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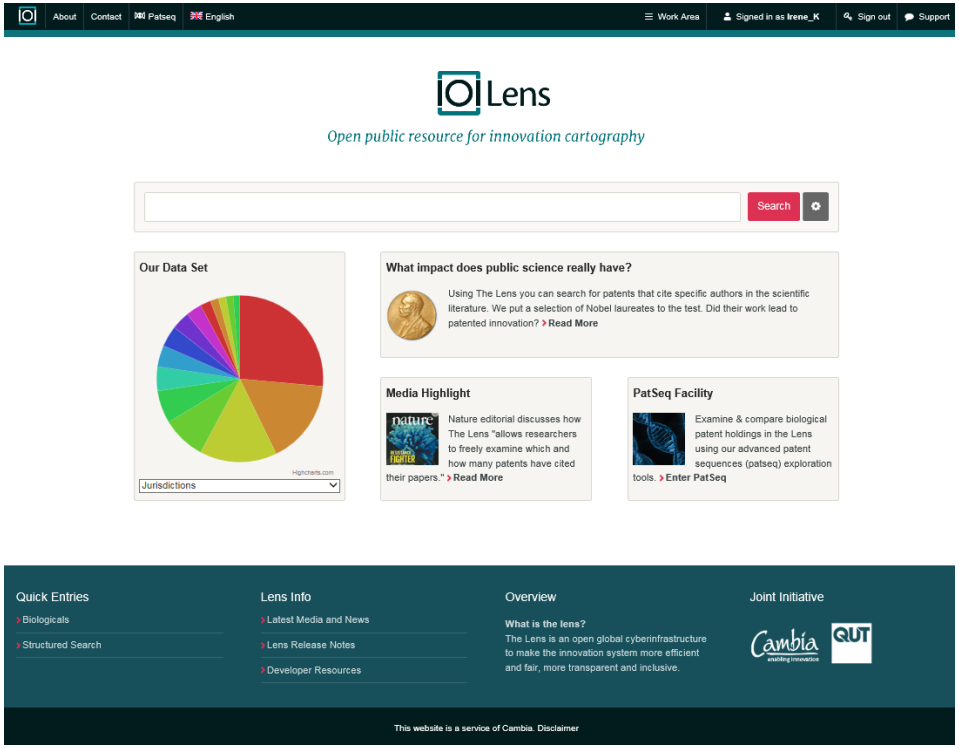
Topic 4:

Obtaining Patent Data from the Lens: Introduction and Practical Exercise

Porto Alegre
19 October 2016

Irene Kitsara, IP Information Officer, Access to Information and Knowledge Division

What is the Lens?



https://lens.org

- Result of collaboration between Cambia and the Queensland University of Technology (QUT)
- Funded by Bill & Melinda Gates Foundation (US$1.6 million grant)
- Patent/Patent Sequence Platform with NPL Data and Analysis features

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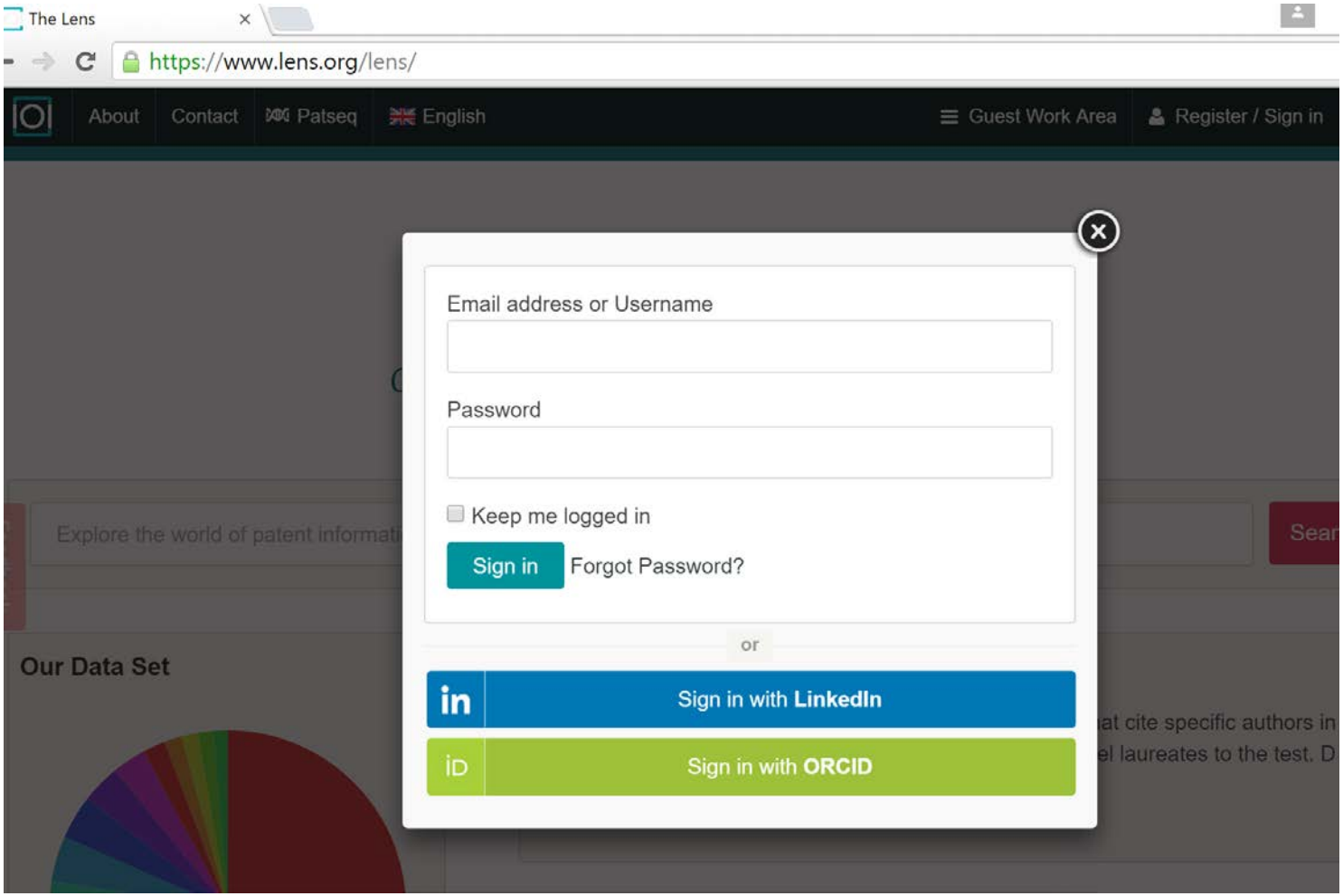
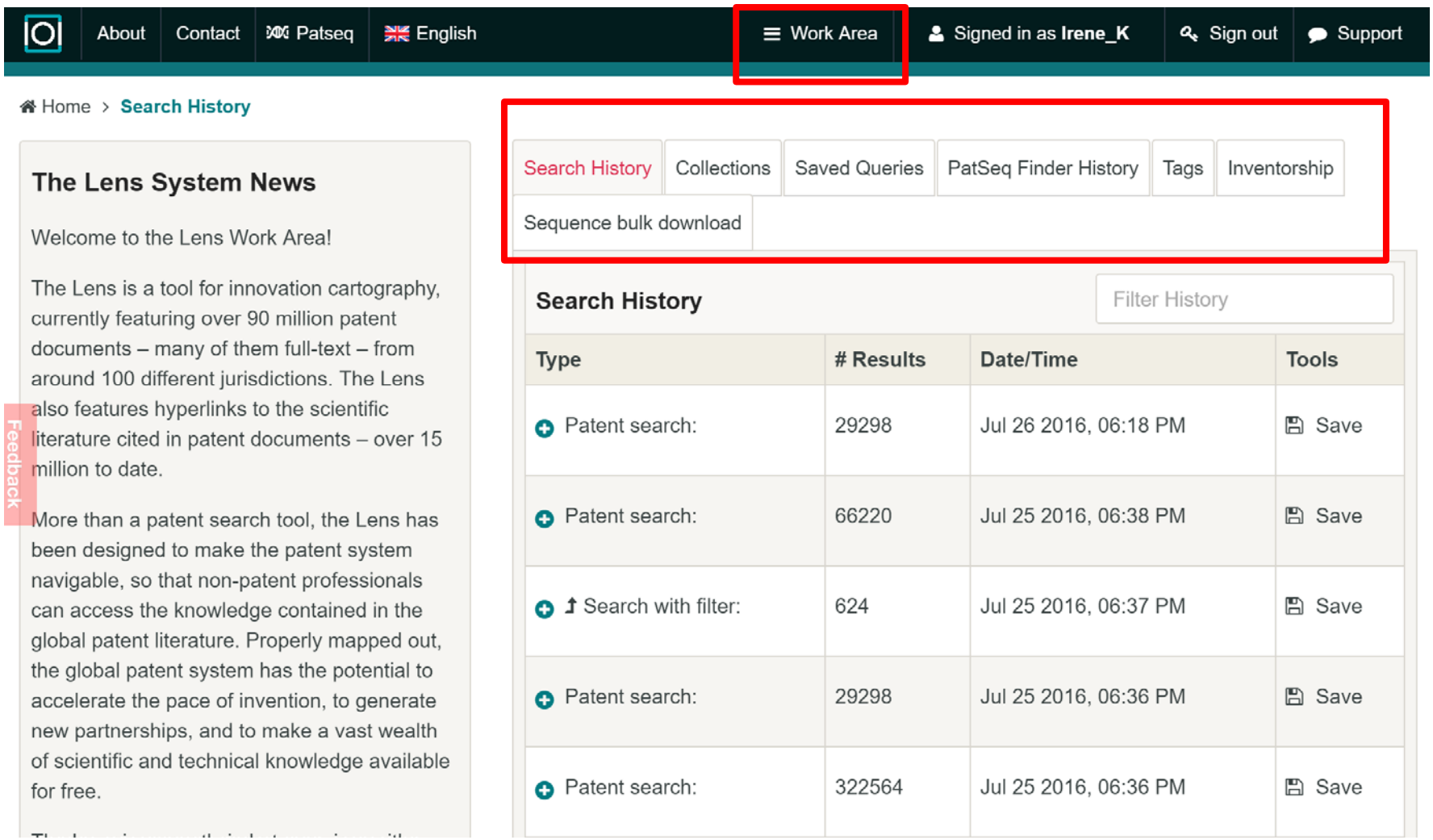
Registering @ the Lens



Being logged-in @ the Lens



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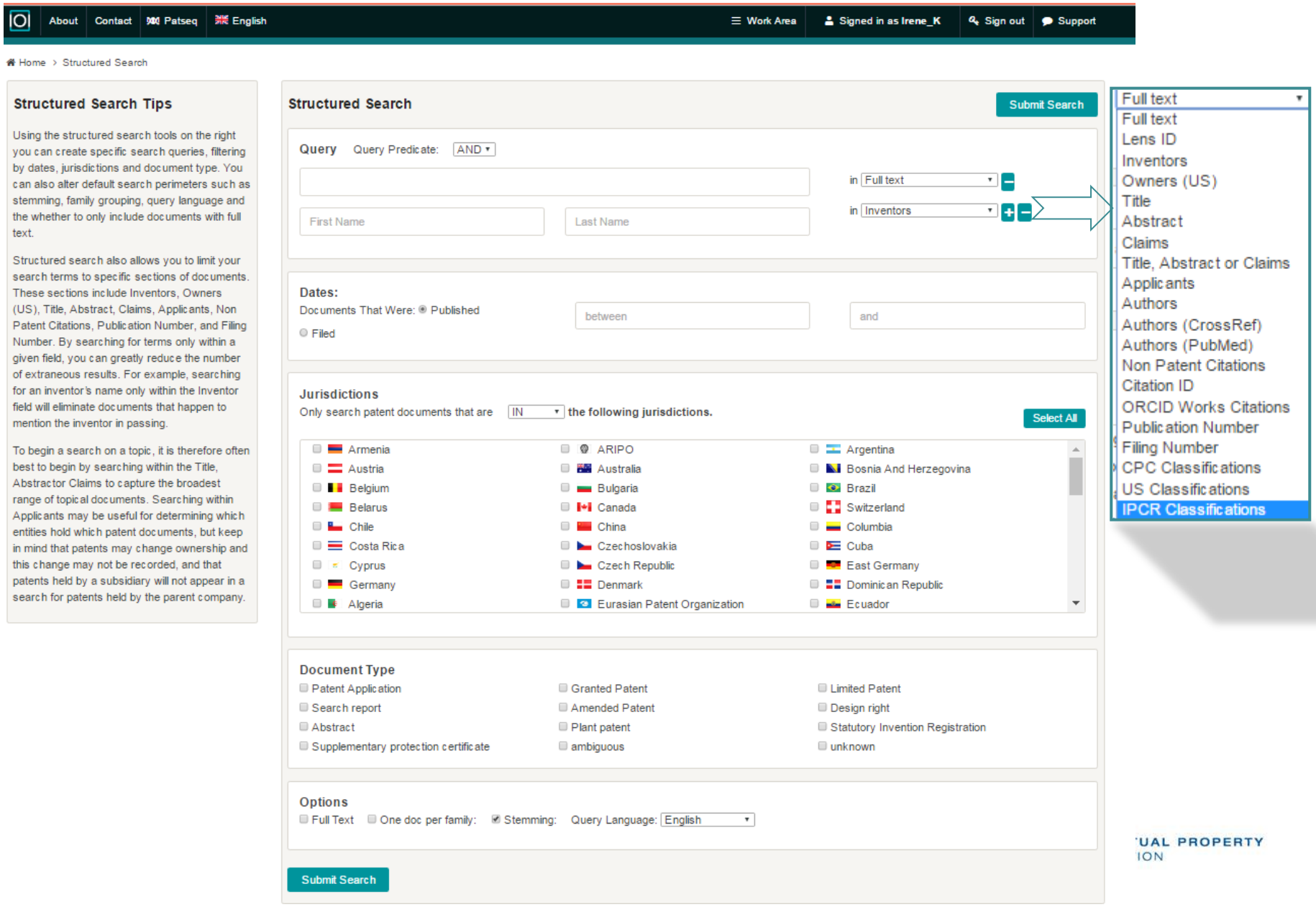
The Lens – patent/sequence search and analytics

