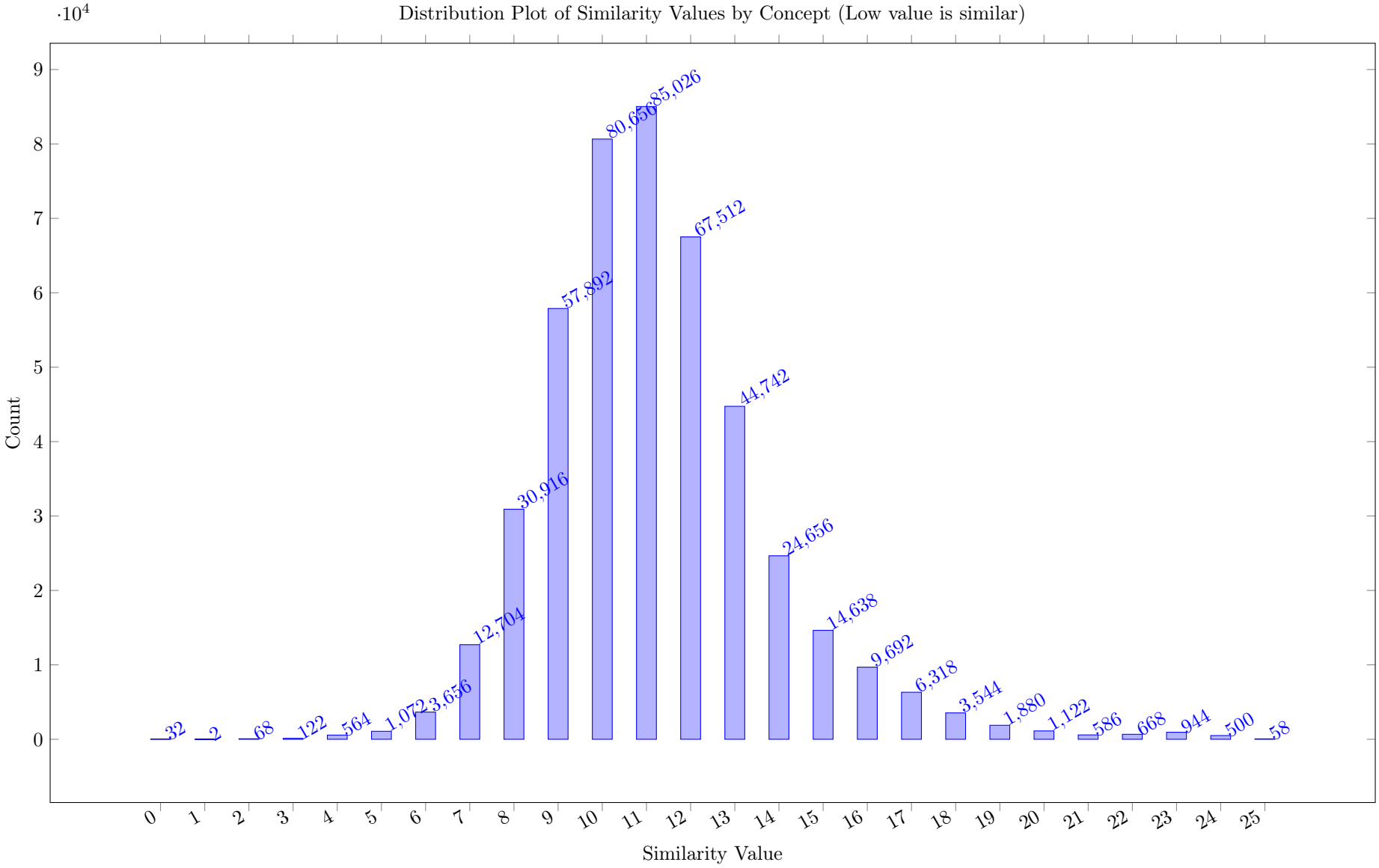
From/To	Total	Hooker05	OuelletQ13	KameugneFSN14	ChuX05	SchuttW10	CireCH16	Beck10	OuelletQ18	SchuttFS13a	CobanH11	Hooker05a	KameugneF13	CireCH13	Hooker07	AronHY2004	KameugneFSN11	Wolf03	HeinzKB13	GayHS15a	Hooker06	LetortCB15	MercierH08	Other
Total		34,653	34,116	33,220	31,536	31,405	30,960	30,330	30,133	29,232	28,439	27,690	27,468	27,436	27,361	26,563	25,933	25,924	25,878	25,673	25,673	25,478	25,425	
Hooker05	34,653	0	80	95	840	80	548	638	74	53	497	1,020	133	468	859	483	100	111	257	87	776	80	125	27,249
OuelletQ13	34,116	80	0	917	74	757	57	80	800	605	39	0	778	0	0	54	627	190	138	774	0	571	333	27,242
KameugneFSN14	33,220	95	917	0	87	732	65	95	872	555	43	0	595	0	0	61	632	118	80	455	0	417	477	26,924
ChuX05	31,536	840	74	87	0	74	483	521	69	50	508	702	118	639	593	347	91	100	214	80	712	74	111	25,049
SchuttW10	31,405	80	757	732	74	0	57	80	611	596	39	0	754	0	0	54	735	179	69	231	0	286	566	25,505
CireCH16	30,960	548	57	65	483	57	0	551	54	42	897	452	80	838	632	227	67	71	417	61	529	57	77	24,698
Beck10	30,330	638	80	95	521	80	551	0	74	53	576	503	133	476	387	351	100	111	154	87	491	80	125	24,664
OuelletQ18	30,133	74	800	872	69	611	54	74	0	510	38	0	800	0	0	51	554	174	65	500	0	333	253	24,301
SchuttFS13a	29,232	53	605	555	50	596	42	53	510	0	31	0	360	0	0	40	296	123	190	308	0	293	293	24,834
CobanH11	28,439	497	39	43	508	39	897	576	38	31	0	431	49	835	659	267	43	45	192	41	743	39	48	22,379
Hooker05a	27,690	1,020	0	0	702	0	452	503	0	0	431	0	0	485	725	494	0	0	160	0	726	0	0	21,992
KameugneF13	27,468	133	778	595	118	754	80	133	800	360	49	0	0	0	0	74	769	182	105	125	0	222	433	21,758
CireCH13	27,436	468	0	0	639	0	838	476	0	0	835	485	0	0	688	323	0	0	316	0	737	0	0	21,631
Hooker07	27,361	859	0	0	593	0	632	387	0	0	659	725	0	688	0	326	0	0	198	0	860	0	0	21,434
AronHY2004	26,563	483	54	61	347	54	227	351	51	40	267	494	74	323	326	0	63	67	158	57	337	54	71	22,604
KameugneFSN11	25,933	100	627	632	91	735	67	100	554	296	43	0	769	0	0	63	0	125	83	286	0	261	440	20,661
Wolf03	25,924	111	190	118	100	179	71	111	174	123	45	0	182	0	0	67	125	0	91	211	0	286	167	23,573
HeinzKB13	25,878	257	138	80	214	69	417	154	65	190	192	160	105	316	198	158	83	91	0	74	143	69	100	22,605
GayHS15a	25,673	87	774	455	80	231	61	87	500	308	41	0	125	0	0	57	286	211	74	0	0	462	118	21,716
Hooker06	25,673	776	0	0	712	0	529	491	0	0	743	726	0	737	860	337	0	0	143	0	0	0	0	19,619
LetortCB15	25,478	80	571	417	74	286	57	80	333	293	39	0	222	0	0	54	261	286	69	462	0	0	105	21,789
MercierH08	25,425	125	333	477	111	566	77	125	253	293	48	0	433	0	0	71	440	167	100	118	0	105	0	21,583
Hooker04	25,081	893	39	0	622	38	370	469	0	34	299	1,114	0	313	662	520	0	0	208	0	649	0	28	18,823
Vilim09	24,877	155	604	608	118	860	80	133	429	287	49	0	694	0	0	74	837	237	164	125	0	111	643	18,669
SchuttFSW11	24,323	0	303	367	0	493	0	79	237	646	0	46	148	0	25	0	188	29	30	204	0	216	135	21,177
CobanH10	24,111	378	0	0	364	0	617	471	0	0	478	572	0	667	431	268	0	0	167	0	669	0	0	19,029
GrimesH15	24,018	38	36	78	37	36	32	38	35	29	26	0	89	0	10	31	80	208	36	38	0	73	87	22,981
LetortBC12	23,838	0	851	689	0	541	0	87	381	468	0	0	250	0	0	0	415	105	0	507	0	615	280	18,649
KameugneFGOQ18	23,703	87	538	455	80	374	61	87	714	359	41	0	411	0	0	57	536	105	74	667	0	308	178	18,571
BeldiceanuC02	23,615	100	352	313	91	261	67	100	314	224	43	63	308	0	0	63	311	386	167	243	0	261	327	19,621
Wolf05	23,159	105	273	111	95	182	69	105	167	57	44	0	167	0	0	65	118	800	87	200	0	273	154	20,087
LetortCB13	23,144	95	500	400	87	333	65	95	231	270	43	0	286	0	0	61	516	235	80	364	0	833	133	18,517
SimonisH11	23,085	100	522	316	91	261	67	100	320	167	43	0	308	0	0	63	333	250	167	286	0	348	143	19,200
SchuttFSW15	23,042	51	286	211	49	190	41	51	227	647	31	0	125	0	0	39	162	57	186	200	0	190	61	20,238
Colombani96	22,980	0	105	267	0	0	0	0	95	63	0	0	0	0	0	0	143	467	0	118	0	105	256	21,361
GrimesHM09	22,862	87	77	91	80	77	61	87	71	51	41	0	125	0	10	57	95	211	74	83	0	77	118	21,289
YunesAH10	22,676	290	38	42	262	38	321	386	37	31	394	385	48	405	308	621	43	44	134	40	384	38	47	18,340
SadykovW06	22,658	341	100	125	279	100	148	267	91	61	161	258	200	111	186	171	133	154	95	111	199	100	182	19,085
DorndorfHP99	22,311	0	59	133	0	0	0	0	56	85	0	0	0	0	0	0	69	148	0	63	0	59	160	21,479
Vilim09a	21,928	158	382	286	118	675	80	133	505	307	49	47	711	0	10	74	562	182	105	125	63	111	400	16,845
VilimBC05	21,596	147	105	267	111	105	77	125	95	111	48	39	222	0	10	71	286	229	100	118	50	105	400	18,775
CambazardHDJT04	21,490	492	0	0	438	0	260	327	0	0	373	602	0	333	371	345	0	0	143	0	462	0	0	17,344
Other		23,732	22,072	22,165	22,127	20,941	22,282	21,524	20,296	20,937	20,216	18,866	17,666	19,802	19,411	20,024	15,834	19,726	20,588	18,224	17,143	17,966	17,851	

