

# David Cohen

## List of Publications by Year in descending order

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52  
papers

1,114  
citations

361296

20  
h-index

434063

31  
g-index

54  
all docs

54  
docs citations

54  
times ranked

904  
citing authors

#	ARTICLE	IF	CITATIONS
1	The efficiency of fractal techniques in geochemical anomaly delineation within BLEG and $180\hat{=}4m$ stream sediments in Western Turkey. <i>Journal of Geochemical Exploration</i> , 2022, 236, 106957.	1.5	7
2	Stability and trace element composition of natural schwertmannite precipitated from acid mine drainage. <i>Applied Geochemistry</i> , 2022, 143, 105370.	1.4	10
3	Biogeochemical response of <i>Pinus brutia</i> and <i>Olea europaea</i> to lithological variations and Cu mineralisation in Cyprus. <i>Science of the Total Environment</i> , 2021, 759, 143434.	3.9	3
4	Controls on soil geochemistry fractal characteristics in Lemesos (Limassol), Cyprus. <i>Journal of Geochemical Exploration</i> , 2021, 220, 106682.	1.5	14
5	Category-based fractal modelling: A novel model to integrate the geology into the data for more effective processing and interpretation. <i>Journal of Geochemical Exploration</i> , 2021, 226, 106783.	1.5	32
6	Nickel Uptake by Cypress Pine ( <i>Callitris glaucophylla</i> ) in the Miandetta Area, Australia: Implications for Use in Biogeochemical Exploration. <i>Minerals (Basel, Switzerland)</i> , 2021, 11, 808.	0.8	3
7	Concentration-distance from centroids (C-DC) multifractal modeling: A novel approach to characterizing geochemical patterns based on sample distance from mineralization. <i>Ore Geology Reviews</i> , 2021, 137, 104302.	1.1	20
8	Assessment of Various Fuzzy c-Mean Clustering Validation Indices for Mapping Mineral Prospectivity: Combination of Multifractal Geochemical Model and Mineralization Processes. <i>Natural Resources Research</i> , 2020, 29, 229-246.	2.2	27
9	Siderophore-Assisted Dissolution of Iron(III) Hydroxide Oxides from Iron-Rich Fossil Matrices. <i>ChemPlusChem</i> , 2020, 85, 1747-1753.	1.3	0
10	Comparison between the geochemical response of BLEG and fine fraction stream sediments to mineralization in the Eastern Black Sea region, Turkey. <i>Journal of Geochemical Exploration</i> , 2020, 217, 106609.	1.5	6
11	Mineral distribution and provenance of heavy mineral sands (zircon, ilmenite, rutile) deposits from the NW Murray Basin, far western NSW, Australia. <i>Australian Journal of Earth Sciences</i> , 2020, 67, 575-590.	0.4	5
12	Biogeochemical mapping of metal contamination from mine tailings using field-portable XRF. <i>Science of the Total Environment</i> , 2019, 662, 404-413.	3.9	24
13	Bivariate probability plots: A method for delineating different populations in soil geochemical data. <i>Science of the Total Environment</i> , 2019, 671, 1047-1055.	3.9	3
14	Geochemical pattern recognition through matrix decomposition. <i>Ore Geology Reviews</i> , 2019, 104, 670-685.	1.1	7
15	Spatial distribution and controls on organic and inorganic carbon in the soils of Cyprus. <i>Journal of Geochemical Exploration</i> , 2019, 196, 95-104.	1.5	13
16	Geochemical Prospectivity Mapping Through a Feature Extraction-Selection Classification Scheme. <i>Natural Resources Research</i> , 2019, 28, 849-865.	2.2	6
17	In-situ inorganic analysis of coal seams using a hand-held field-portable XRF Analyser. <i>International Journal of Coal Geology</i> , 2018, 191, 172-188.	1.9	10
18	Profiling of inorganic elements in coal seams using laboratory-based core scanning X-ray fluorescence techniques. <i>International Journal of Coal Geology</i> , 2018, 191, 158-171.	1.9	8