The Lens – Structured Search



PatSeq: looking for biological/sequence data in patent documents

https://www.lens.org/lens/bio

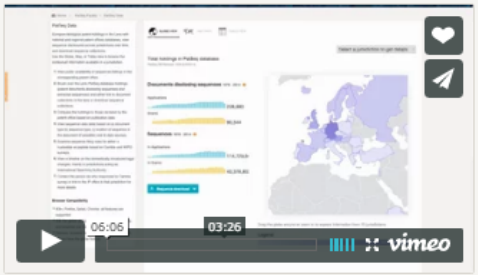
About | Contact | Patseq | English | Work Area | Signed in as Irene_K | Sign out | Support

PatSeq Data Text Explorer Finder Analyzer

Explore the world of patent information... Search

Home > PatSeq Facility

PatSeq Data



Compare biological patent holdings in the Lens with national and regional patent offices databases, view sequence disclosures across jurisdictions over time, and download...

>View PatSeq Data

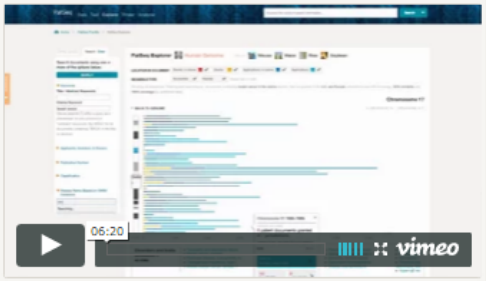
PatSeq Text Search

Homo sapiens, **Human**
Escherichia coli, **E. Coli**
Arabidopsis thaliana, **Thale Cress**
Saccharomyces cerevisiae, **Yeast**
Caenorhabditis elegans, **Roundworm**
Drosophila melanogaster, **Fly**
Zea mays, **Maize**

Search for patent documents that declare at least one sequence in their sequence listings section as derived from a specific species. Use keywords to perform full text searches within...

>View PatSeq Text Search

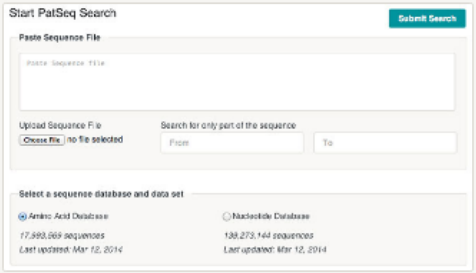
PatSeq Explorer



Navigate and analyse patent-disclosed sequences mapped onto genomes and chromosomes and explore linkages between sequences and phenotypes...

>View PatSeq Explorer

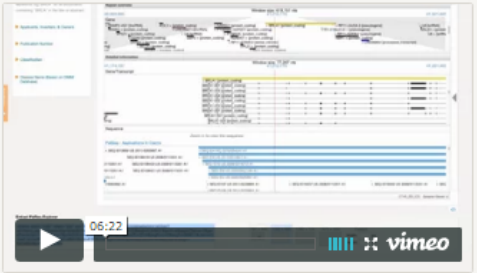
PatSeq Finder



Use input DNA or protein sequence(s) to find matches in the Lens PatSeq database, and determine whether the results have been referenced in the claims of a patent, or just disclosed...

>View PatSeq Finder

PatSeq Analyzer



Compare patenting activity at the chromosomal locus or gene level, filter by sequence or search by patent attributes to analyse extent and scope of invention at that level...

>View PatSeq Analyzer

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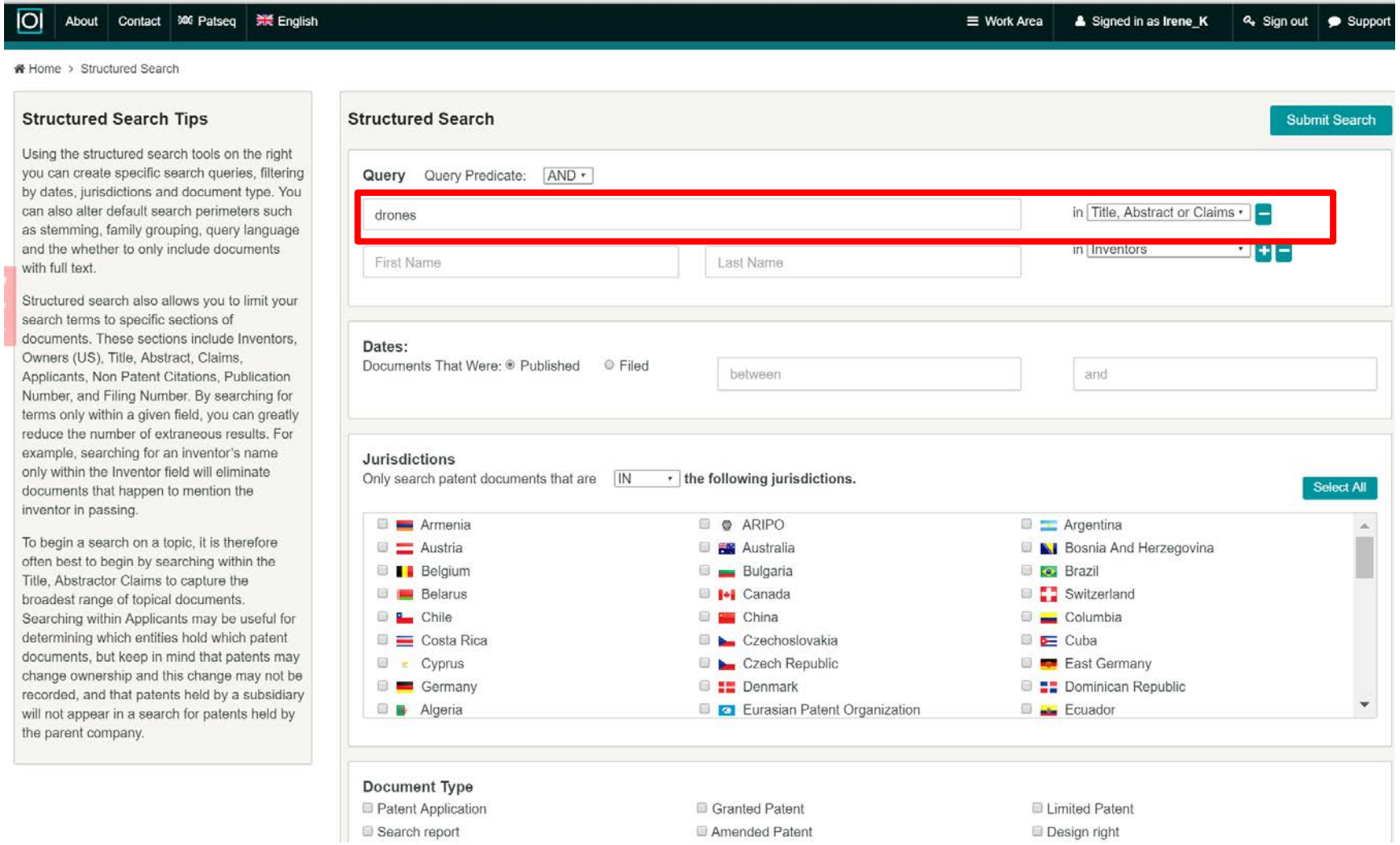
Let’s go to the structured search

Search for drones – in TAC



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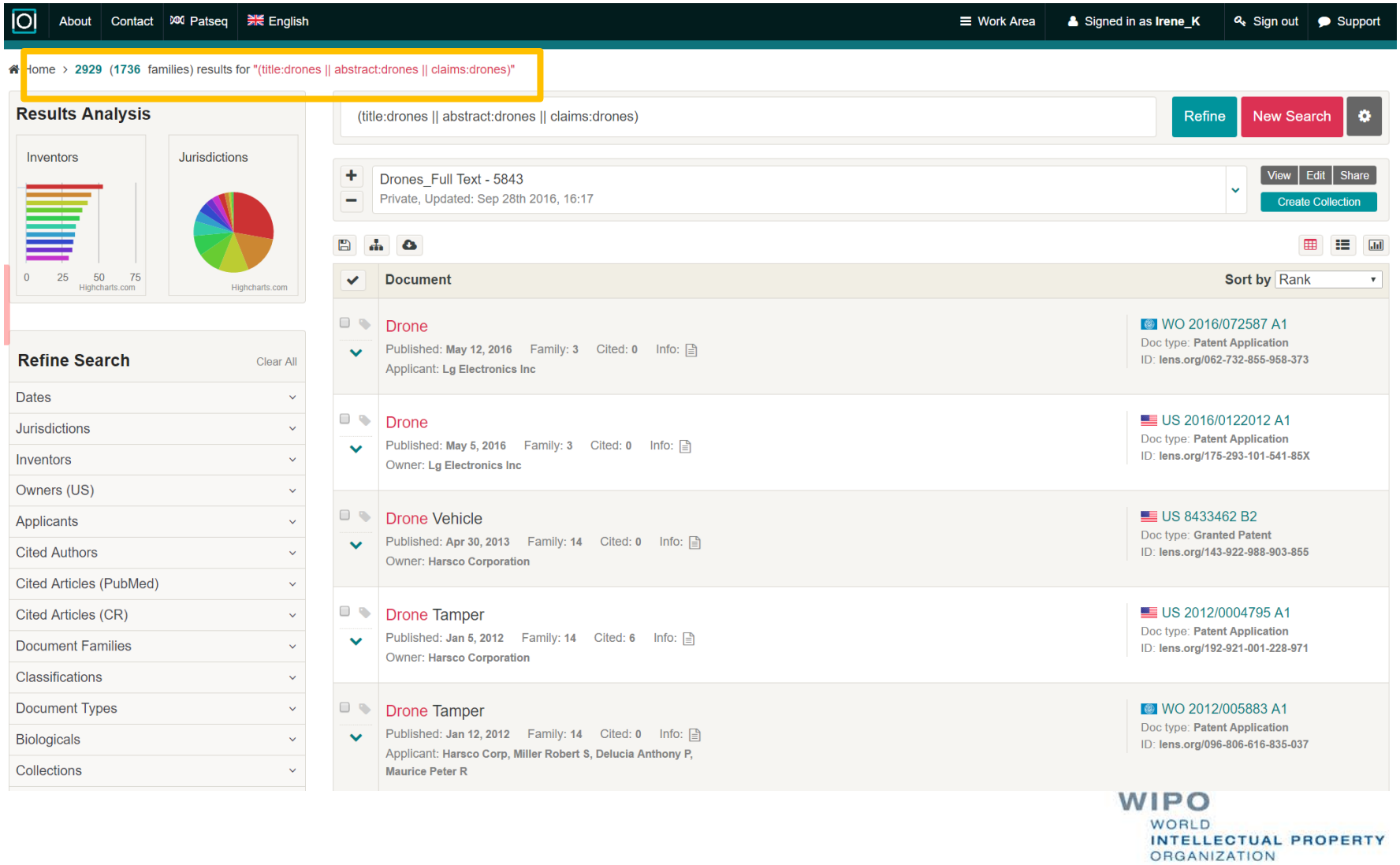
Search results for drones – simple families