Table 2: Similarity Measure based on Extracted Concepts (low = similar)

From/To	Total	Petropoulos23	ZarandiASC20	Groleaz21	Dejemeppe16	Baptiste02	Malapert11	Froger16	Lunardi20	Siala15a	Lombardi10	Godet21a	Astrand21	LaborieRSV18	Siala15	NaderiRR23	LacknerMMWW23	Lemos21	Schutt11	Fahimi16	KoehlerBFFHPSSS21	IsikYA23	HartmannB10	HarjunkoskiMBC14	HartmannB22
Total	15,590	14,543	12,904	12,638	12,112	12,078	11,638	11,310	11,305	11,238	11,132	10,969	10,941	10,820	10,650	10,463	10,457	10,445	10,419	10,382	10,351	10,117	10,089	10,083	1
Petropoulos23	15,590	0	21	23	24	25	25	22	23	25	22	23	21	22	25	23	24	20	24	24	23	23	21	21	21	
ZarandiASC20	14,543	21	0	18	20	19	21	22	18	24	21	21	18	21	24	20	22	21	22	21	23	18	18	20	18	
Groleaz21	12,904	23	18	0	18	17	19	20	16	20	17	19	16	17	20	15	18	20	19	18	20	17	17	18	18	
Dejemeppe16	12,638	24	20	18	0	17	17	21	17	19	17	19	17	18	19	19	18	20	16	16	19	17	16	19	17	
Baptiste02	12,112	25	19	17	17	0	17	22	19	19	16	17	16	18	19	17	19	21	16	15	20	18	16	19	17	
Malapert11	12,078	25	21	19	17	17	0	21	18	18	18	17	17	18	18	18	19	20	15	14	19	18	18	18	19	
Froger16	11,638	22	22	20	21	22	21	0	18	22	19	20	18	20	21	20	19	17	20	19	20	18	19	17	17	
Lunardi20	11,310	23	18	16	17	19	18	18	0	19	19	18	14	17	19	15	17	18	18	18	18	13	17	16	17	
Siala15a	11,305	25	24	20	19	19	18	22	19	0	19	17	19	19	5	18	19	19	17	17	18	19	19	19	20	
Lombardi10	11,238	22	21	17	17	16	18	19	19	19	0	17	16	17	19	18	19	19	14	15	19	18	15	16	15	
Godet21a	11,132	23	21	19	19	17	17	20	18	17	17	0	17	17	17	17	18	19	15	15	17	18	17	19	18	
Astrand21	10,969	21	18	16	17	16	17	18	14	19	16	17	0	16	18	17	18	17	16	15	18	15	16	15	16	
LaborieRSV18	10,941	22	21	17	18	18	18	20	17	19	17	17	16	0	18	16	17	18	17	16	17	17	17	15	17	
Siala15	10,820	25	24	20	19	19	18	21	19	5	19	17	18	18	0	18	19	18	17	16	17	19	18	18	19	
NaderiRR23	10,650	23	20	15	19	17	18	20	15	18	18	17	17	16	18	0	16	18	18	17	17	14	17	17	17	
LacknerMMWW23	10,463	24	22	18	18	19	19	19	17	19	19	18	18	17	19	16	0	17	19	19	16	15	17	17	18	
Lemos21	10,457	20	21	20	20	21	20	17	18	19	19	19	17	18	18	18	17	0	19	18	16	17	17	16	17	
Schutt11	10,445	24	22	19	16	16	15	20	18	17	14	15	16	17	17	18	19	19	0	13	18	18	15	18	16	
Fahimi16	10,419	24	21	18	16	15	14	19	18	17	15	15	15	16	16	17	19	18	13	0	18	18	16	17	17	
KoehlerBFFHPSSS21	10,382	23	23	20	19	20	19	20	18	18	19	17	18	17	17	17	16	16	18	18	0	17	19	17	19	
IsikYA23	10,351	23	18	17	17	18	18	18	13	19	18	18	15	17	19	14	15	17	18	18	17	0	16	17	15	
HartmannB10	10,117	21	18	17	16	16	18	19	17	19	15	17	16	17	18	17	17	17	15	16	19	16	0	16	10	
HarjunkoskiMBC14	10,089	21	20	18	19	19	18	17	16	19	16	19	15	15	18	17	17	16	18	17	17	17	16	0	16	
HartmannB22	10,083	21	18	18	17	17	19	17	17	20	15	18	16	17	19	17	18	17	16	17	19	15	10	16	0	
ArmstrongGOS21	10,061	25	22	19	19	19	17	19	15	19	19	18	17	17	18	17	16	18	17	17	16	15	18	18	17	
LacknerMMWW21	10,045	24	23	18	18	19	20	19	17	19	19	18	18	17	19	16	5	18	19	18	15	15	17	17	17	
PrataAN23	9,904	22	16	16	16	16	17	18	15	19	16	17	14	17	18	14	16	18	17	15	18	13	14	15	14	
ColT22	9,685	23	19	16	17	16	17	19	13	18	17	16	15	15	18	14	13	16	17	16	14	13	16	16	16	
MengZRZL20	9,618	23	18	17	19	17	17	19	13	18	18	18	15	16	18	12	15	17	18	17	17	10	16	16	16	
HookerH17	9,578	22	22	20	18	18	18	18	19	17	16	17	17	17	16	17	17	17	16	15	17	17	17	16	17	
GrimesH15	9,565	24	19	16	16	15	15	19	15	16	16	16	15	15	15	12	15	18	15	14	17	13	15	15	16	
AbreuNP23	9,527	24	20	18	19	18	18	19	15	18	18	18	16	17	18	13	16	17	17	17	17	13	16	16	16	
Beck99	9,446	22	20	18	16	16	16	18	17	18	14	17	14	16	17	17	17	16	14	14	16	15	14	15	14	
YunusogluY22	9,436	22	18	17	17	17	17	17	13	18	17	17	15	16	18	14	15	16	17	17	17	11	13	15	13	
WinterMMW22	9,354	23	22	19	20	19	20	18	16	19	18	18	17	17	19	14	14	16	18	18	17	15	16	16	17	
MilanoW09	9,277	23	22	19	18	18	18	17	18	18	17	17	17	17	17	17	17	16	16	16	17	17	16	14	16	
AbreuPNF23	9,259	22	18	17	17	17	17	17	14	18	17	17	14	16	18	13	16	16	16	16	17	12	14	16	14	
AbreuN22	9,258	23	19	17	17	17	16	16	14	18	17	18	15	16	17	13	15	16	16	16	17	12	15	16	15	
MejiaY20	9,227	24	19	18	18	17	17	17	14	18	18	17	16	18	17	14	16	17	16	17	17	12	15	16	15	
LombardiM12	9,208	21	19	16	16	15	18	17	17	17	13	16	14	14	17	14	17	17	14	14	17	16	12	14	12	
GuoZ23	9,136	20	22	20	21	21	20	17	17	19	18	19	17	17	18	16	17	15	19	18	16	17	17	15	17	
BlazewiczDP96	9,131	23	19	16	16	15	16	18	15	18	15	15	14	17	17	16	16	17	15	14	15	14	13	15	15	
Nattaf16	9,126	24	22	18	19	17	17	18	17	17	17	17	17	17	16	16	16	17	16	16	17	15	15	17	16	
Caballero19	9,101	23	22	19	18	17	18	19	18	16	15	14	17	17	16	17	17	17	12	15	17	17	15	17	15	
Zahout21	9,095	22	20	18	18	18	18	18	16	18	16	16	16	17	18	15	16	15	16	17	17	15	15	16	14	
KamyarnT14	9,079	25	23	20	19	17	16	19	19	17	16	16	17	17	16	17	18	17	13	13	18	18	16	18	17	
MullerMKP22	9,043	22	20	18	19	19	18	18	15	18	18	16	16	16	17	16	15	16	17	16	14	15	16	15	17	
BartakSR10	9,022	23	20	17	16	14	15	19	15	17	15	15	15	16	17	15	17	18	14	12	16	15	14	15	15	
JuvinHHL23	9,012	25	22	18	18	16	16	19	16	16	17	14	17	16	15	14	17	17	15	14	16	16	16	17	17	
YuraszeckMPV22	8,996	23	19	17	19	16	17	17	15	18	17	17	15	17	17	14	16	17	17	16	16	14	16	15	16	
SacramentoSP20	8,973	22	21	17	18	19	18	16	14	18	17	17	15	15	18	14	15	15	16	16	16	14	15	15	15	


Distribution Plot of Similarity Values by References and Citations (High value is similar)
$\cdot 10^5$
Count
Similarity Value
0
0.5
1
1.5
2
2.5
3
3.5
4
0.00
0.10
0.20
0.30
0.40
0.50
0.60
0.70
0.80
0.90
1.00
1.10
1.20
1.30
1.40
2.00
$4.03 \cdot 10^5$
31,960
5,156
1,590
630
318
206
128
84
40
12
6
4
2
2
4

