Supporting Information

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Table S1. Number of publications and citations for the period 2000-2023

Year	Publications	Citations
2000	0	0
2001	4	1
2002	4	7
2003	7	21
2004	16	63
2005	13	157
2006	15	234
2007	27	303
2008	20	477
2009	31	773
2010	21	812
2011	30	976
2012	43	977
2013	64	1227
2014	68	1336
2015	113	1818
2016	155	2220
2017	196	3312
2018	271	4330
2019	513	7249
2020	665	13,171
2021	1032	23,308
2022	1242	32,562
2023	1503	43,456

Table S2. Top 20 most relevant institutions

Rank	Institutions	Articles
1	University of California	442
2	Harvard University	389
3	Chinese Academy of Sciences	360
4	United States Environmental Protection Agency	355
5	State University of New York	240
6	University of North Carolina	238
7	Florida State University	228
8	Shanghai Jiao Tong University	196
9	Harvard T.H. Chan School of Public Health	195
10	Aarhus University	177
11	University of Southern Denmark	173
12	University of Florida	154
13	Ohio University State	152
14	Centers for Disease Control and Prevention - America	150
15	University of North Carolina Chapel Hill	148
16	North Carolina State University	143
17	Örebro University	138
18	University of Illinois	138
19	Colorado School of Mines	135
20	Swedish University of Agricultural Sciences	135

Table S3. Top 20 authors in the field of PFASs

Rank	Author	h-index	g-index	m-index	TC	NOP	SPY
1	Ahrens L	36	65	2.00	4416	85	2007
2	Calafat AM	35	57	3.18	3691	100	2014
3	Higgins CP	32	74	2.91	5588	76	2014
4	Kannan K	32	63	1.52	4046	66	2004
5	Haug LS	30	50	2.50	2925	50	2013
6	Grandjean P	29	55	2.64	3116	65	2014
7	Cousins IT	27	41	2.25	4347	41	2013
8	Herzke D	26	48	1.53	2945	48	2008
9	Ebinghaus R	25	30	1.39	1861	30	2007
10	Field JA	25	54	2.08	2993	58	2013
11	Munoz G	25	41	2.50	1910	41	2015
12	Yeung LWY	25	45	1.47	2439	45	2008
13	Kärrman A	24	34	1.33	1832	34	2007
14	Liu JX	24	41	2.40	1747	43	2015
15	Benskin JP	23	41	1.44	1762	42	2009
16	Brusseau ML	23	40	3.29	1909	40	2018
17	Sun HW	23	42	2.09	1769	43	2014
18	Wang ZY	23	36	2.30	4458	36	2015
19	Berger U	22	27	1.05	2292	27	2004
20	Braun JM	22	41	2.44	1701	42	2016

TC= total citations; NOP= number of publications; SPY= start of publication year

Table S4. The main keywords of different clustering

No.	Yellow	Blue	Green	Red
1	acids	perfluorinated compounds	PFAS	perfluoroalkyl substances
2	perfluoroalkyl acids	perfluorooctane sulfonate	polyfluoroalkyl substances	PFOA
3	fate	PFASs	water	exposure
4	transport	temporal trends	sorption	chemicals
5	surfactants	surface-water	removal	association
6	precursors	bioaccumulation	sulfonate	prenatal exposure
7	carboxylic-acids	contaminants	groundwater	serum
8	mass-spectrometry	human exposure	drinking-water	toxicity
9	biotransformation	accumulation	film-forming foam	health
10	fluorotelomer alcohols	food	adsorption	cord blood