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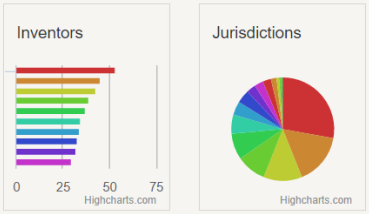
Drones in TAC – simple families

Home > 1736 results for "(title:drones || abstract:drones || claims:drones)"

Results Analysis



Refine Search

Clear All

- Dates
- Jurisdictions
- Inventors
- Owners (US)
- Applicants
- Cited Authors
- Cited Articles (PubMed)
- Cited Articles (CR)
- Document Families

Family members in jurisdictions

- United States of America
- China
- WIPO
- European Patent Office
- Russia

(title:drones || abstract:drones || claims:drones)

Refine | New Search

Drones_Full Text - 5843
Private, Updated: Sep 28th 2016, 16:17

View | Edit | Share | Create Collection

Document Sort by Rank

Rescue Drone
Published: **May 30, 2014** Family: **3** Cited: **3** Info:
Applicant: **Alshdaifat Wasfi, Almuhairbi Eida, Kassab Farah Afif**
WO 2014/080387 A2
Doc type: **Patent Application**
ID: **lens.org/192-642-526-314-096**

Drone For Taking Pictures Or Videos
Published: **Jun 16, 2016** Family: **2** Cited: **0** Info:
Applicant: **Hassan Zureikat Sabine**
US 2016/0173742 A1
Doc type: **Patent Application**
ID: **lens.org/006-399-826-550-101**

Airborne Drone Formation Control System
Published: **May 28, 1996** Family: **1** Cited: **80** Info:
Owner: **Honeywell Inc**
US 5521817 A
Doc type: **Granted Patent**
ID: **lens.org/020-926-965-964-522**

Seamless Replacement Of A First Drone Base Station With A Second Drone Base Station
Published: **Jan 28, 2016** Family: **2** Cited: **0** Info:
Applicant: **Alcatel Lucent**
WO 2016/012437 A1
Doc type: **Patent Application**
ID: **lens.org/054-932-622-826-00X**

Drone Having Reconfigurable Shape
Published: **Feb 25, 2016** Family: **2** Cited: **0** Info:
Applicant: **Korea Aerospace Res Inst**
WO 2016/027942 A1
Doc type: **Patent Application**
ID: **lens.org/068-144-635-970-976**

A Reporter Drone
WO 2014/106814 A2

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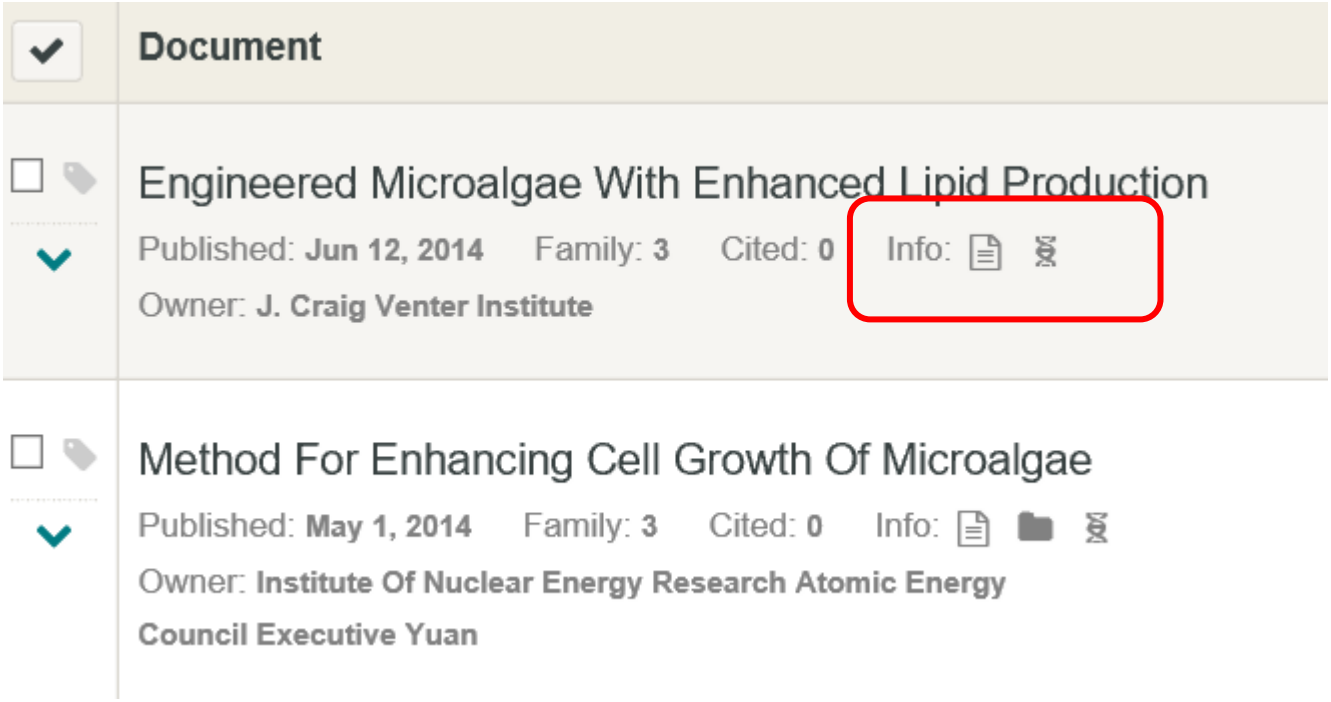
Patent Sequences in the search results



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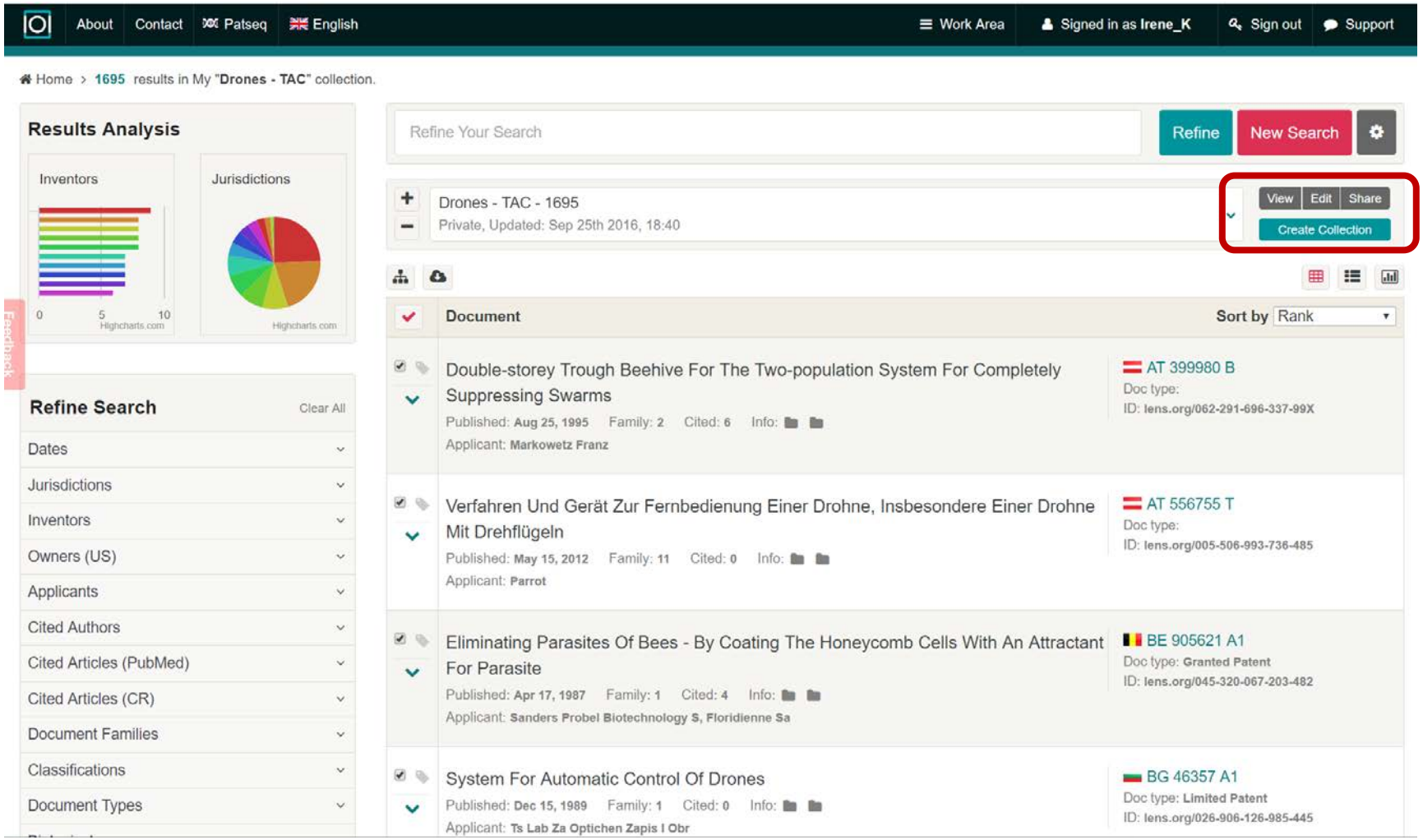
Next step: create a collection!



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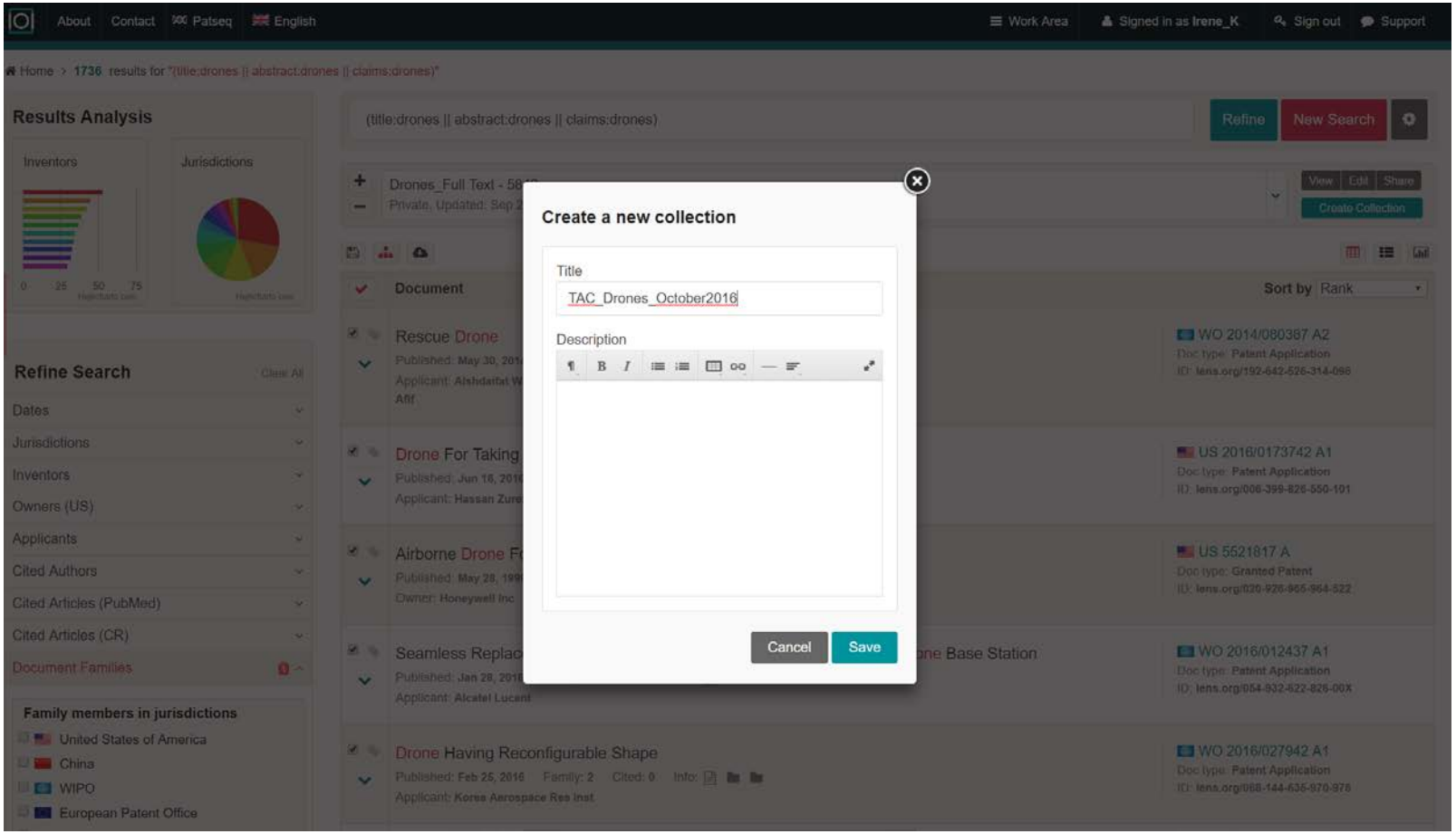
Create and save your collection