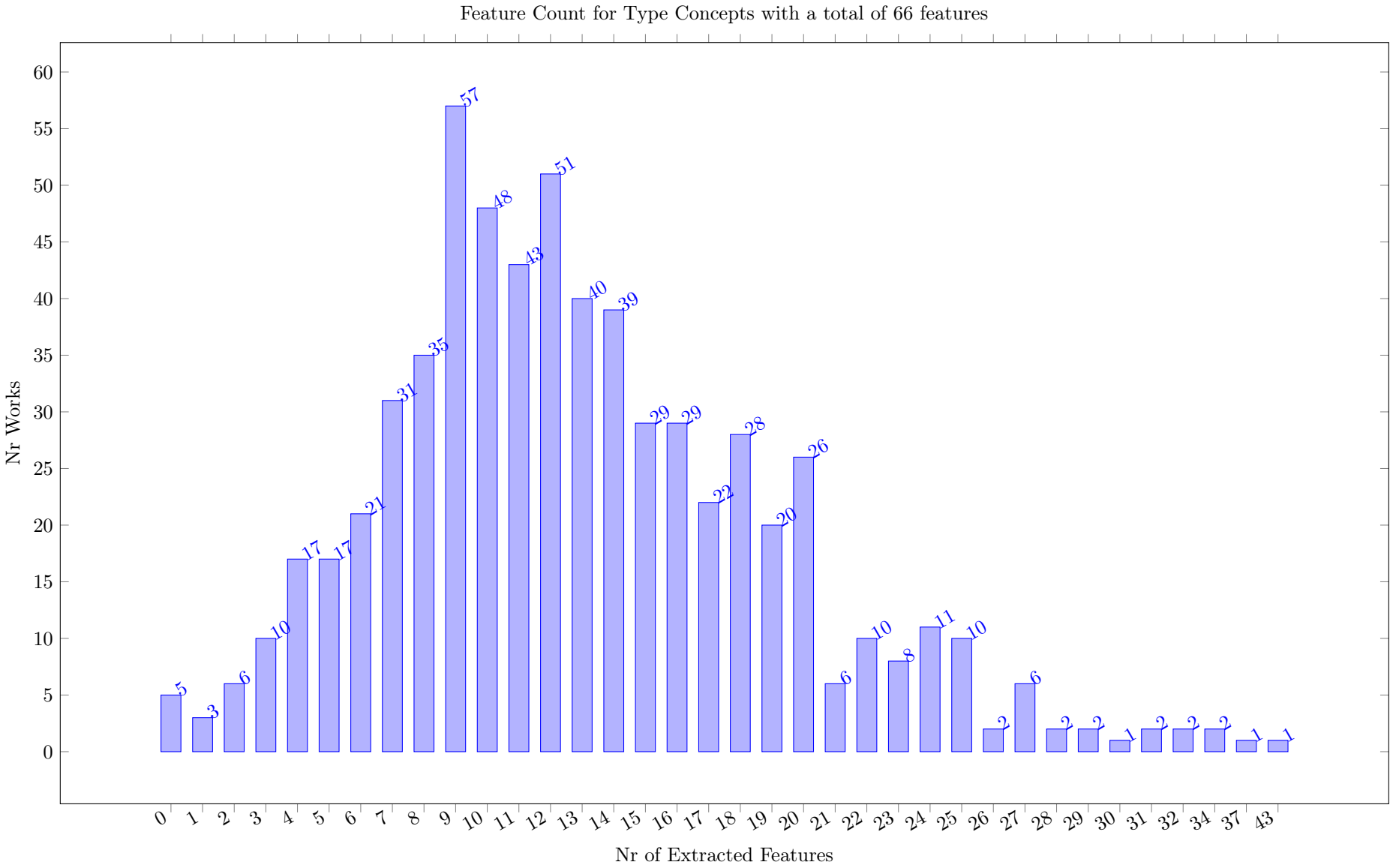
The similarity by concept uses the Euclidean distance between the feature vectors for two works. We translate the MatchLevel for each Concept into a linear scale, and then calculate the distances as the square root of the sum of squared differences for each feature. The distribution plot below rounds the distances to integer values. Similarity values of this type are only calculated when both works have a local copy, from which we extract the features. If either work does not have a local copy, the similarity is set to be NaN.

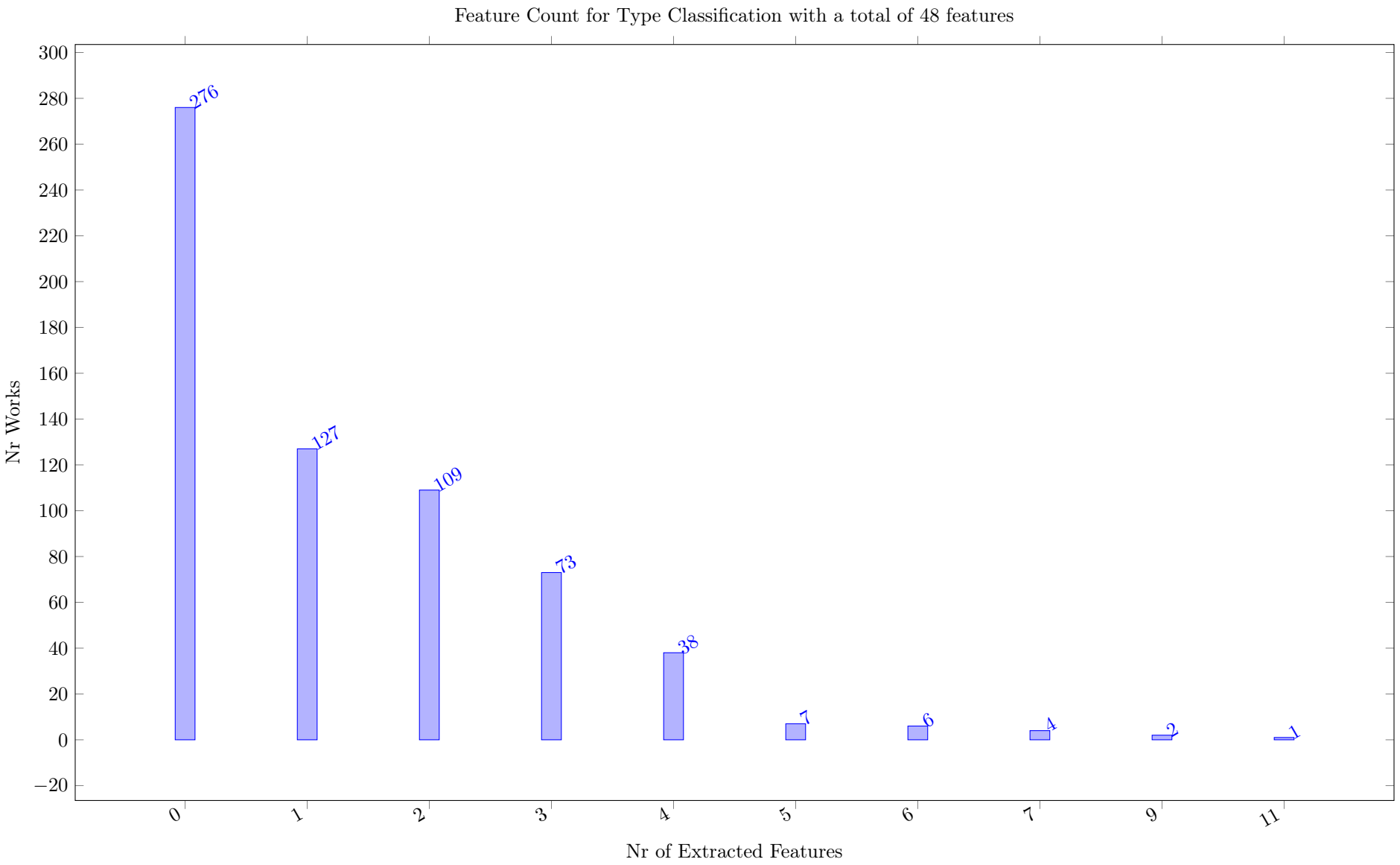

Distribution Plot of Similarity Values by Concept (Low value is similar)
$\cdot 10^4$
Count
Similarity Value
0 1 2 3 4 5 6 7 8 9
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25
32
2
68
122
564
1,072
3,656
12,704
30,916
57,892
80,656
85,026
67,512
44,742
24,656
14,638
9,692
6,318
3,544
1,880
1,122
586
668
944
500
58