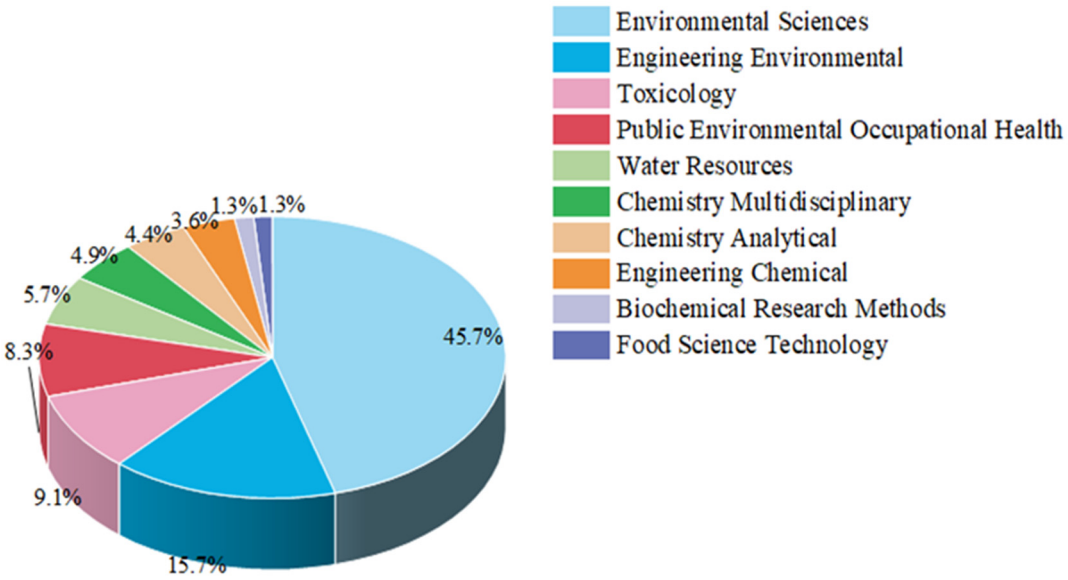


Figure S1. Pie chart of categories of PFASs research

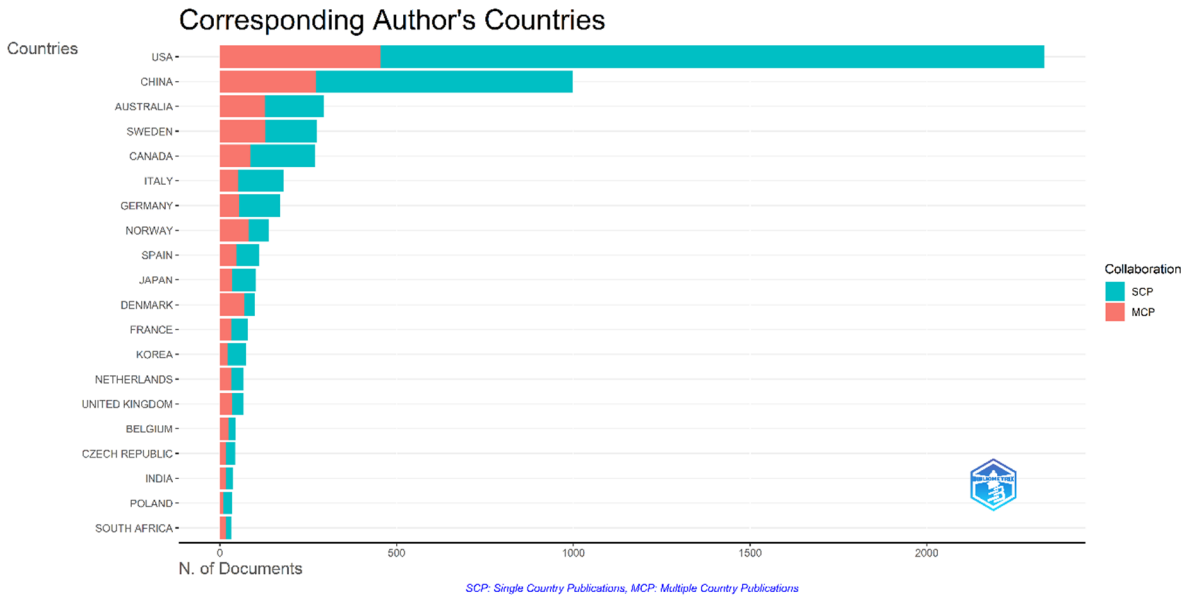
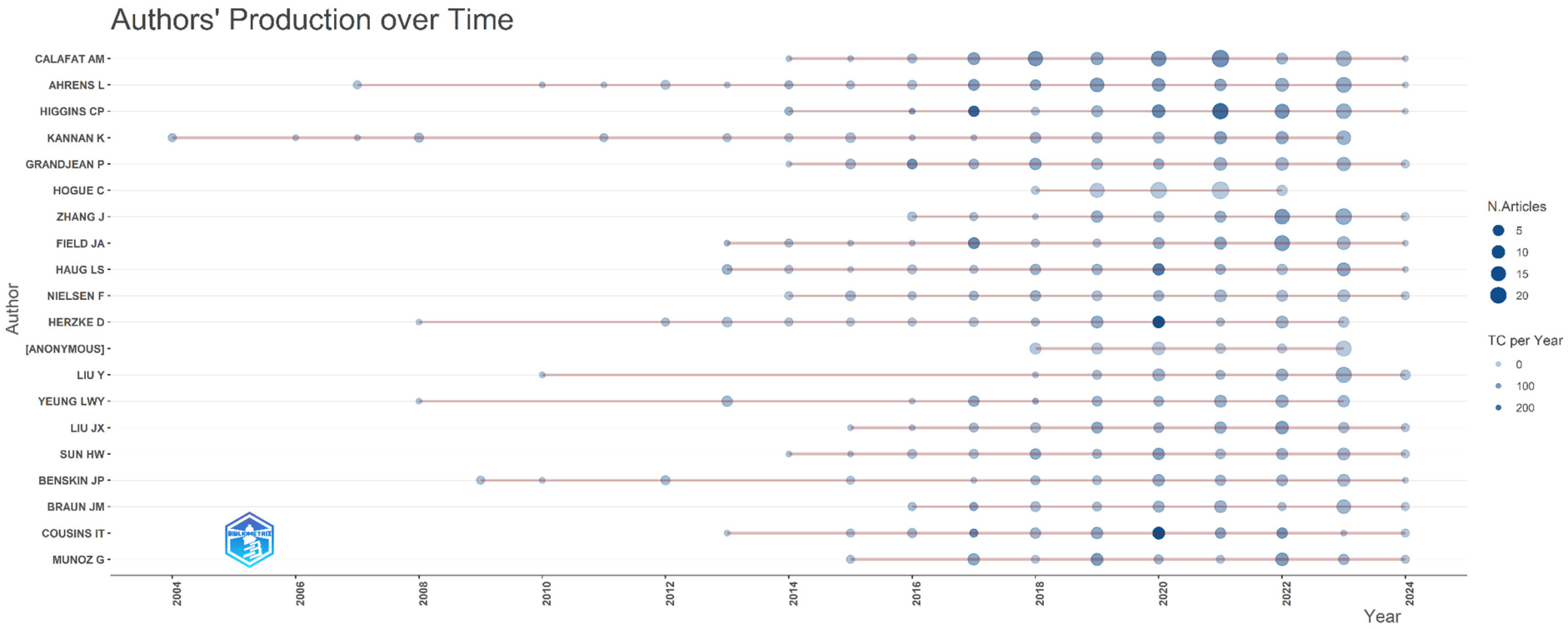