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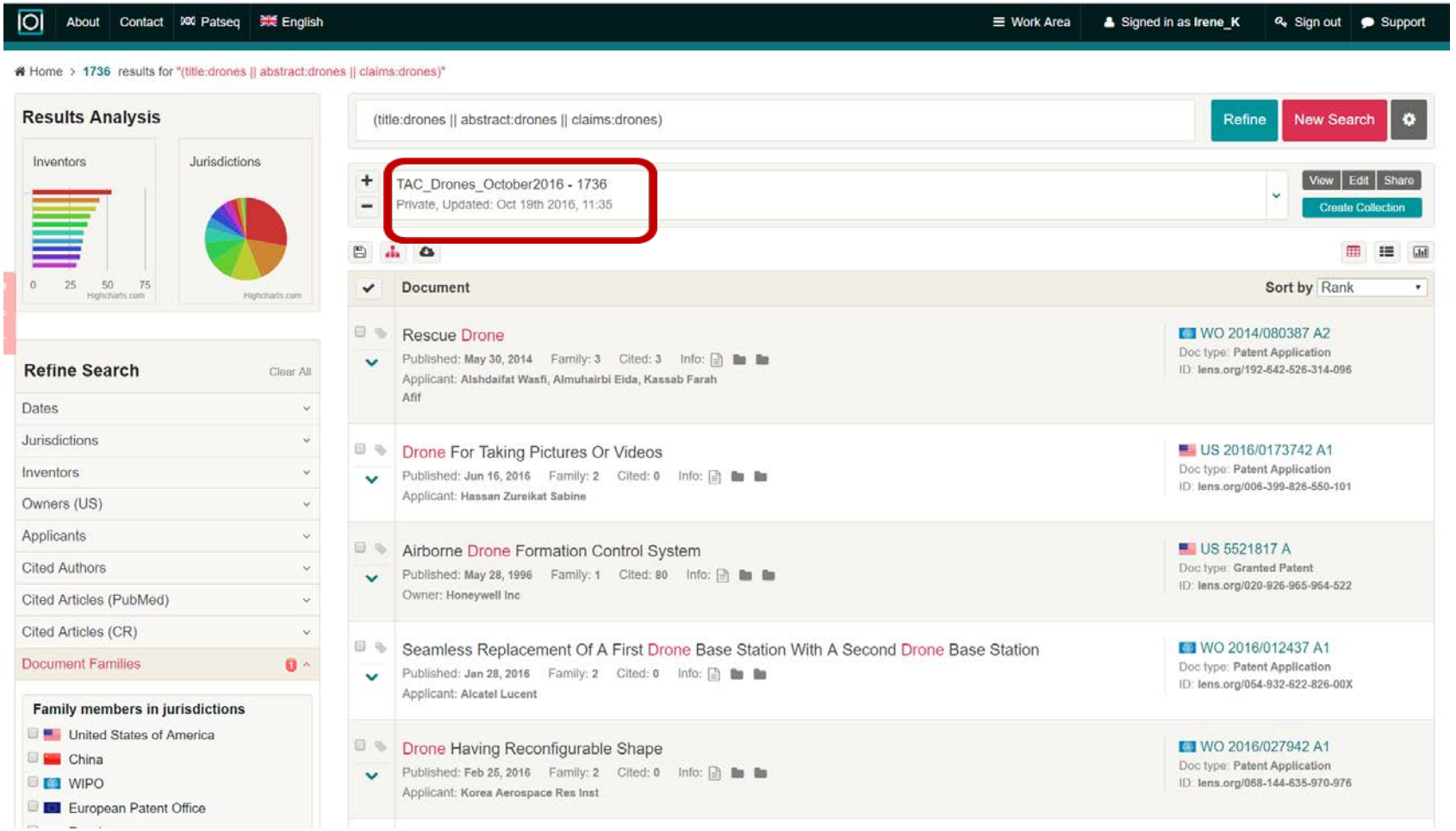
The collection is now available



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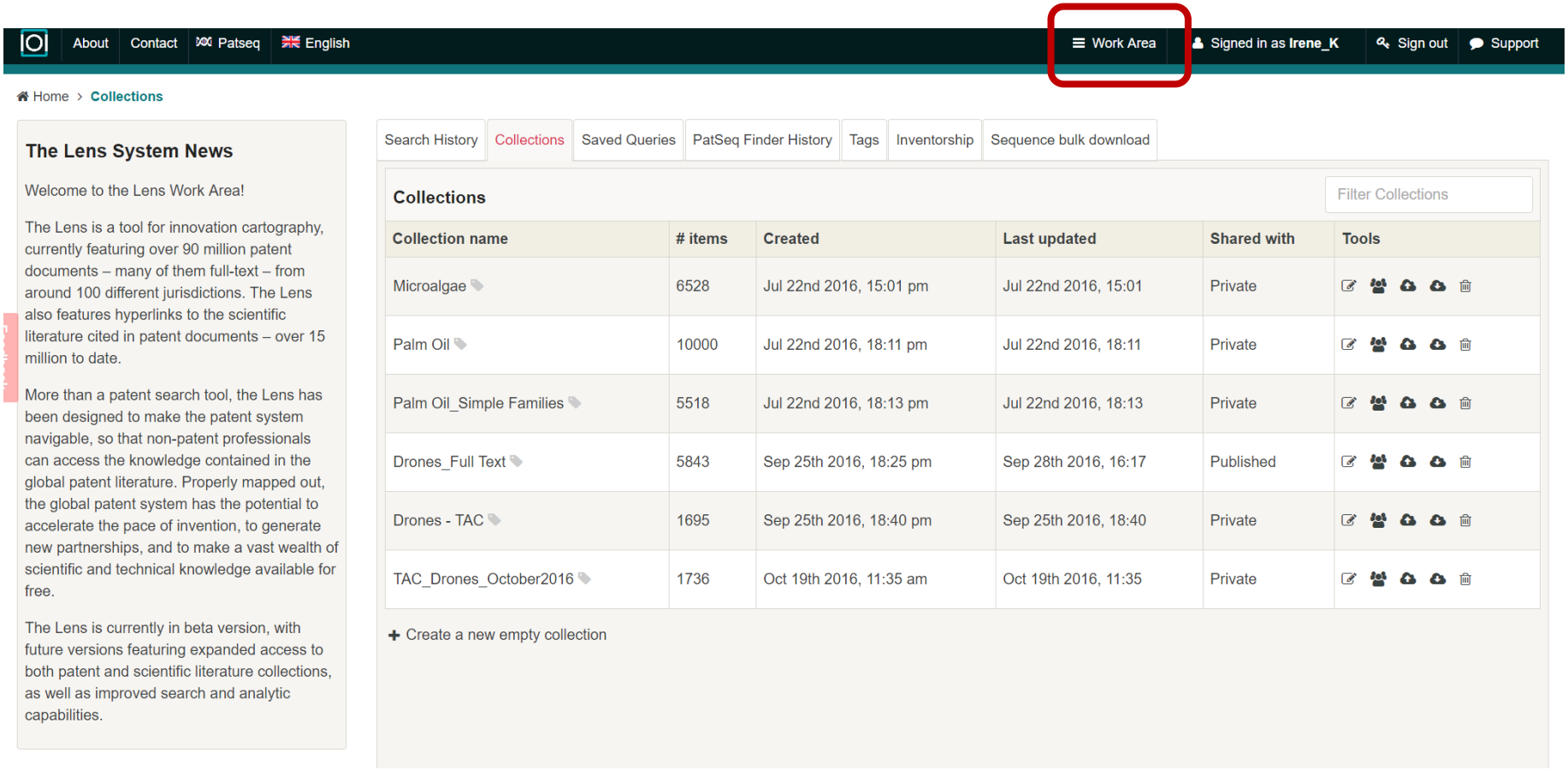
Find your collection in…



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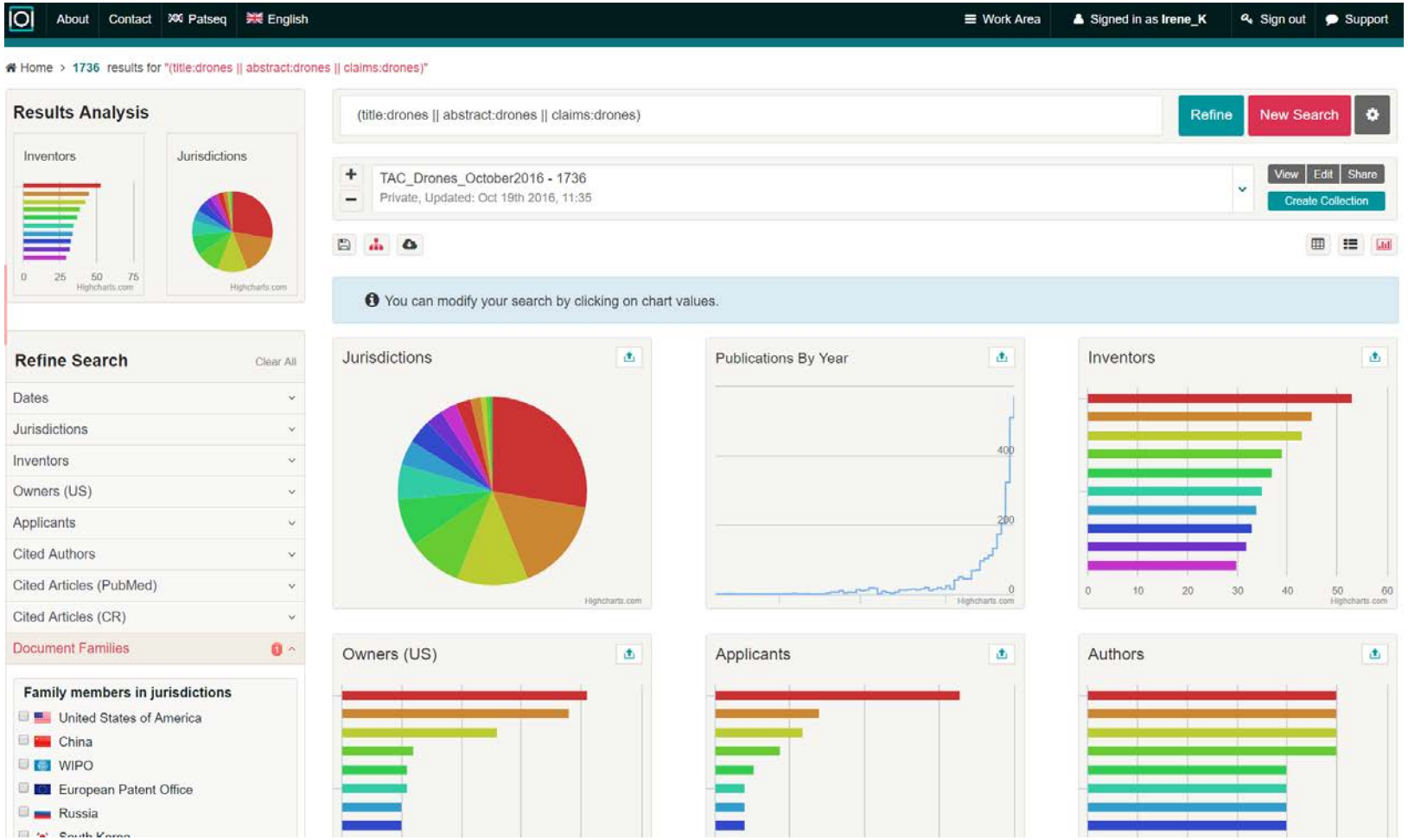
… and let's see our search results– in TAC