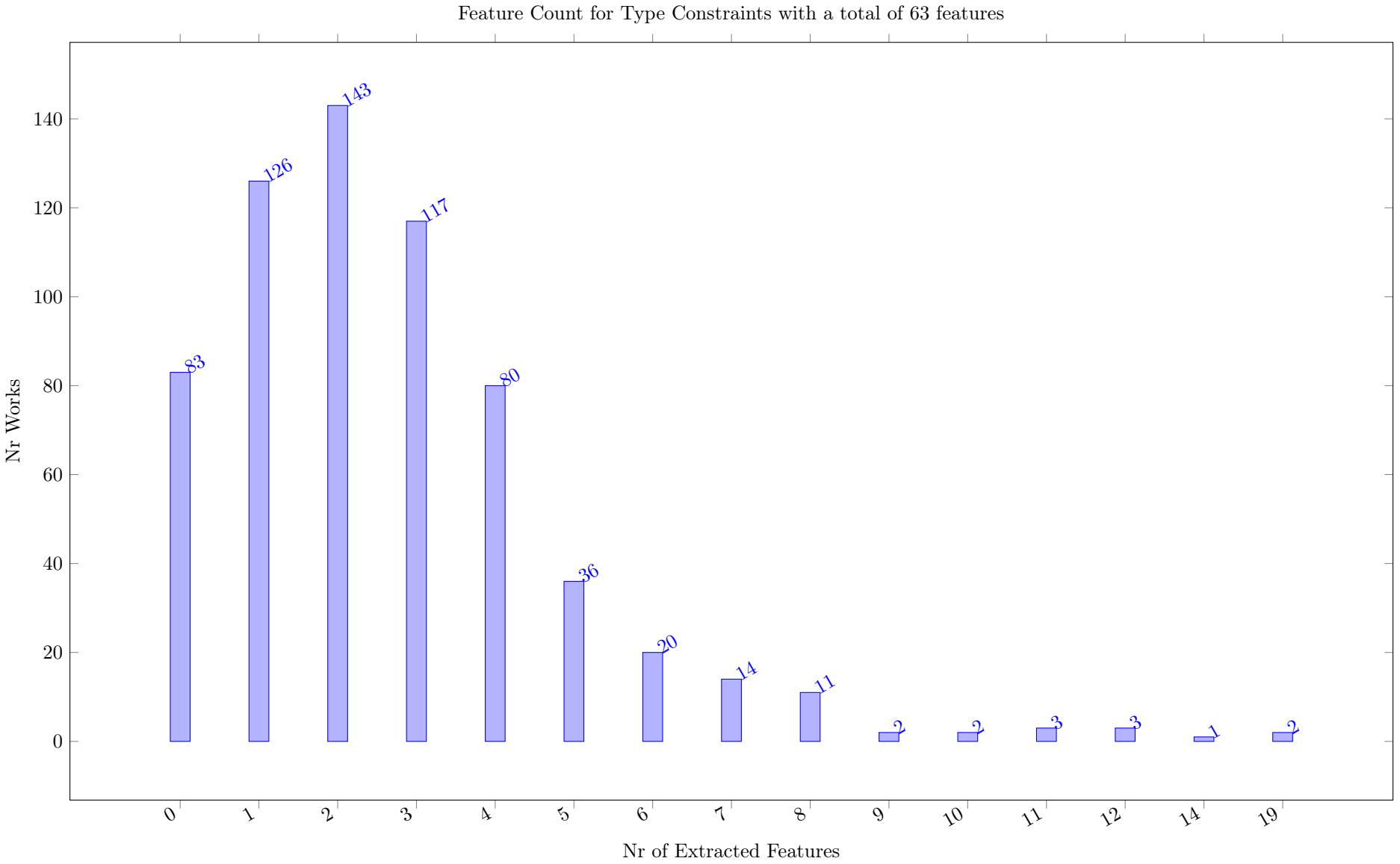
8 Concept Distribution

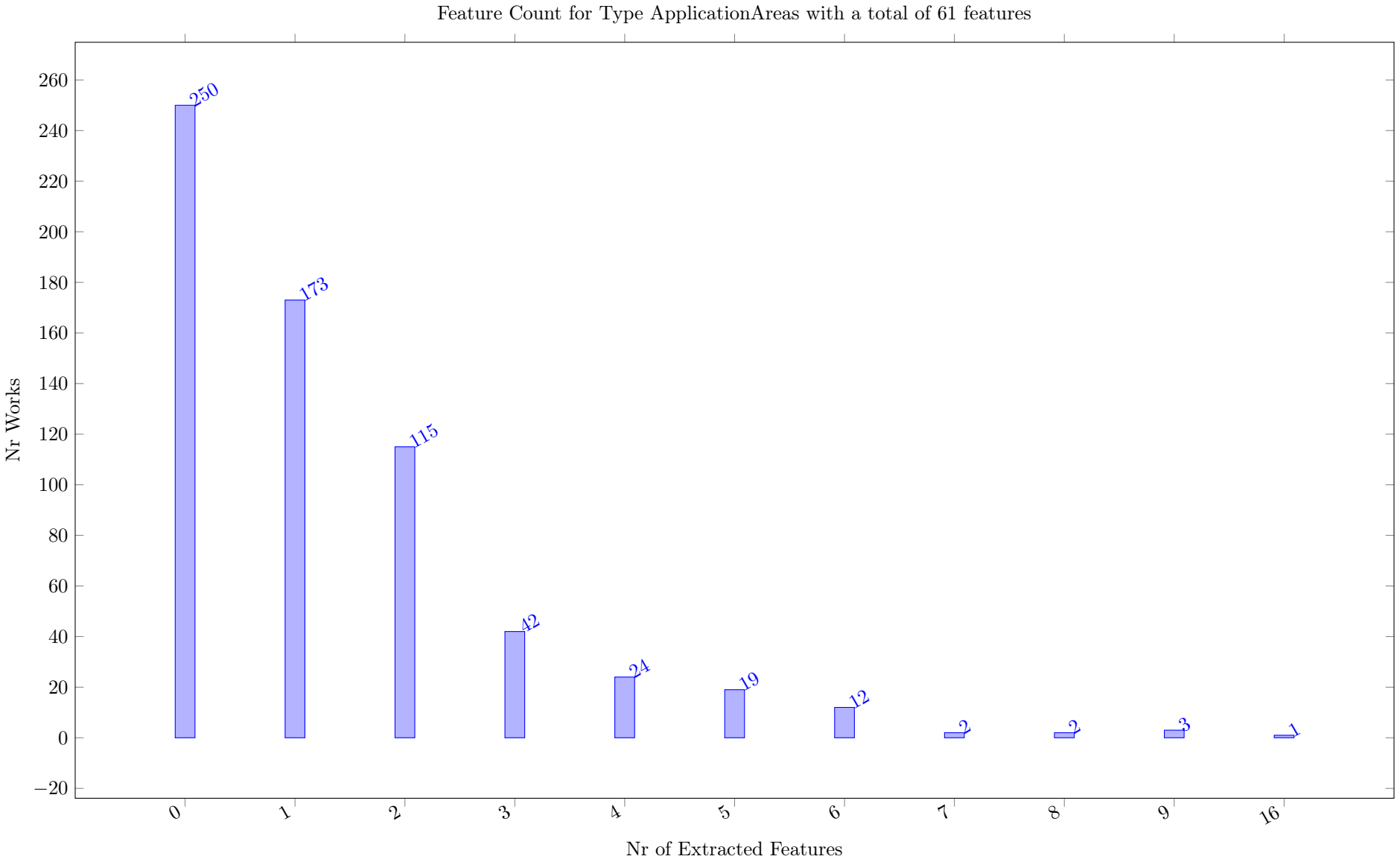
For each concept type, we count how many features are extracted by the individual works that do have a local copy, e.g. for which we can extract features. We can compare the number of features extracted to the number of concepts of a given type, which is stated in the title of the diagram.

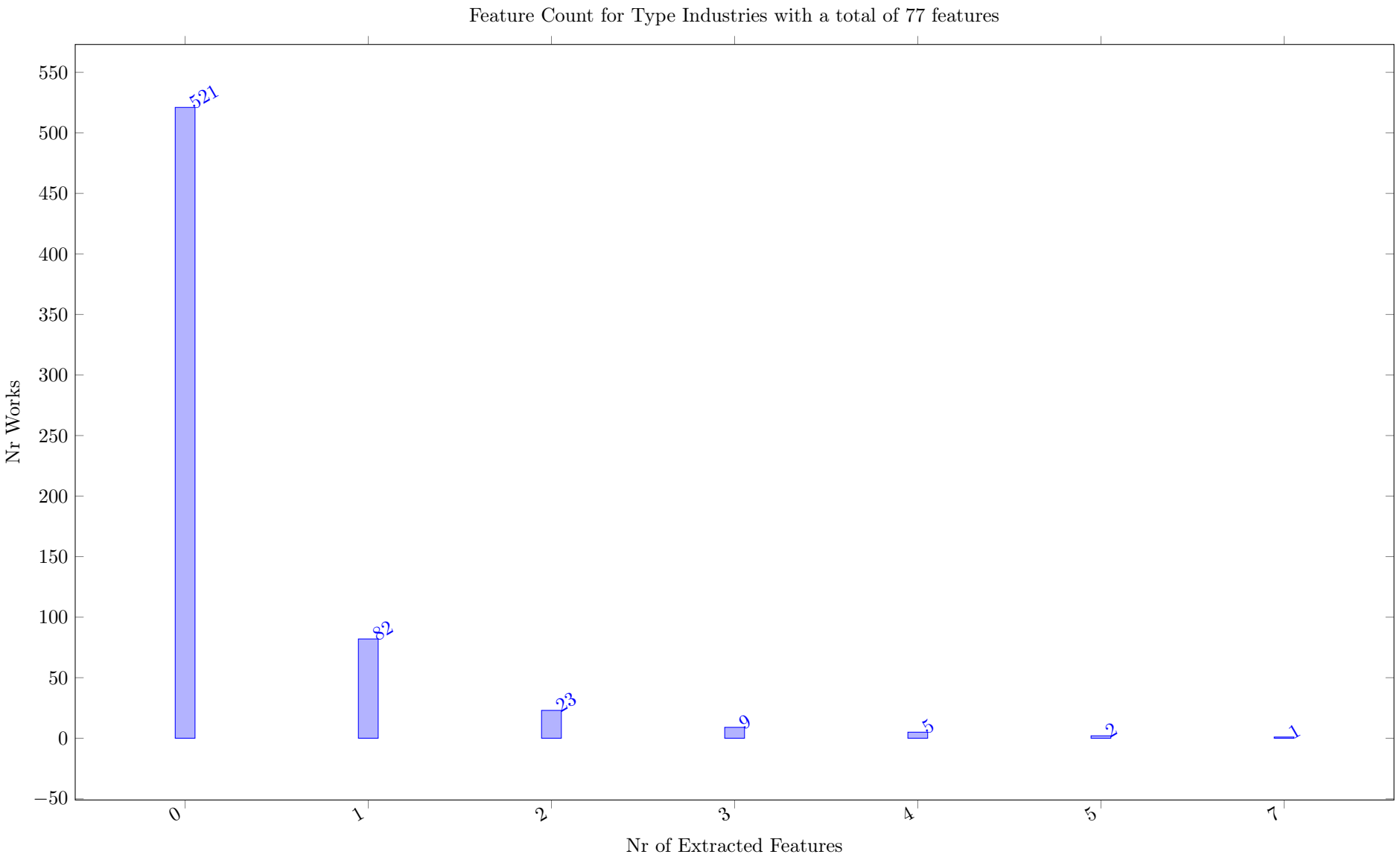
A high count indicates that a work covers many of the concepts of the given type, a low count might mean that our ontology does not have relevant concepts for that work.

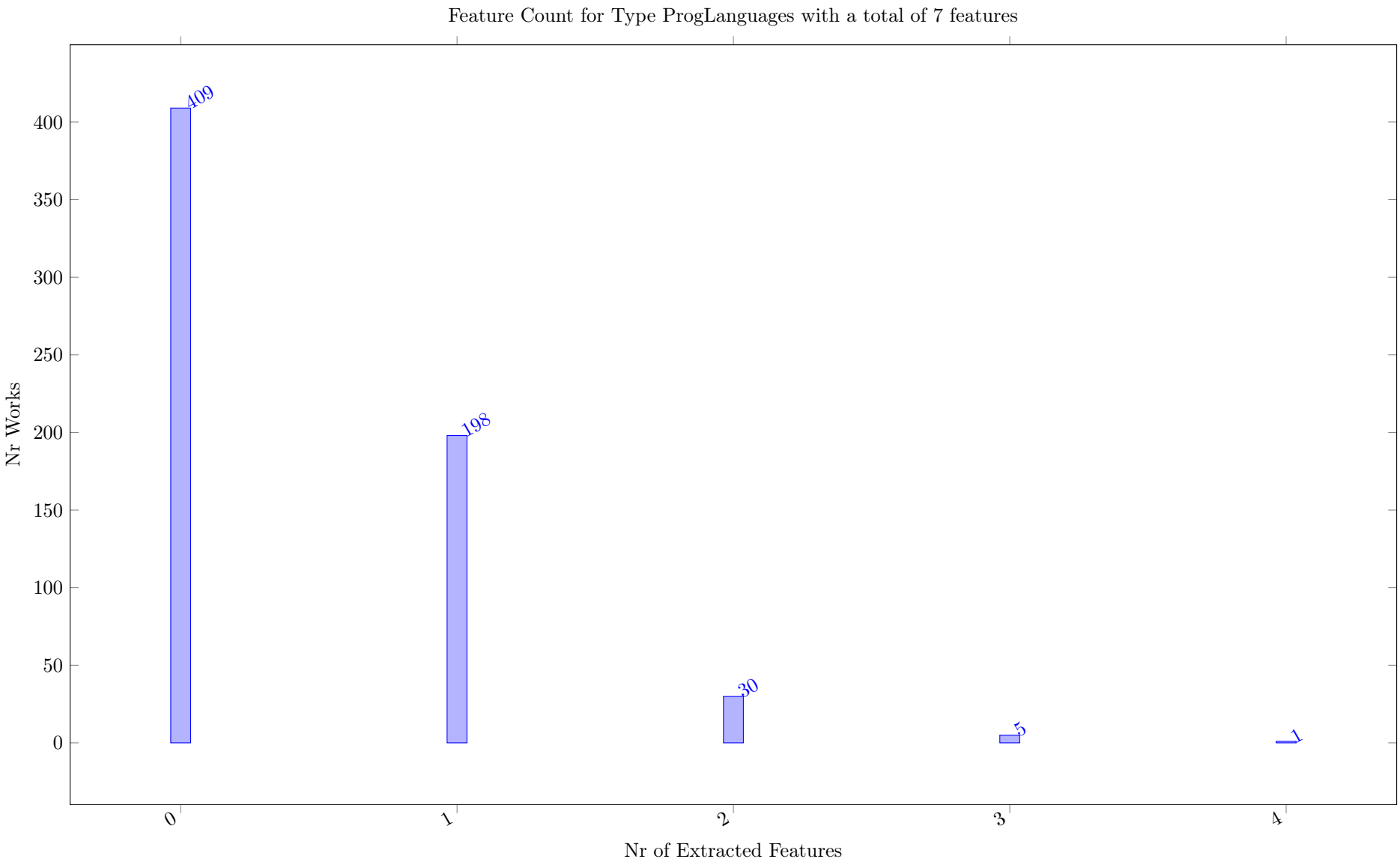

Feature Count for Type Concepts with a total of 66 features
Nr Works
Nr of Extracted Features
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 34 37 43
5 3 6 10 17 17 21 31 35 57 48 43 51 40 39 29 29 22 28 20 26 6 10 8 11 10 2 6 2 2 1 2 2 2 1 1