Figure S2. Volume map of major countries



N.Articles=number of articles; TC per Year=total citations per year

Figure S3. The output of the top 20 authors over time

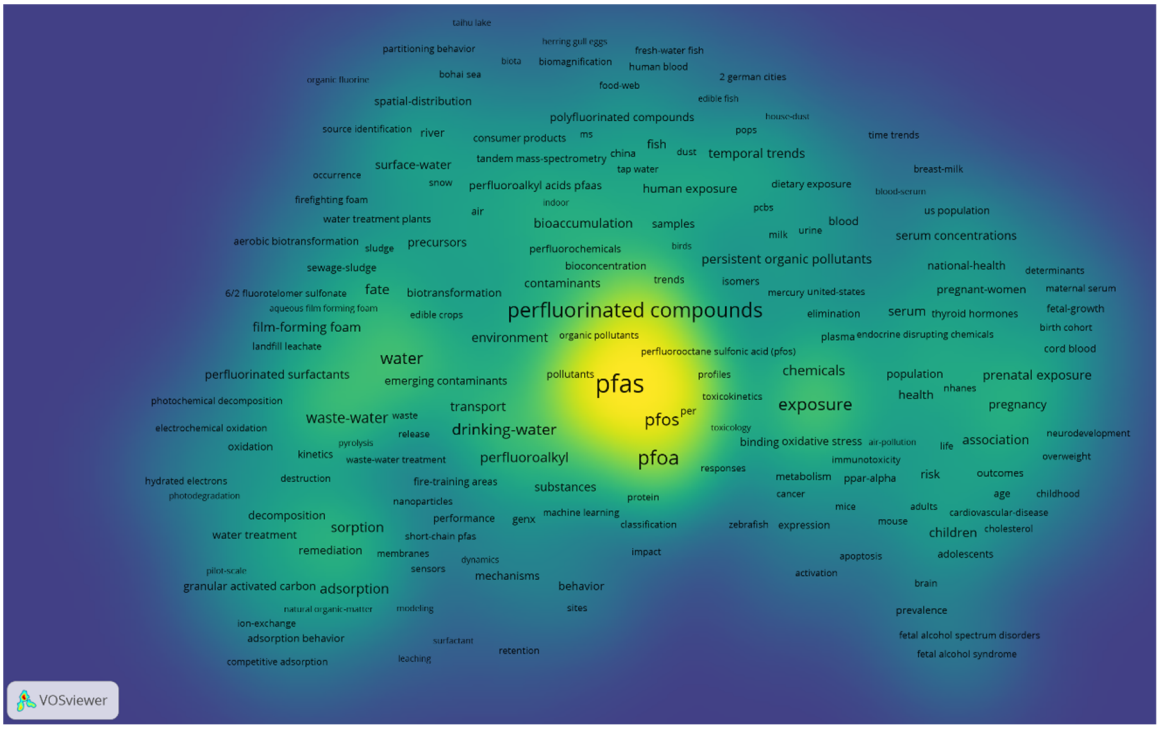


Figure S4. Keyword item density view



Figure S5. Top 25 keywords with the strongest citation bursts