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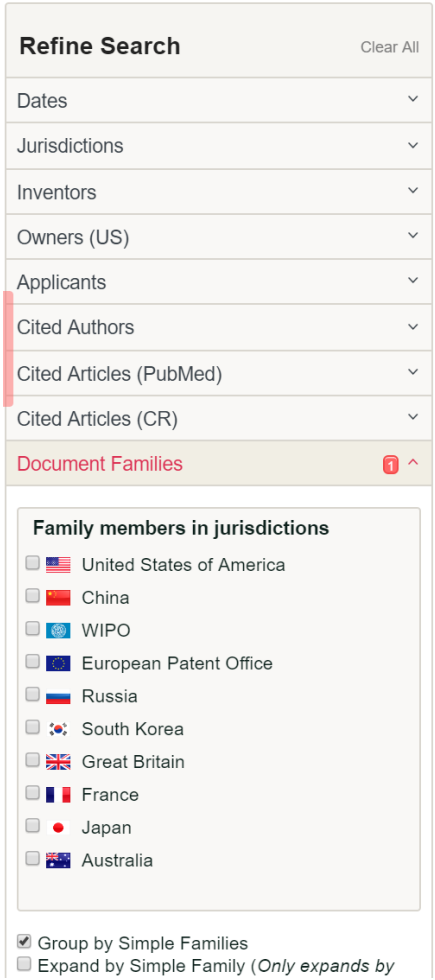
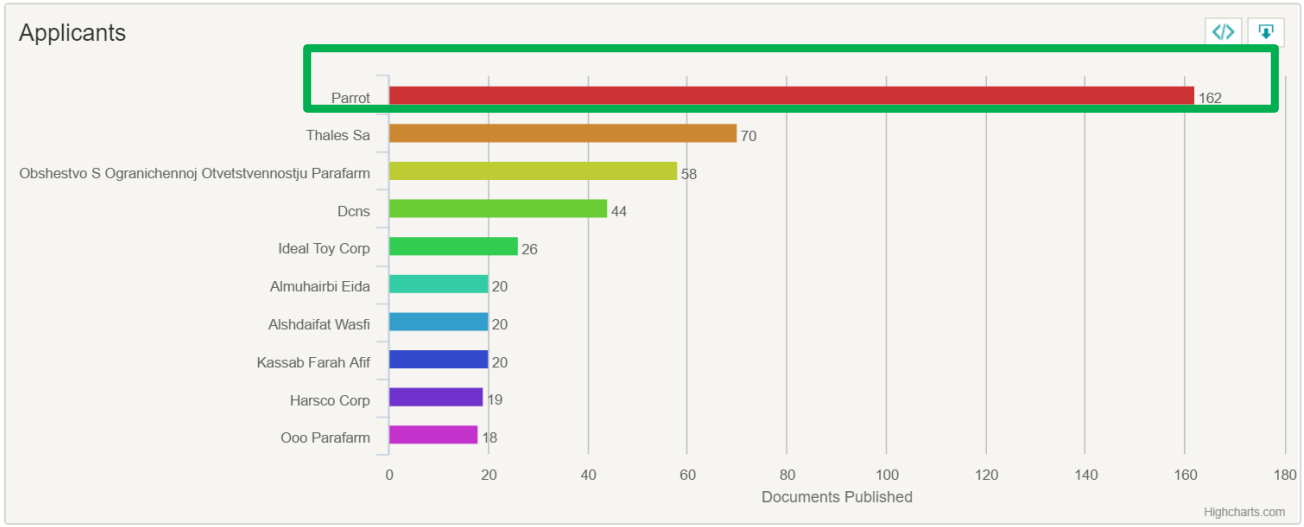
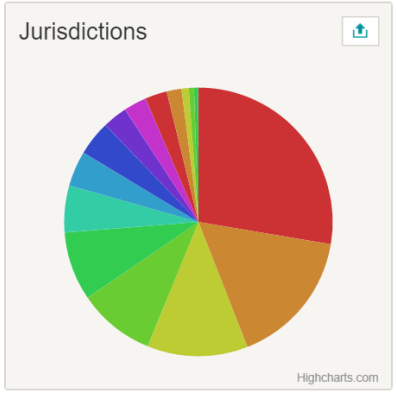
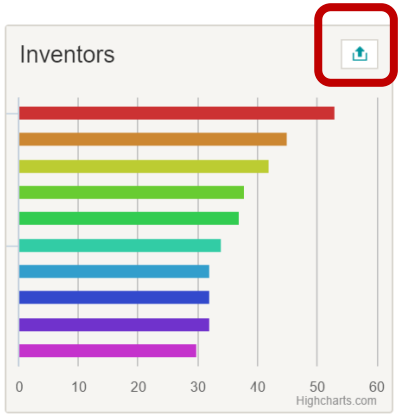
Looking closer at the results….









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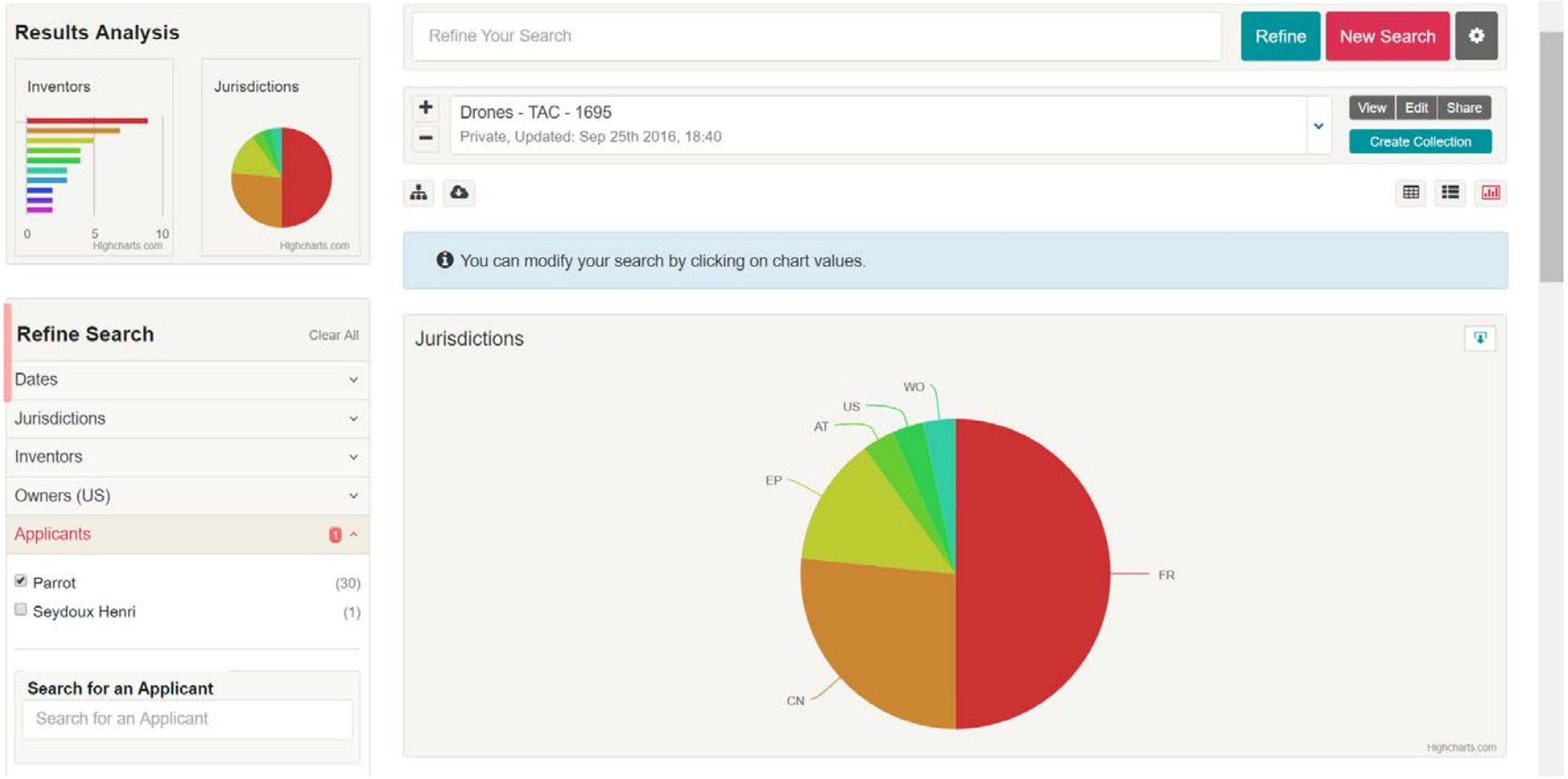
Individual entity/person activity analysis



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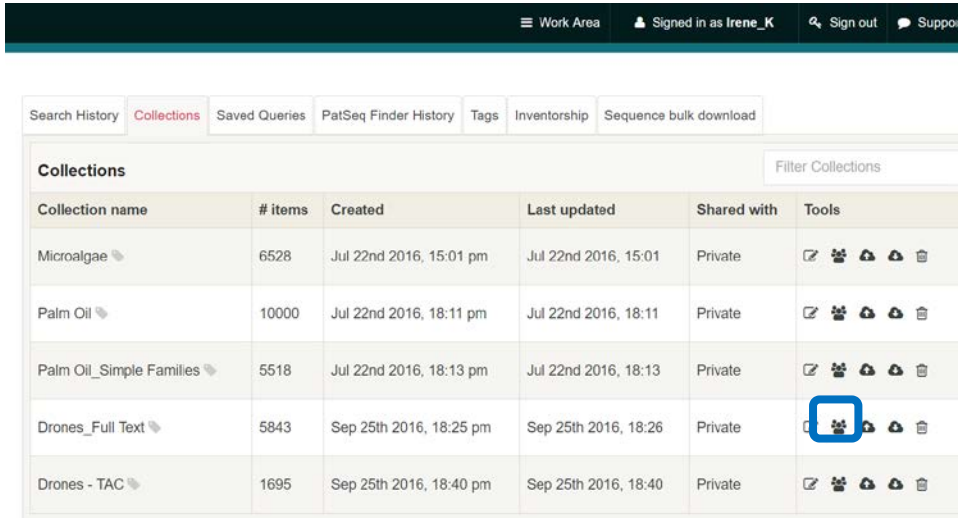
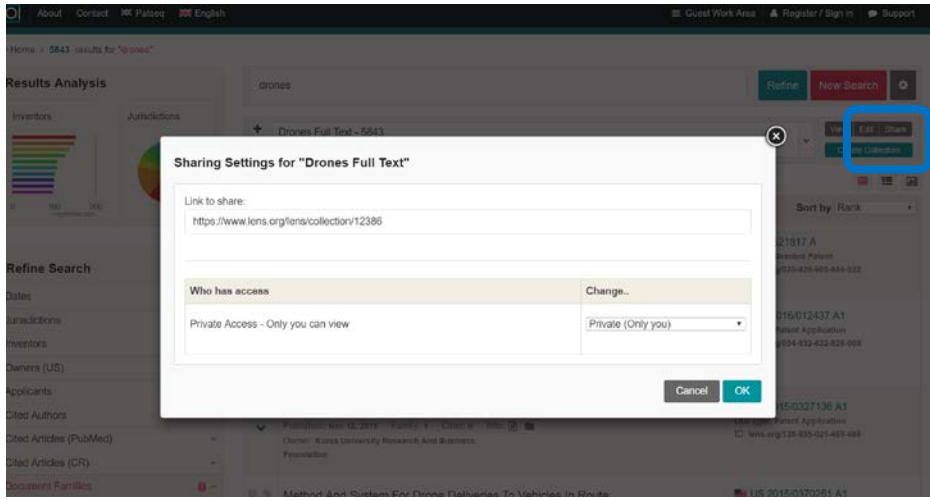
You can share the search results/collection