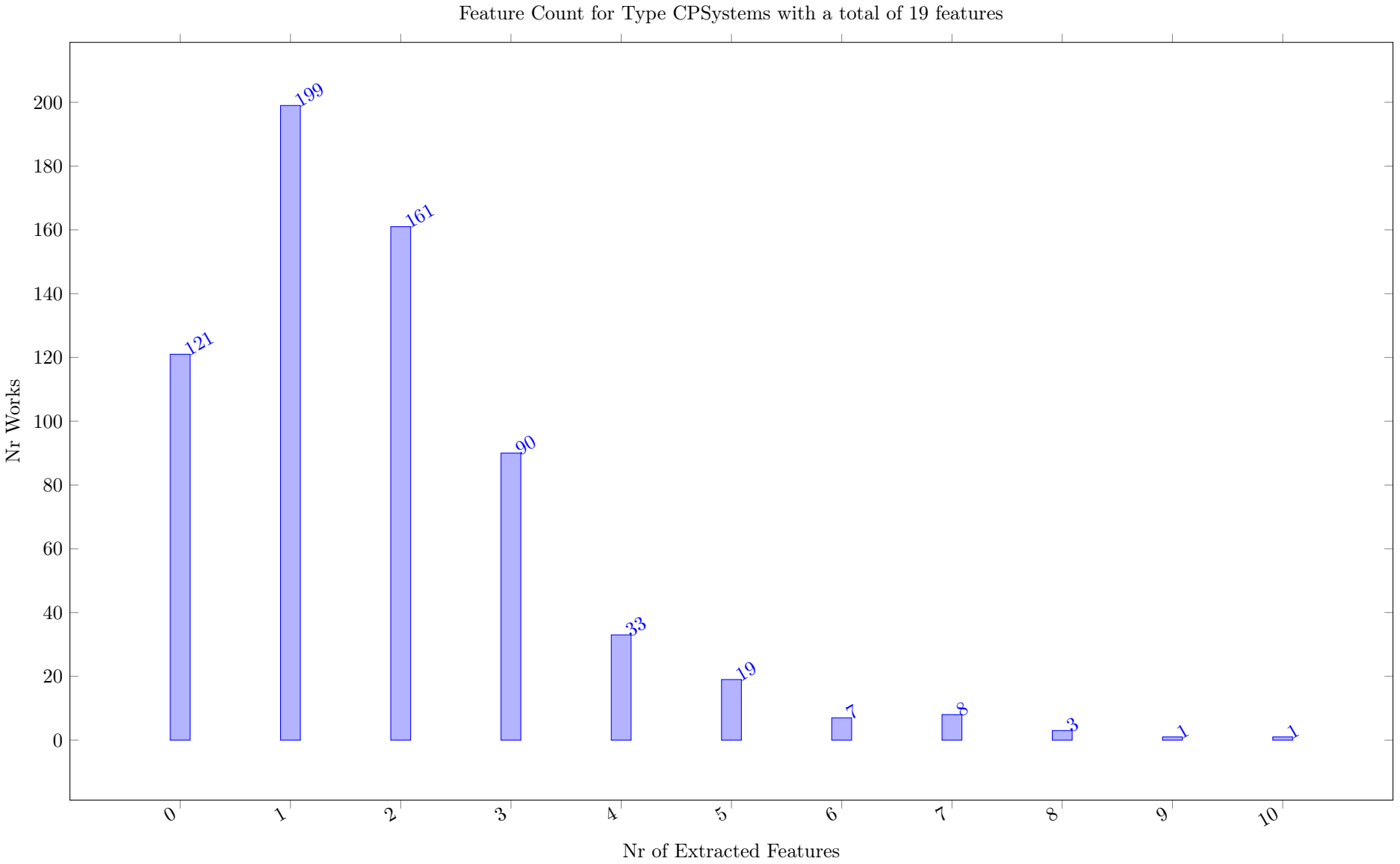

Feature Count for Type Classification with a total of 48 features
Nr Works
Nr of Extracted Features
300
280
260
240
220
200
180
160
140
120
100
80
60
40
20
0
−20
276
127
109
73
38
7
6
4
2
1
0
1
2
3
4
5
6
7
9
11

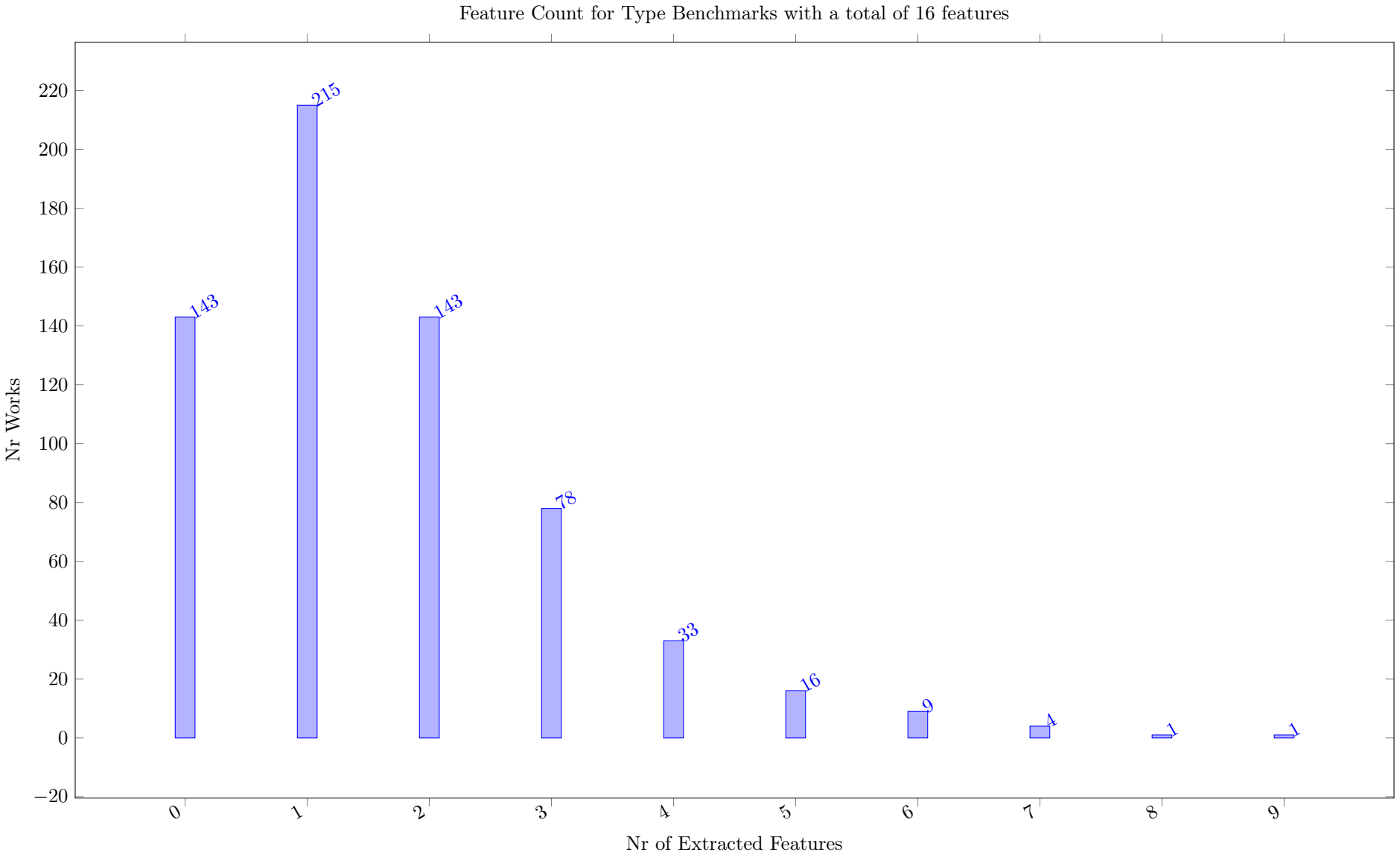

Feature Count for Type Constraints with a total of 63 features
Nr Works
0
20
40
60
80
100
120
140
83
126
143
117
80
36
20
14
11
2
2
3
3
1
2
0
1
2
3
4
5
6
7
8
9
10
11
12
14
19
Nr of Extracted Features