From your work area



Or through your search results … through a link



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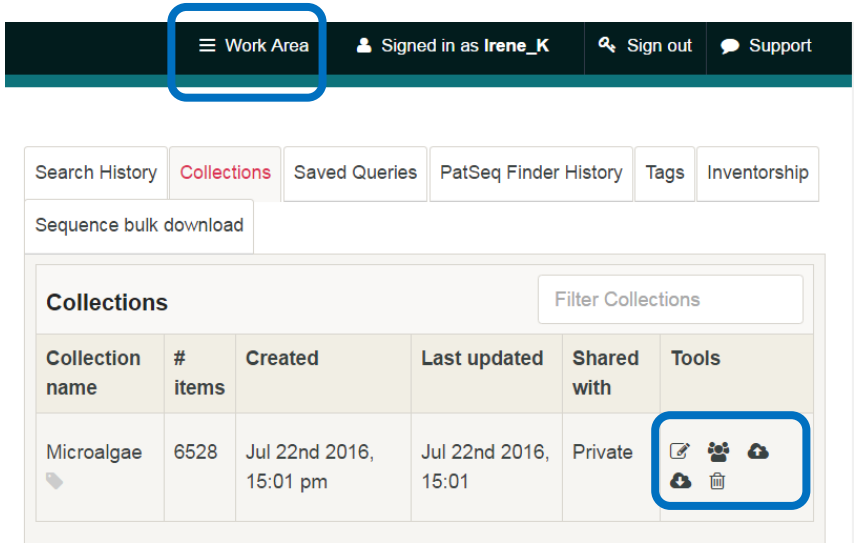
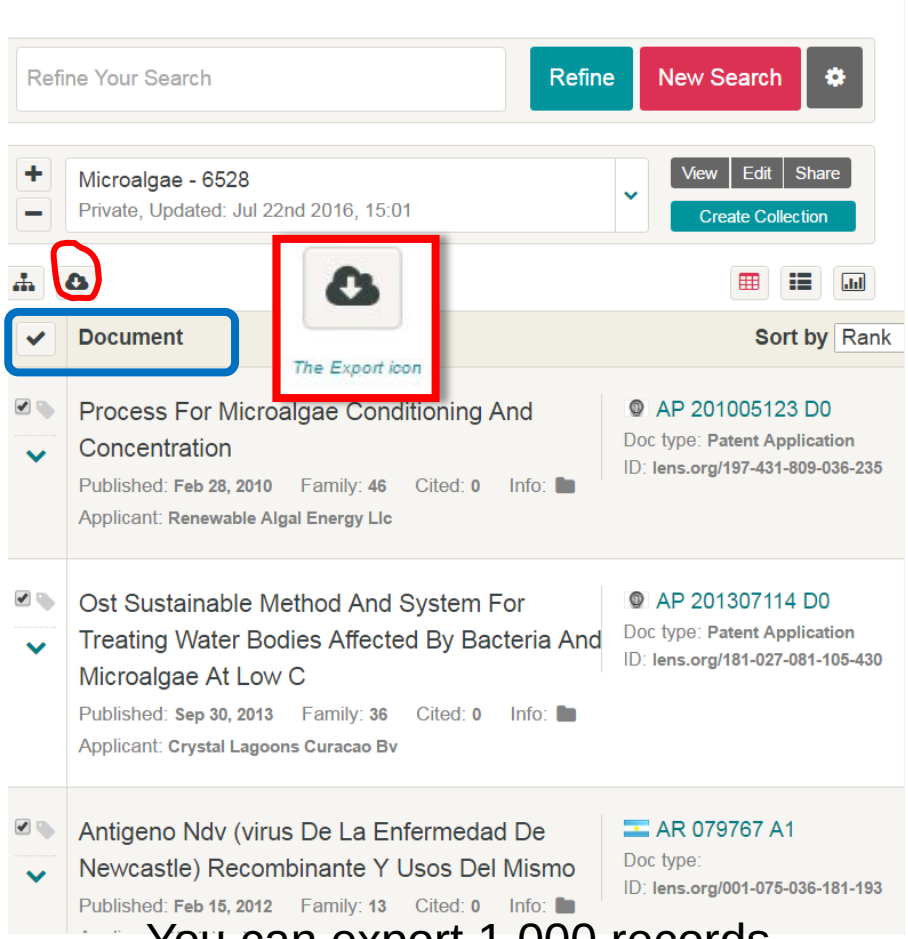
How can you export data from the Lens?

From your work area



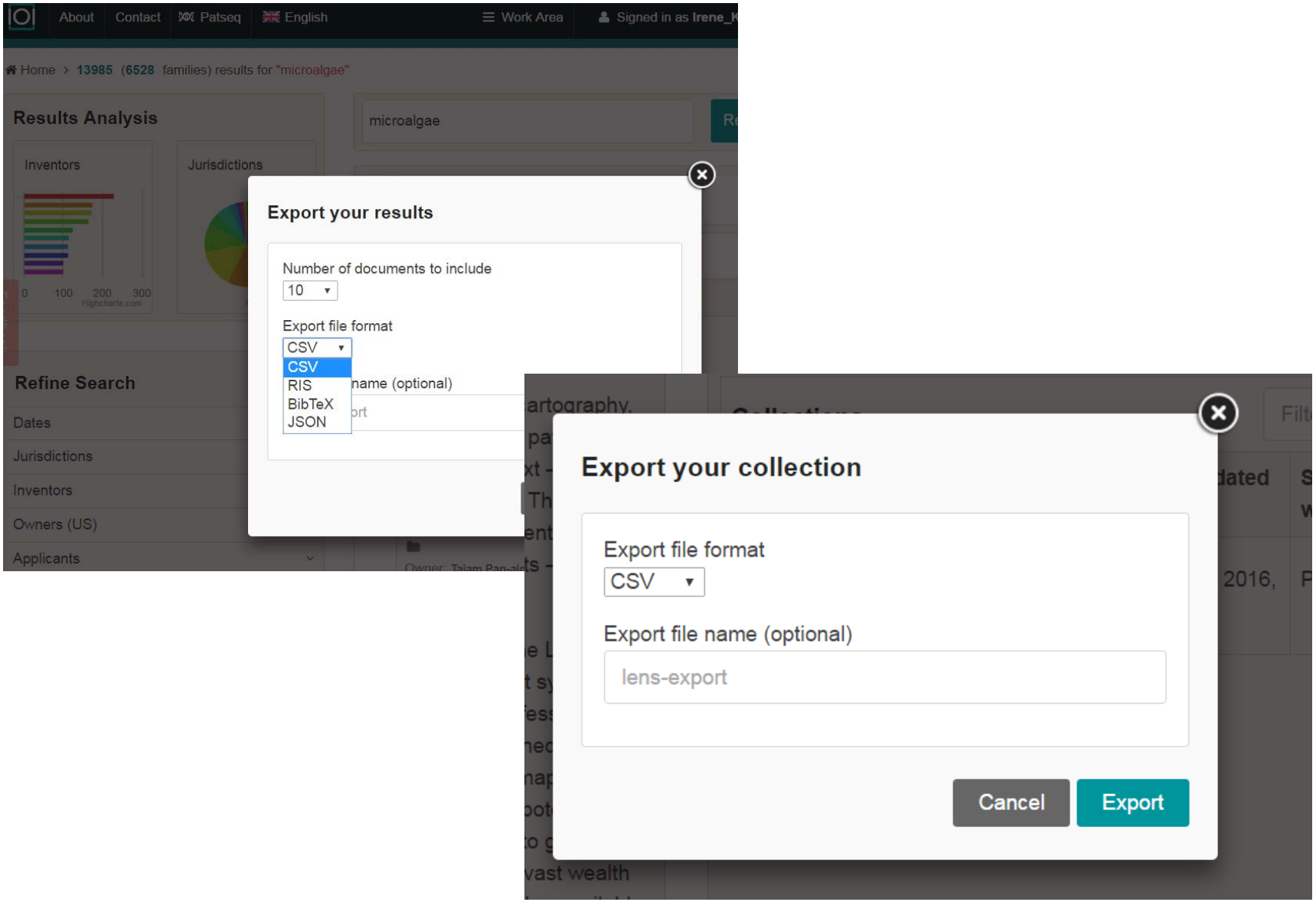
You can export 10.000 results

From your search results



You can export 1.000 records

The Lens: Exporting the search results



The exported drones TAC collection in .csv

Jurisdiction	Kind	Publication	Lens ID	Publication	Publication	Application	Application	Priority Nu	Title	Applicants	Inventors	URL	Type	Full Text
AT	B	AT 399980	062-291-6	########	1995	AT 33585 A	########	AT 33585 A	Double-sto	MARKOWETZ FRANZ		https://len	unknown	no
AT	T	AT 556755	005-506-9	########	2012	AT 111531	########	FR 105175	Verfahren	PARROT	SEYDOUX H	https://len	unknown	no
BE	A1	BE 905621	045-320-0	########	1987	BE 217307	########	BE 217307	Eliminating	SANDERS	PROBEL BIO	https://len	Granted Pa	no
BG	A1	BG 46357 A	026-906-1	########	1989	BG 487397	########	BG 487397	System For	TS LAB ZA	KUPRIJANC	https://len	Limited Pa	no
BG	A1	BG 46356 A	177-253-7	########	1989	BG 336497	########	BG 336497	System For	INST TEKH	ZAPRJANO	https://len	Limited Pa	no
BG	A1	BG 33016 A	080-497-5	########	1982	BG 535388	########	BG 535388	Method Fo	MONOV	MONOV	https://len	Limited Pa	no
BG	A1	BG 46358 A	024-343-6	########	1989	BG 487408	########	BG 487408	System For	TS LAB ZA	KUPRIJANC	https://len	Limited Pa	no
BR	A2	BR 102013	147-888-3	########	2015	BR 102013	########	FR 120361	MÃ©todo	THALES SA	TOURET M	https://len	Patent App	no
CA	A	CA 100114	088-472-9	########	1976	CA 180097	########	GB 407217	Flight Vehi	SHORT BRO	JOHNSTON	https://len	unknown	no
CA	A	CA 101046	135-275-7	########	1977	CA 209347	########	US 445153	Radar-augr	NORTHROI	BENNECHE	https://len	unknown	no
CA	A	CA 106609	183-683-6	########	1979	CA 256718	########	US 598134	Rate Integr	CANADAIR	HUVERS M	https://len	unknown	no
CA	A	CA 113993	094-690-6	########	1983	CA 349519	########	US 361477	Gyroscopic	CANADAIR	HUVERS M	https://len	unknown	no
CA	A	CA 114475	091-108-7	########	1983	CA 333600	########	US 125447	Wandering	IDEAL TOY	COOPER JU	https://len	unknown	no
CA	A	CA 114835	189-009-2	########	1983	CA 409888	########	US 747441	Toy Vehicle	CBS INC	RYAN JOH	https://len	unknown	no
CA	A	CA 124111	020-812-9	########	1988	CA 501416	########	FR 850184	Simulator,	AEROSPAT	CHASSAIGN	https://len	unknown	no
CA	A	CA 947277	065-218-7	########	1974	CA 131423	########	DE 206485	6alpha-fluc	SCHERING	KERB ULRI	https://len	unknown	no
CA	A	CA 971150	005-305-5	########	1975	CA 152732	########	US 184891	Precessor F	KLING ALBI	KLING ALBI	https://len	unknown	no
CA	A1	CA 217042	110-930-2	########	1997	CA 217042	########	CA 217042	Bollet Nose	KYLE NORM	KYLE NORM	https://len	Patent App	no
CA	A1	CA 233437	091-325-9	########	2000	CA 233437	########	DE 198286	Method Of	LFK GMBH	GAUGGEL I	https://len	Patent App	no
CA	A1	CA 240900	142-434-3	########	2003	CA 240900	########	US 999629	Bagpipe Re	ROSS BAGF	ROSS GEOF	https://len	Patent App	no
CA	A1	CA 246754	039-786-0	########	2003	CA 246754	########	US 333035	Transactior	BURCHETT	BURCHETT	https://len	Patent App	no
CA	A1	CA 254025	083-000-1	########	2006	CA 254025	########	FR 050287	Gas Stream	SNECMA	BEUTIN BR	https://len	Patent App	no
CA	A1	CA 253380	010-284-2	########	2005	CA 253380	########	US 490318	Body Capa	POWER MI	FORTH BRA	https://len	Patent App	no
CA	A1	CA 258194	022-880-4	########	2008	CA 258194	########	US 598636	Beehive Fra	SINANIS ST	SINANIS JO	https://len	Patent App	no

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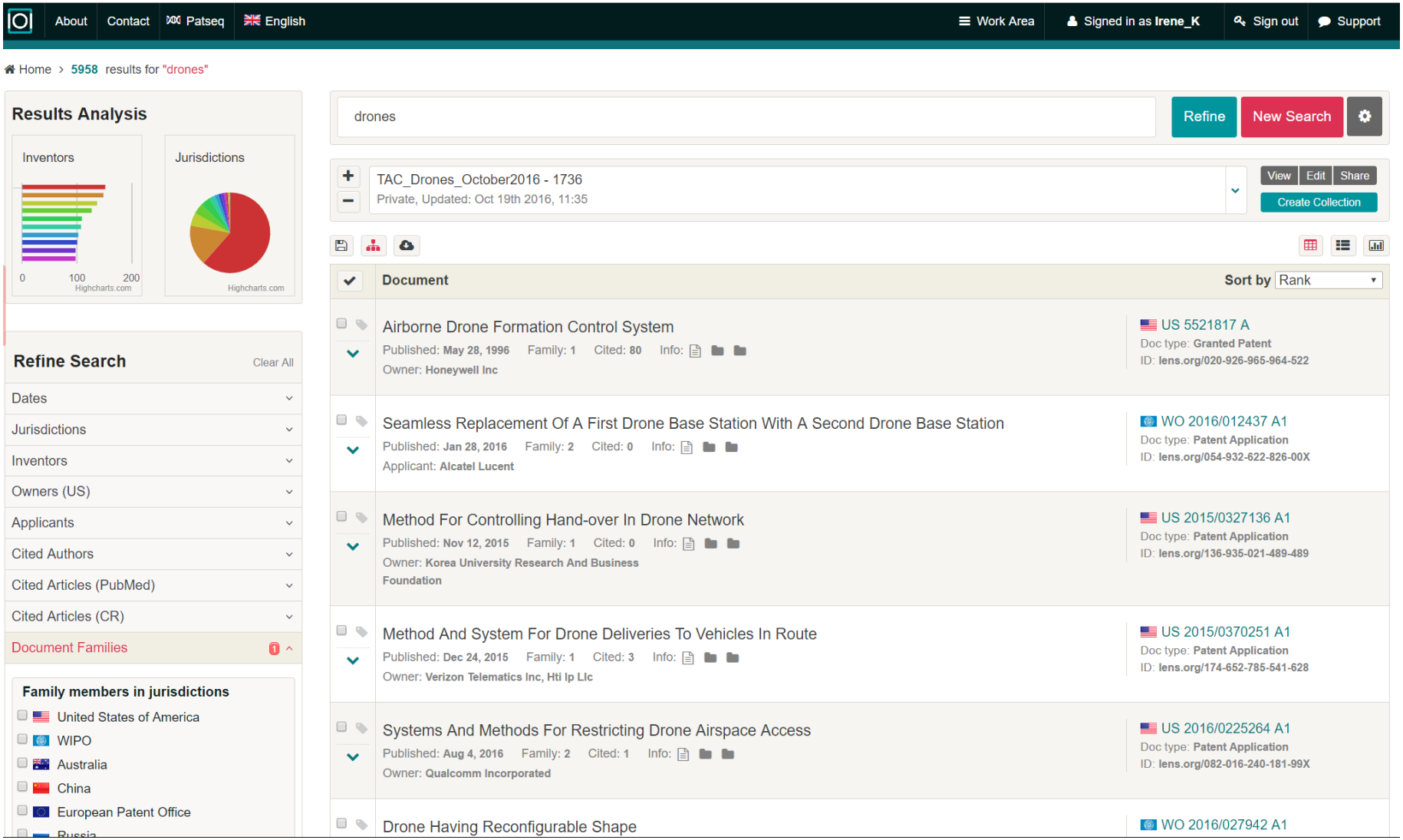
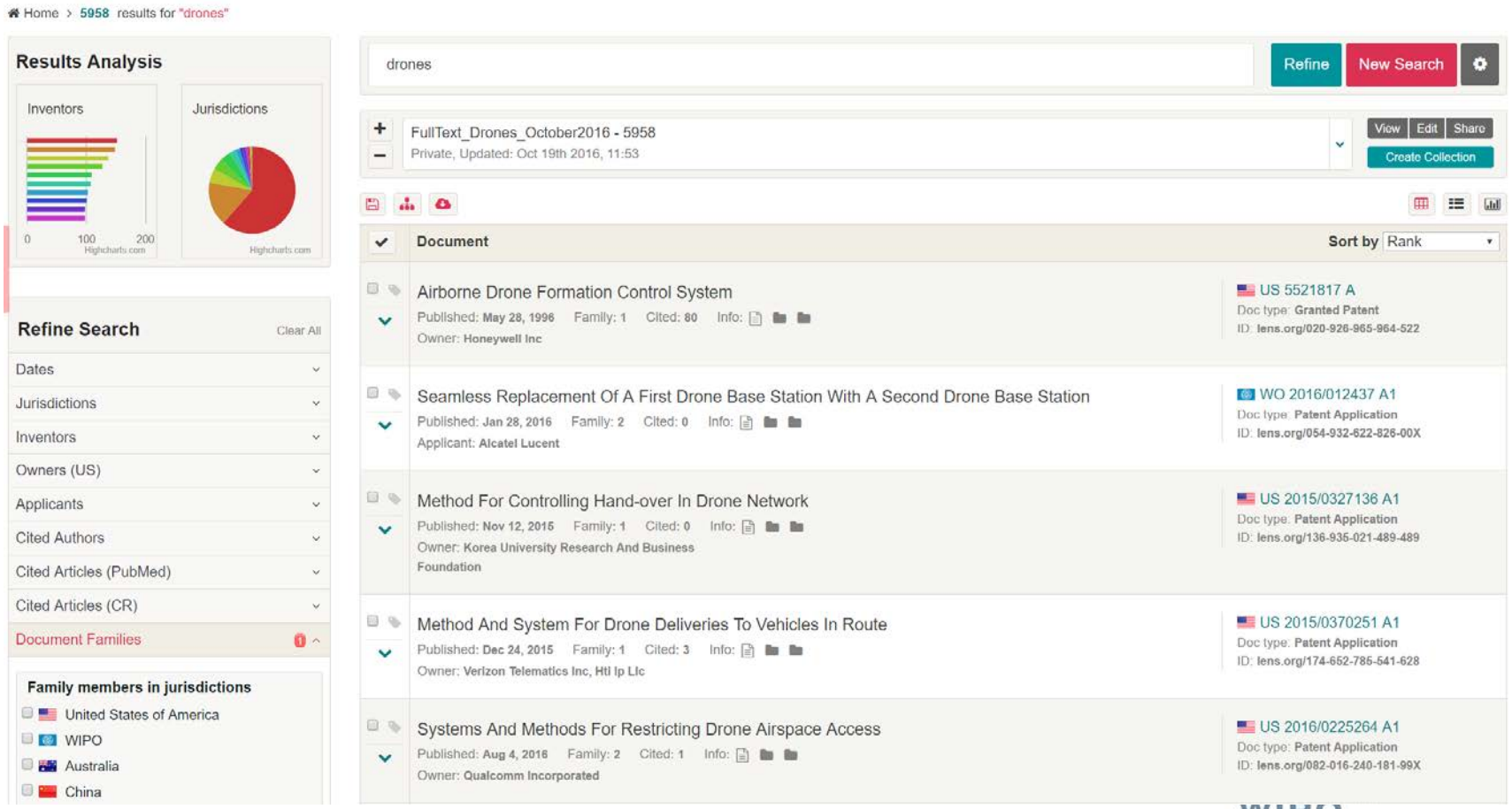
Now your turn…look for drones in full text…



Create a Full-text collection



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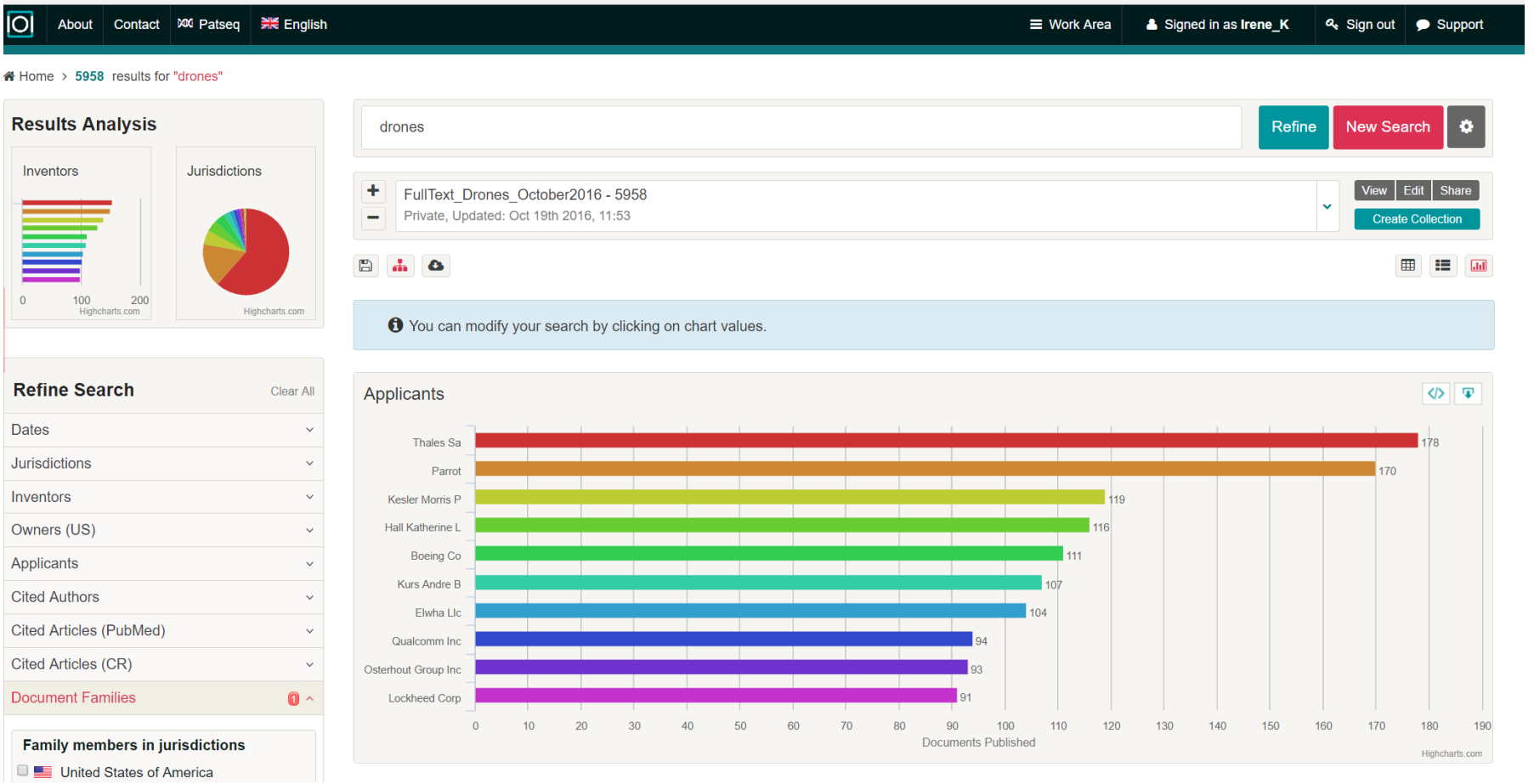
Drones full text search results

- A. Go on the Lens analysis area: who is the top applicant in patent filings related to drones (FT)?
- B. Who is the main inventor of the top applicant?
- C. What is the major cited patent?
- D. Create a collection from your search results, name it “Drones FT”, export the collection, and share it with the colleague sitting next to you.
- How do you make sure to export all your results?

Who is the key applicant in the FT collection?