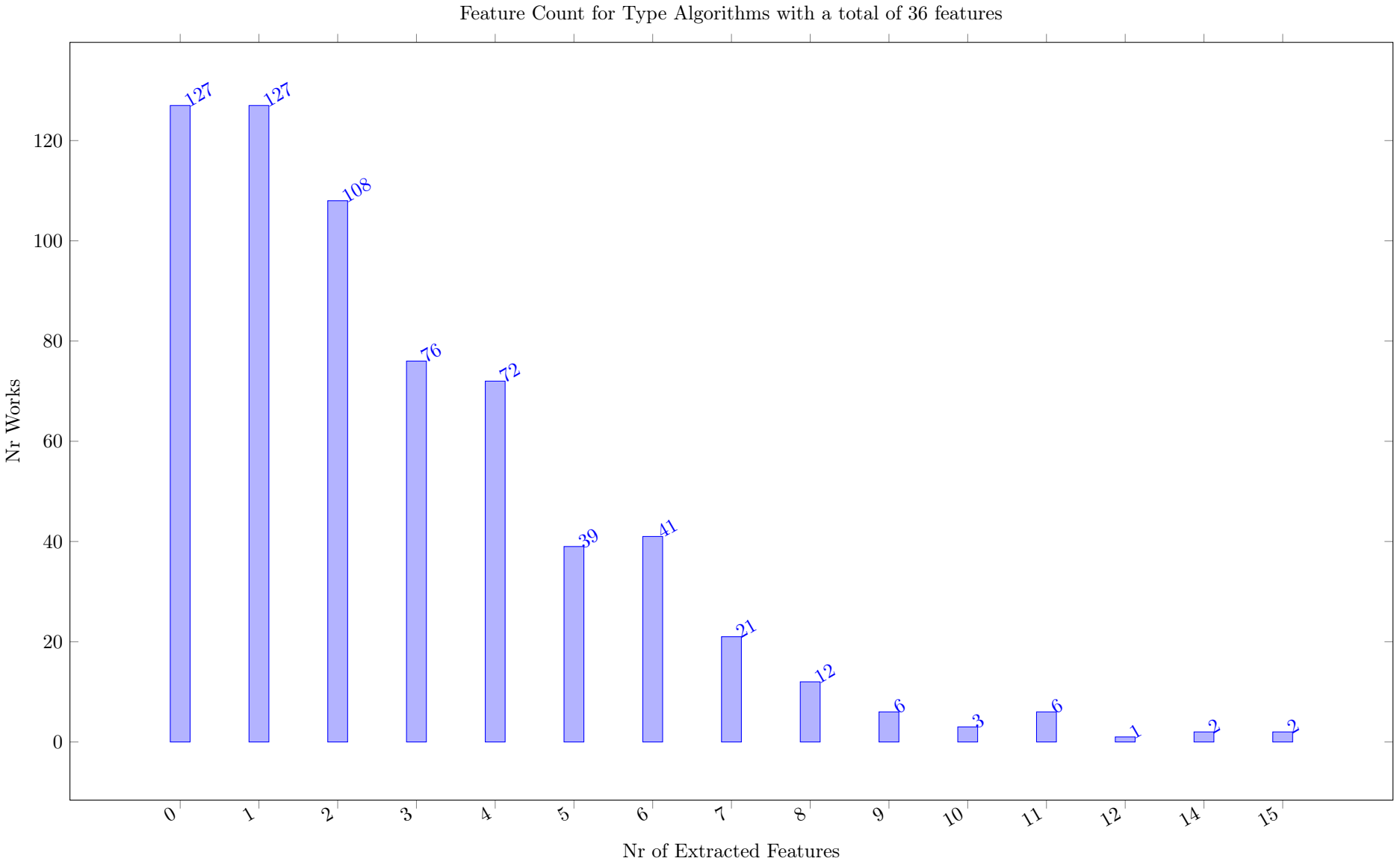

Feature Count for Type ApplicationAreas with a total of 61 features
Nr Works
260
240
220
200
180
160
140
120
100
80
60
40
20
0
−20
250
173
115
42
24
19
12
2
2
3
1
0
1
2
3
4
5
6
7
8
9
16
Nr of Extracted Features


Feature Count for Type Industries with a total of 77 features
Nr Works
550
500
450
400
350
300
250
200
150
100
50
0
−50
521
82
23
9
5
2
1
0
1
2
3
4
5
7
Nr of Extracted Features


Feature Count for Type ProgLanguages with a total of 7 features
Nr Works
0
50
100
150
200
250
300
350
400
409
198
30
5
1
0
1
2
3
4
Nr of Extracted Features


Feature Count for Type CPSystems with a total of 19 features
Nr Works
Nr of Extracted Features
0
20
40
60
80
100
120
140
160
180
200
0
1
2
3
4
5
6
7
8
9
10
121
199
161
90
33
19
7
8
3
1
1


Feature Count for Type Benchmarks with a total of 16 features
Nr Works
Nr of Extracted Features
220
200
180
160
140
120
100
80
60
40
20
0
−20
0
1
2
3
4
5
6
7
8
9
143
215
143
78
33
16
9
4
1
1

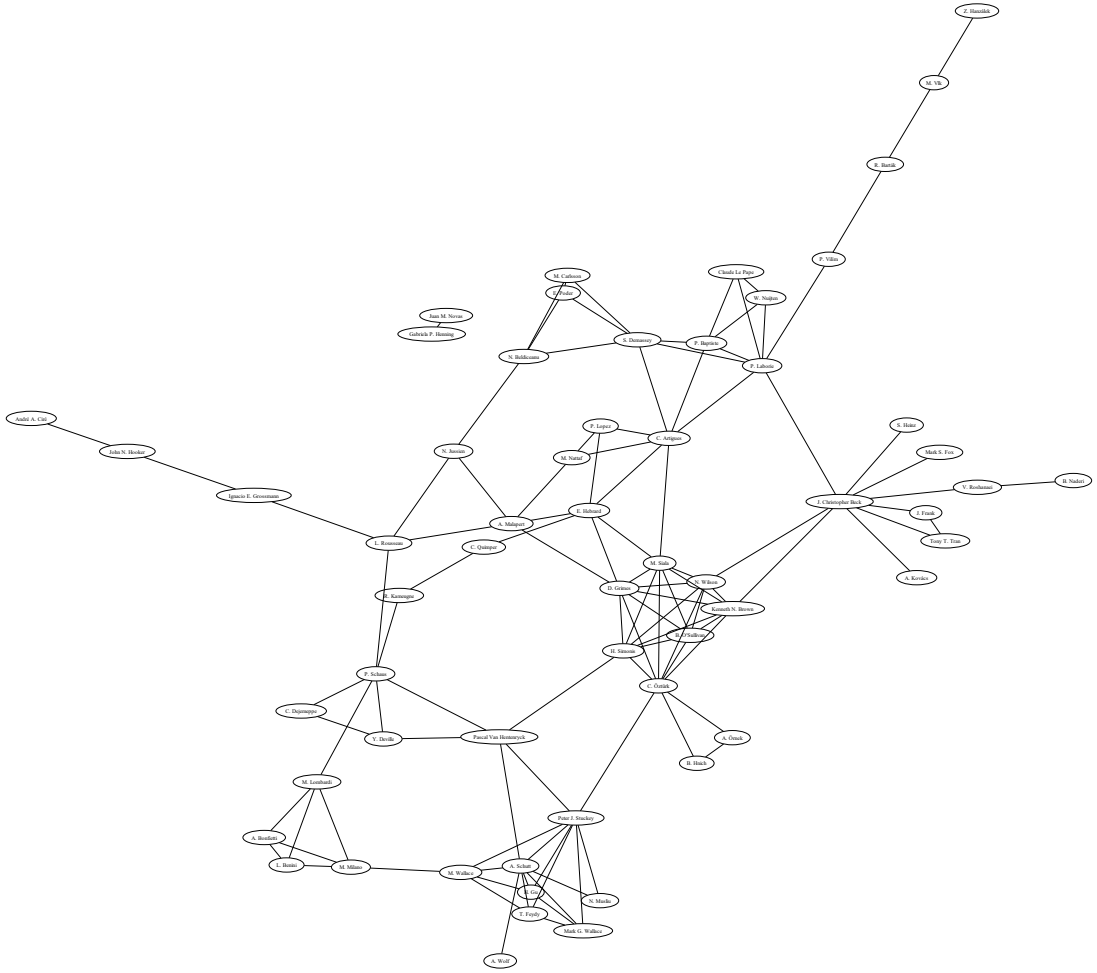

Feature Count for Type Algorithms with a total of 36 features
Nr Works
0
20
40
60
80
100
120
127
127
108
76
72
39
41
21
12
6
3
6
1
2
2
0
1
2
3
4
5
6
7
8
9
10
11
12
14
15
Nr of Extracted Features

9 Coauthor graph

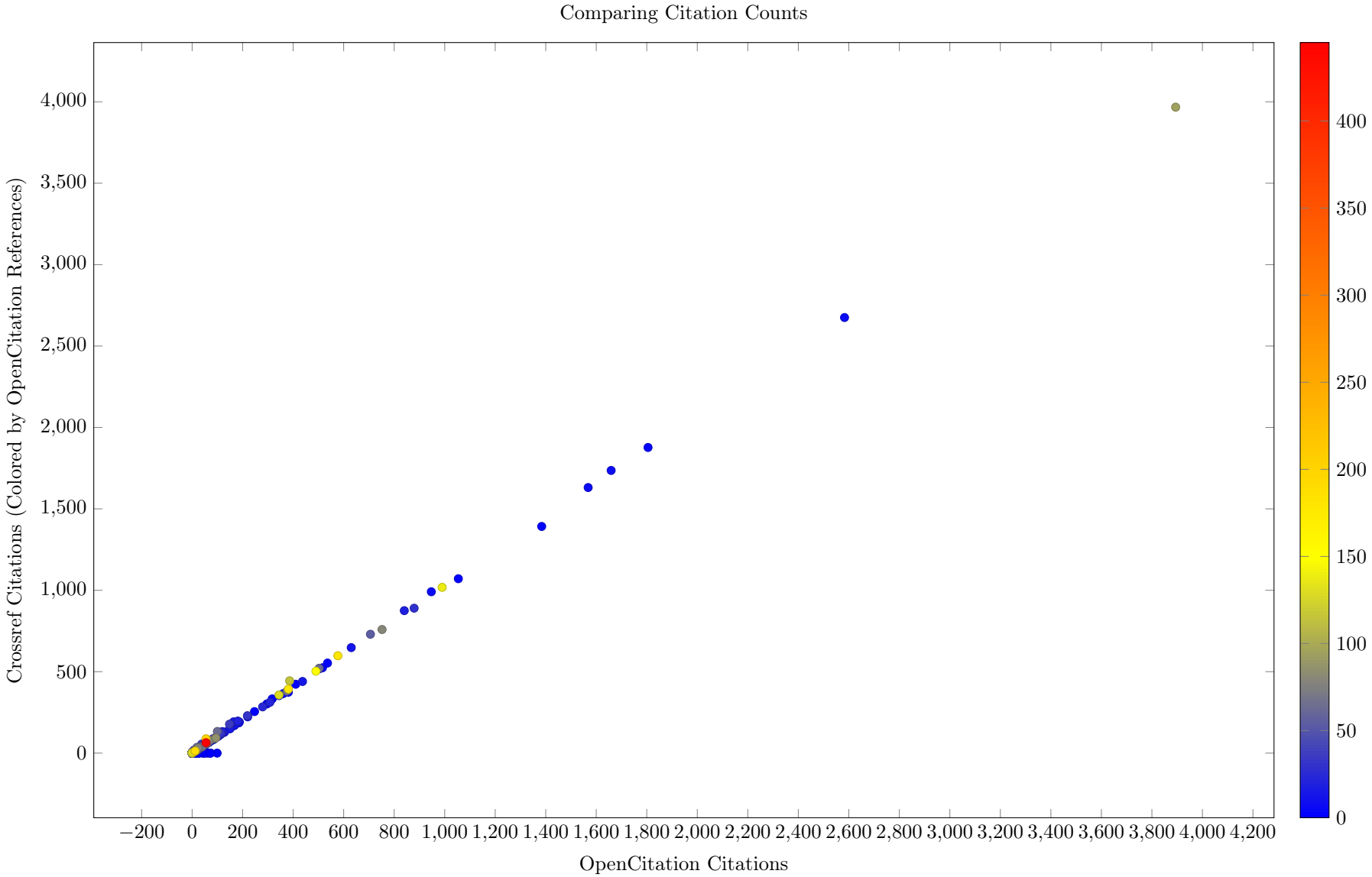
The coauthor plot is created by graphviz, and is based on the coauthor relations extracted from the author fields of the works. Authors with few works are not shown, to avoid a cluttered view. Note that this analysis depends on the use of canonical forms of author names. If bib entries come from any different sources, we will need to check this manually. DBLP seems to be using ORCID values and typically identifies the authors of a work with a canonical representation of their name. Accents and umlauts are other sources of having multiple forms of the name of the same author. Note that the risk of two different authors using the same name should be low for very specific literature surveys, but cannot be checked with the data sources currently used.

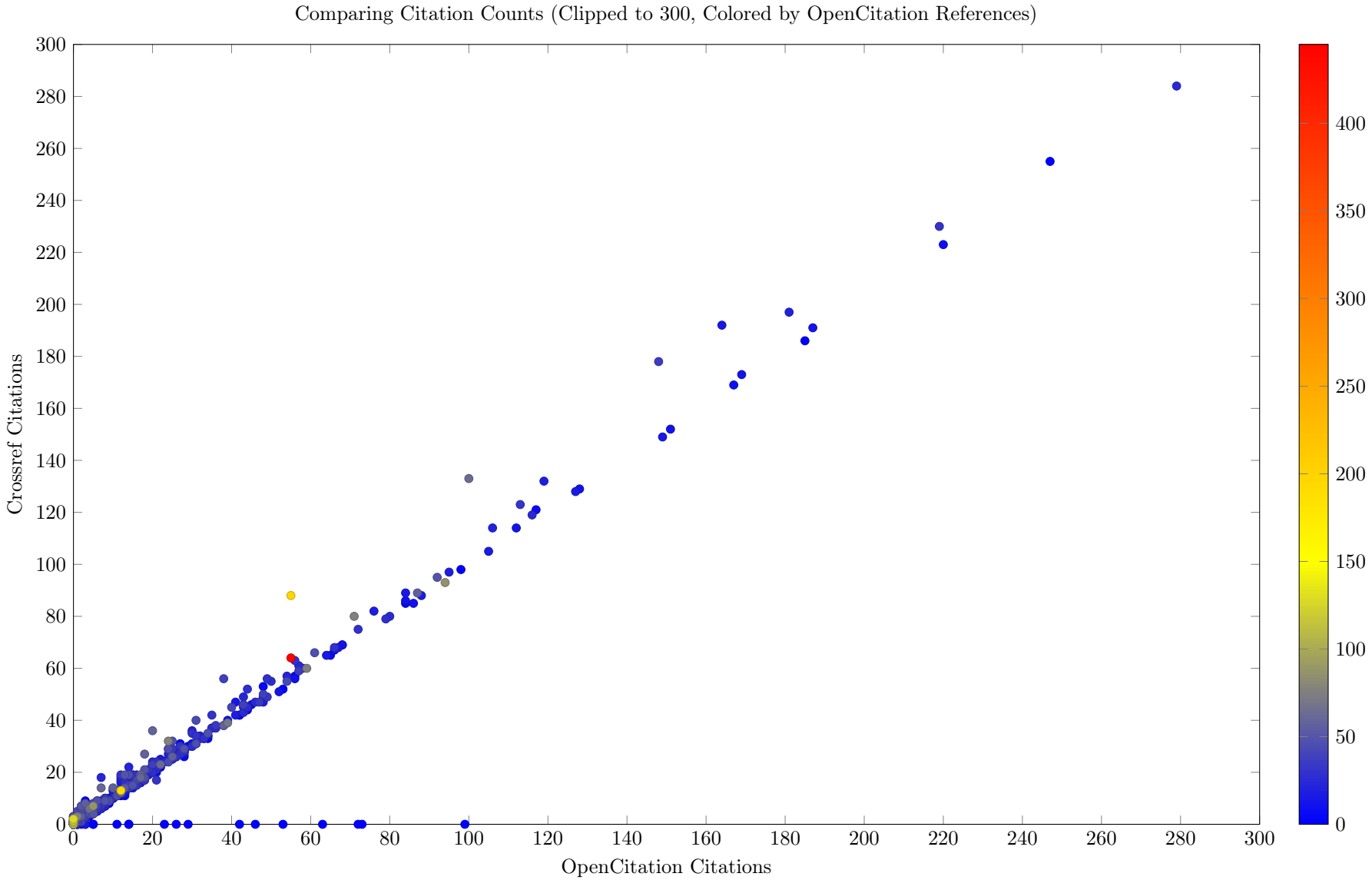
The plots can be made with different layout tools in graphviz, it seems that fdp produces the most consistent visually attractive plots for this type of display. This probably needs more work on parameter settings to be fully automated.

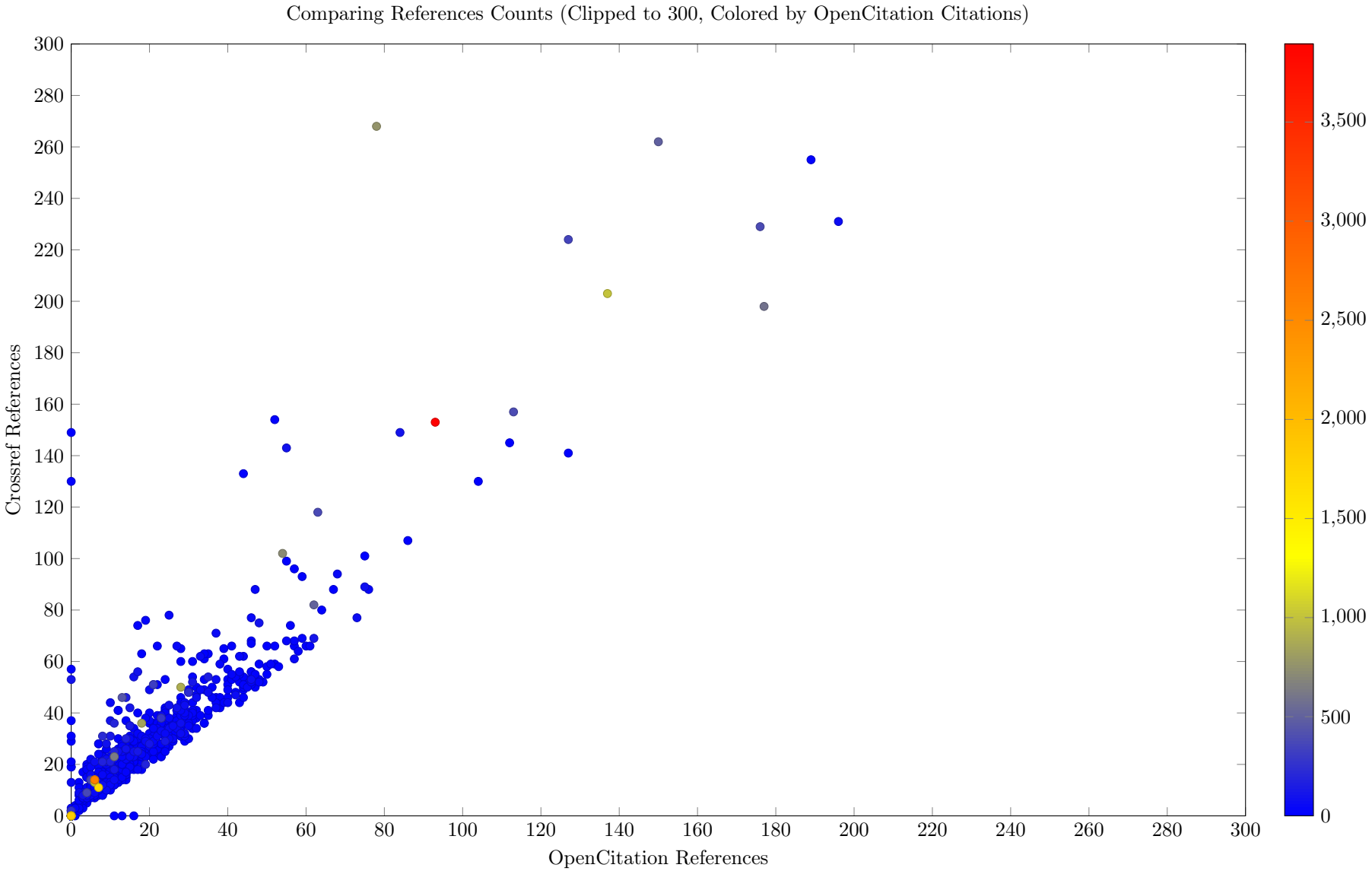
Figure 1: Coauthor Graph Drawn with fdp (Graphviz)