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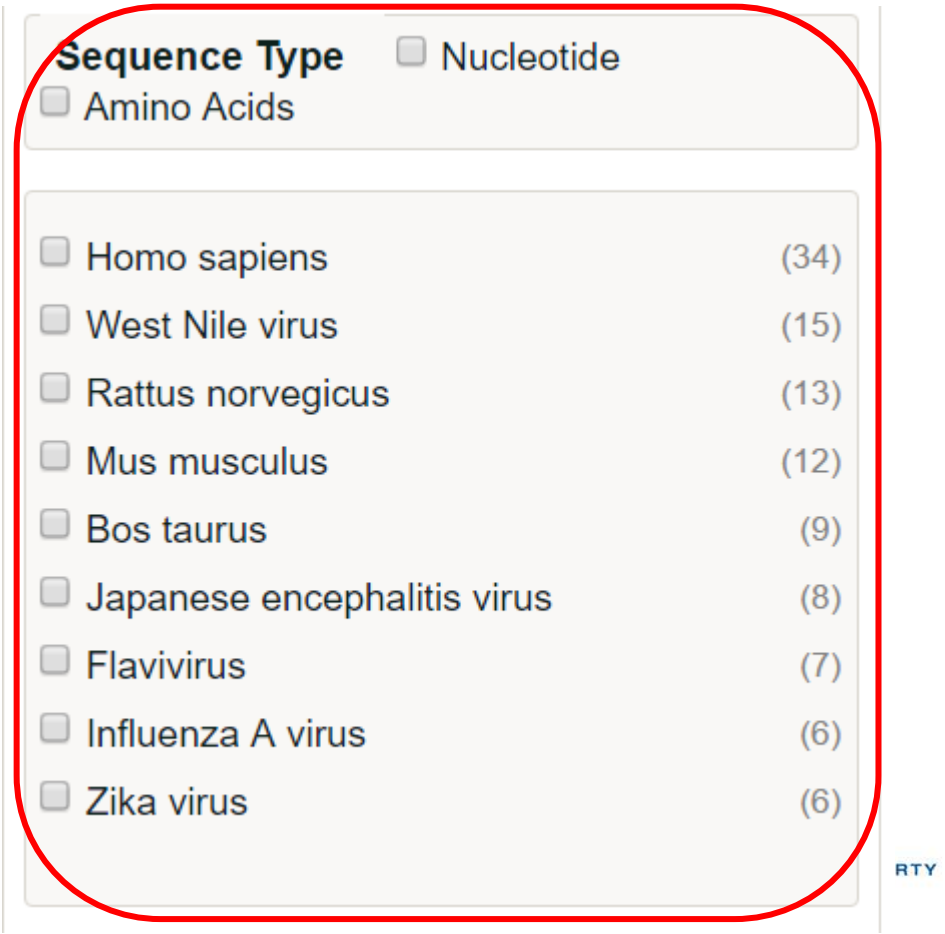
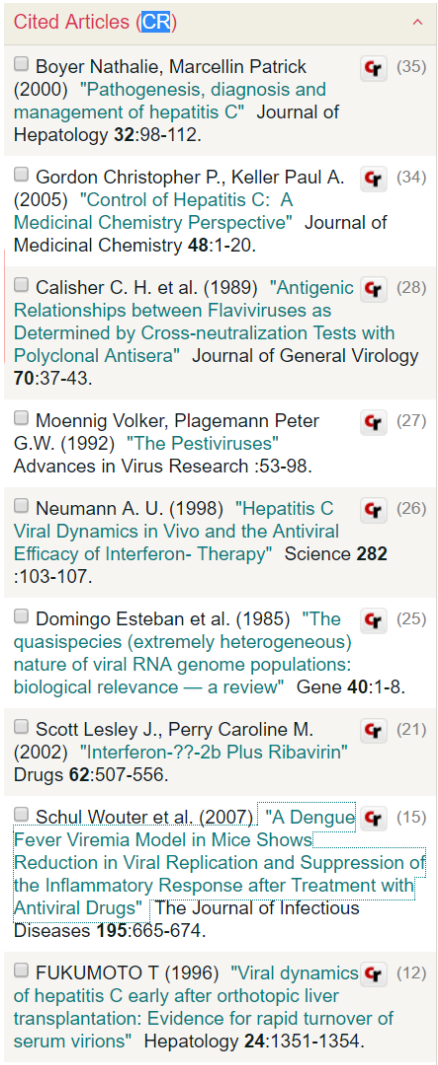
Patent search results and biologicals information

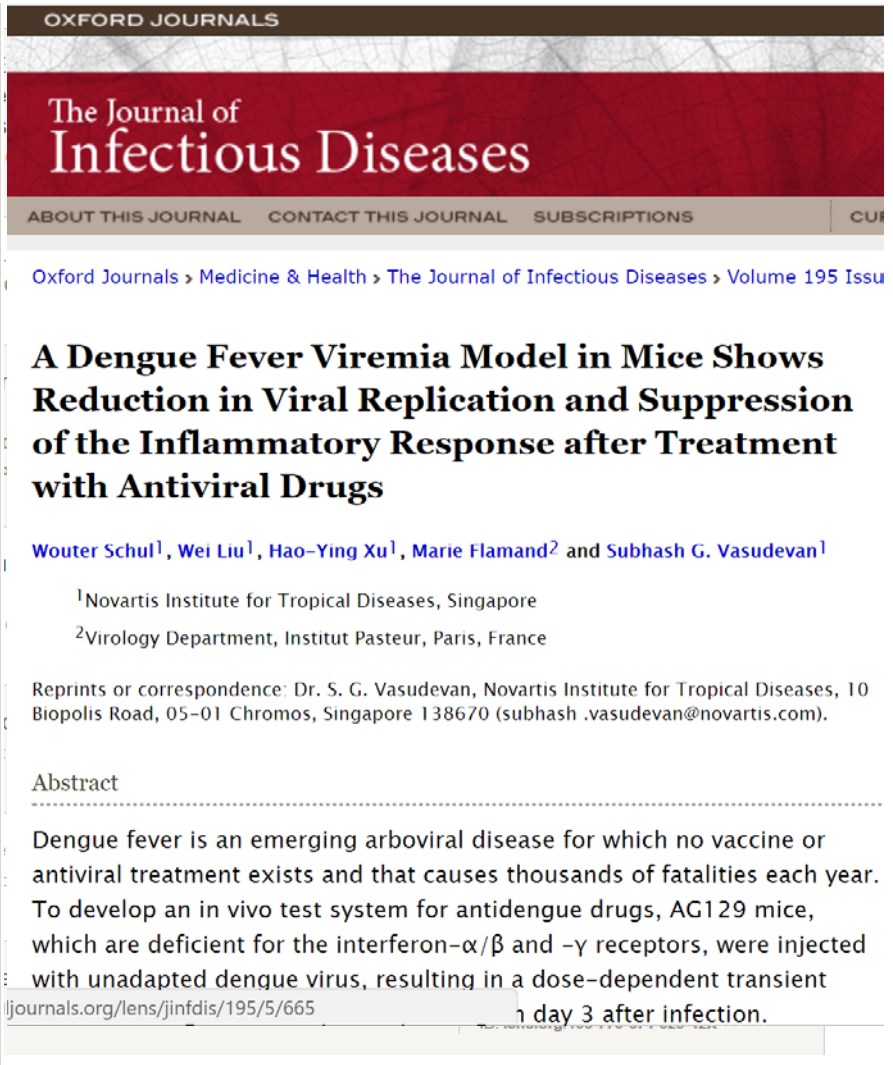
- Search for “zika virus”
- Go to the left side of your pane….



Patent search results and scientific literature on Lens

- Go to your collection and check the left side of your left pane





Cited Articles (PubMed)

McEleney K et al. (2006) "Functionalized mesoporous silicates for the removal of ruthenium from reaction mixtures." Org. Lett. **8**:2663-6. (6)

Patel J et al. (2005) "Cross-metathesis of unsaturated natural oils with 2-butene. High conversion and productive catalyst turnovers." Chem. Commun. (Camb.) :5546-7. (5)

Mosley SA et al. (2007) "Effect of varying levels of fatty acids from palm oil on feed intake and milk production in Holstein cows." J. Dairy Sci. **90**:987-93. (5)

Chew TL, Bhatia S. (2008) "Catalytic processes towards the production of biofuels in a palm oil and oil palm biomass-based biorefinery." Bioresour. Technol. **99**:7911-22. (5)

Paquette LA et al. (2000) "A convenient method for removing all highly-colored byproducts generated during olefin metathesis reactions" Org. Lett. **2**:1259-61. (4)

Cho JH, Kim BM. (2003) "An efficient method for removal of ruthenium byproducts from olefin metathesis reactions." Org. Lett. **5**:531-3. (4)

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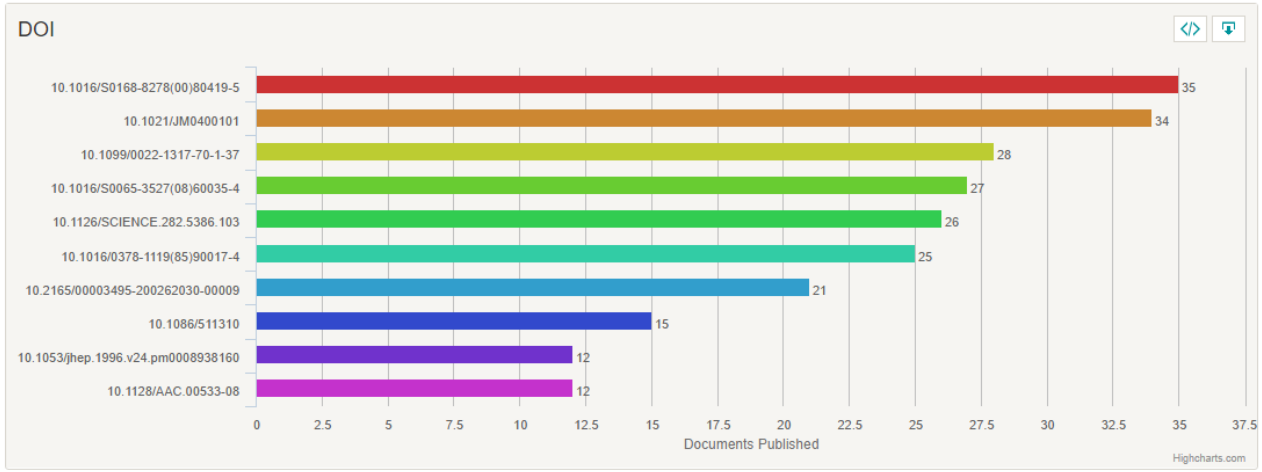

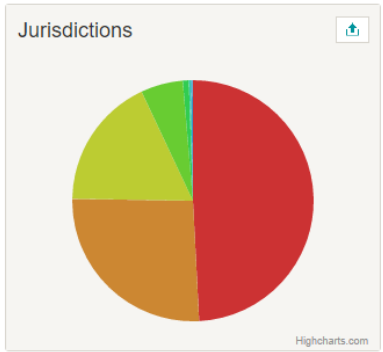

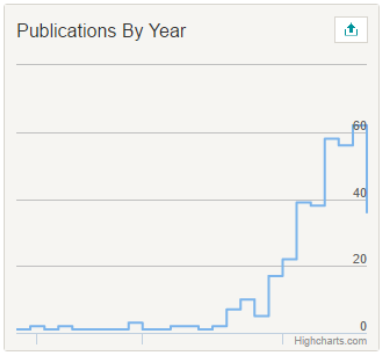

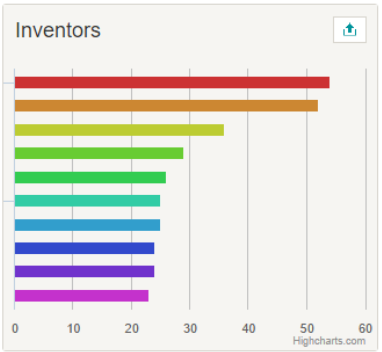

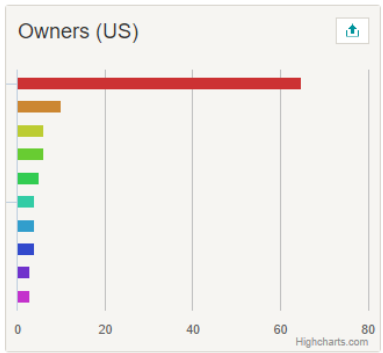

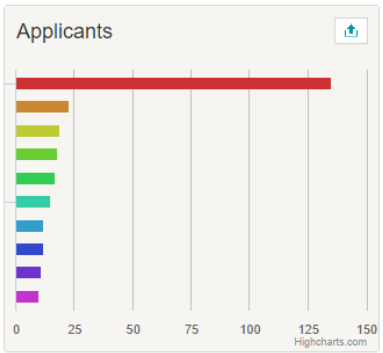

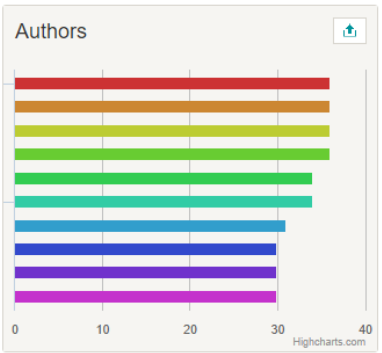

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