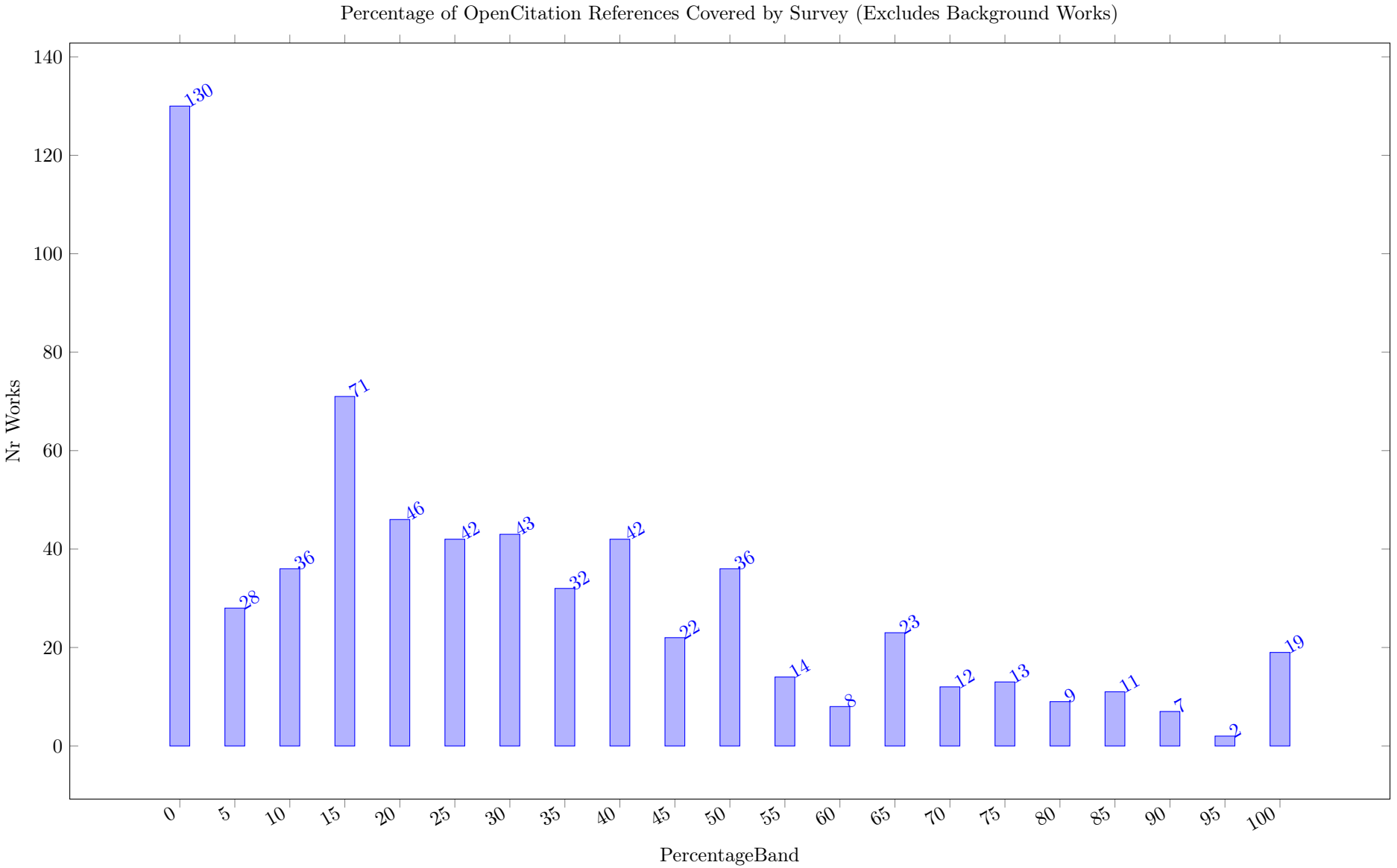


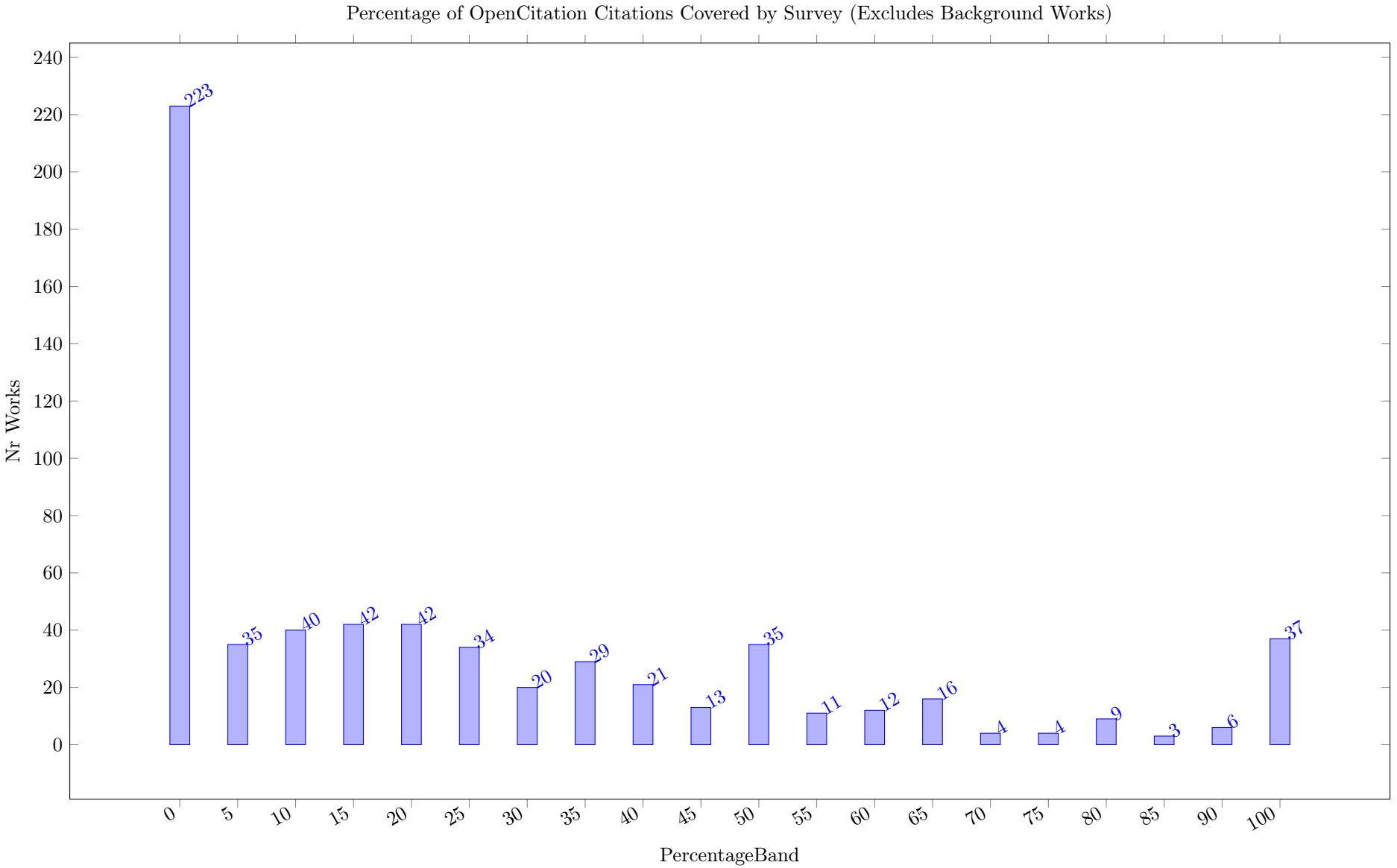
10 OpenCitations vs. Crossref Data

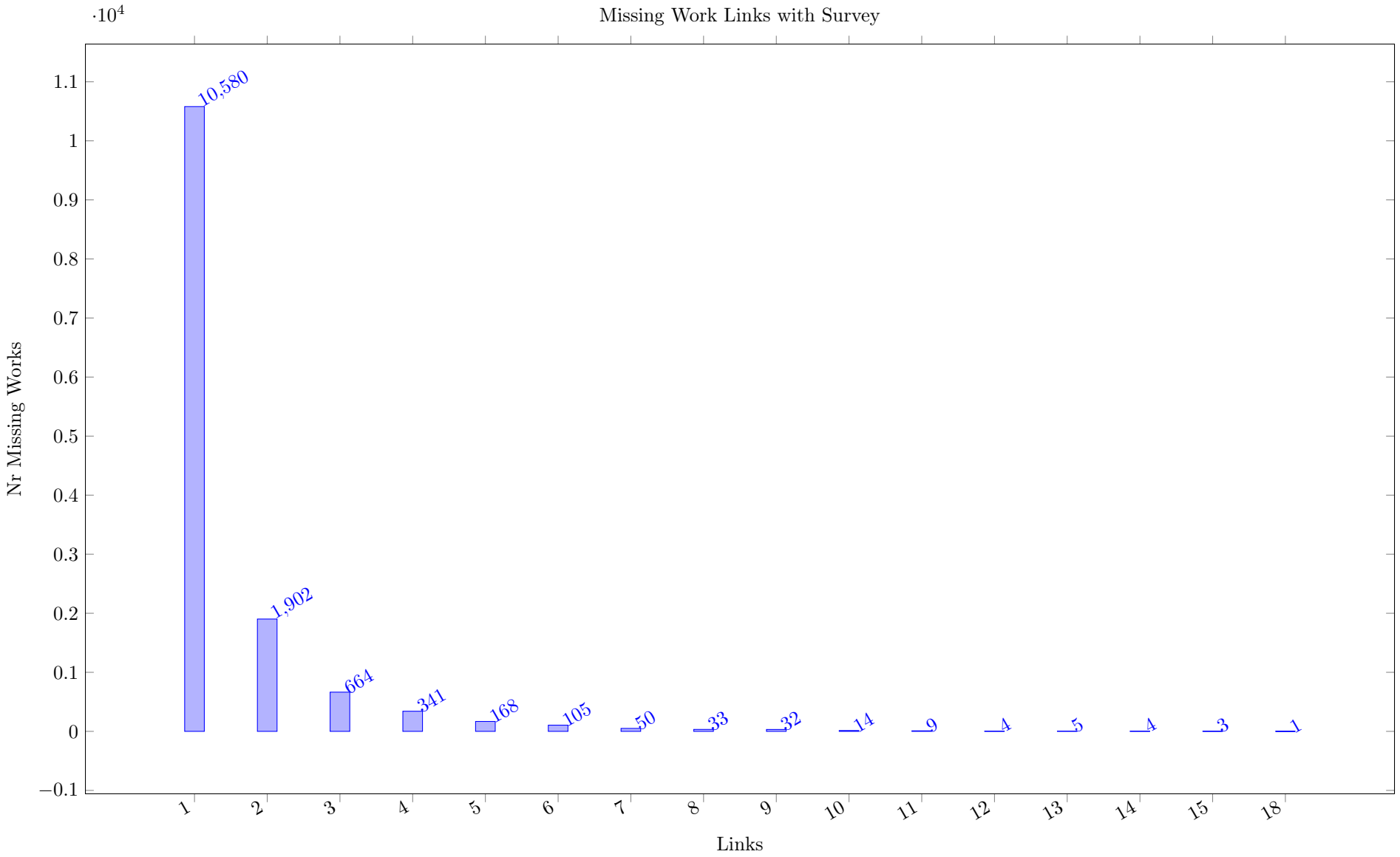



Comparing Citation Counts (Clipped to 300, Colored by OpenCitation References)
Crossref Citations
OpenCitation Citations
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
0
50
100
150
200
250
300
350
400


Comparing References Counts (Clipped to 300, Colored by OpenCitation Citations)
Crossref References
OpenCitation References
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
0
500
1,000
1,500
2,000
2,500
3,000
3,500


Percentage of OpenCitation References Covered by Survey (Excludes Background Works)
Nr Works
PercentageBand
0
5
10
15
20
25
30
35
40
45
50
55
60
65
70
75
80
85
90
95
100
130
28
36
71
46
42
43
32
42
22
36
14
8
23
12
13
9
11
7
2
19


Percentage of OpenCitation Citations Covered by Survey (Excludes Background Works)
Nr Works
PercentageBand
0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 100
223 35 40 42 42 34 20 29 21 13 35 11 12 16 4 4 9 3 6 37


Missing Work Links with Survey
$\cdot 10^4$
Nr Missing Works
Links
1.1
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
−0.1
10,580
1,902
664
341
168
105
50
33
32
14
9
4
5
4
3
1
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
18