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19	Land use influences on soil geochemistry in Lefkosia (Nicosia) Cyprus. Journal of Geochemical Exploration, 2018, 187, 6-20.	1.5	15
20	Environmental justice analyses may hide inequalities in Indigenous people's exposure to lead in Mount Isa, Queensland. Environmental Research Letters, 2018, 13, 084004.	2.2	7
21	Can geophysics and geochemistry combine to detect mineralisation under transported cover?. ASEG Extended Abstracts, 2018, 2018, 1-6.	0.1	0
22	Geochemical exploration for vertebrate fossils using field portable XRF. Journal of Geochemical Exploration, 2017, 181, 1-9.	1.5	18
23	Comparison between the effectiveness of regional BLEG and 80# stream sediment geochemistry in detection of precious and base metal mineral deposits in Western Turkey. Journal of Geochemical Exploration, 2017, 181, 69-80.	1.5	22
24	The regional geochemical baseline soil survey of southern New Zealand: Design and initial interpretation. Journal of Geochemical Exploration, 2016, 167, 70-82.	1.5	34
25	Application of singular value decomposition (SVD) and semi-discrete decomposition (SDD) techniques in clustering of geochemical data: an environmental study in central Iran. Stochastic Environmental Research and Risk Assessment, 2016, 30, 1947-1960.	1.9	11
26	Modelling soil salinity across a gilgai landscape by inversion of EM38 and EM31 data. European Journal of Soil Science, 2015, 66, 951-960.	1.8	24
27	Reflections of the geological characteristics of Cyprus in soil rare earth element patterns. Applied Geochemistry, 2015, 56, 80-93.	1.4	25
28	Analysis of Coal Cores Using Micro-XRF Scanning Techniques. Developments in Paleoenvironmental Research, 2015, , 601-612.	7.5	2
29	Metal speciation in agricultural soils adjacent to the Irankuh Pb-Zn mining area, central Iran. Journal of African Earth Sciences, 2015, 101, 186-193.	0.9	15
30	A feasibility study to inform the design of a randomised controlled trial to identify the most clinically effective and cost-effective length of Anticoagulation with Low-molecular-weight heparin in the treatment of Cancer-Associated Thrombosis (ALICAT). Health Technology Assessment, 2015, 19, 1-94.	1.3	26
31	Calibration for ED-XRF profiling of coal cores for the Itrax Core Scanner. Powder Diffraction, 2014, 29, S28-S34.	0.4	12
32	Distribution of water-soluble inorganic ions in the soils of Cyprus. Journal of Geochemical Exploration, 2014, 146, 1-8.	1.5	13
33	Quantitative chemical profiling of coal using core-scanning X-ray fluorescence techniques. International Journal of Coal Geology, 2014, 128-129, 55-67.	1.9	30
34	A comparison of fractal methods and probability plots in identifying and mapping soil metal contamination near an active mining area, Iran. Science of the Total Environment, 2013, 463-464, 845-854.	3.9	31
35	Anthropogenic versus lithological influences on soil geochemical patterns in Cyprus. Geochemistry: Exploration, Environment, Analysis, 2012, 12, 349-360.	0.5	28
36	Geochemical patterns in the soils of Cyprus. Science of the Total Environment, 2012, 420, 250-262.	3.9	61

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37	Major advances in exploration geochemistry, 1998â€“2007. <i>Geochemistry: Exploration, Environment, Analysis</i> , 2010, 10, 3-16.	0.5	80
38	FLUID INCLUSION AND STABLE ISOTOPE STUDY OF THE ESFORDI APATITE-MAGNETITE DEPOSIT, CENTRAL IRAN-A REPLY. <i>Economic Geology</i> , 2009, 104, 140-143.	1.8	16
39	Geochemical effects of deeply buried Cuâ€“Au mineralization on transported regolith in an arid terrain. <i>Geochemistry: Exploration, Environment, Analysis</i> , 2009, 9, 227-236.	0.5	13
40	Fluid Inclusion and Stable Isotope Study of the Esfordi Apatite-Magnetite Deposit, Central Iran. <i>Economic Geology</i> , 2007, 102, 1111-1128.	1.8	80
41	Contrasting dispersion patterns for gold in stream sediments at Timbarra, NSW, Australia. <i>Journal of Geochemical Exploration</i> , 2005, 85, 1-16.	1.5	14
42	Fractally Invariant Distributions and an Application in Geochemical Exploration. <i>Mathematical Geosciences</i> , 2005, 37, 895-913.	0.9	21
43	Optimization of partial extraction chemistry for buffered acetate and hydroxylamine leaches. <i>Geochemistry: Exploration, Environment, Analysis</i> , 2005, 5, 279-285.	0.5	9
44	Interaction of aqueous Au species with goethite, smectite and kaolinite. <i>Geochemistry: Exploration, Environment, Analysis</i> , 2004, 4, 279-287.	0.5	18
45	Identification of potential for methane ignition by rock friction in Australian coal mines. <i>International Journal of Coal Geology</i> , 2001, 45, 91-103.	1.9	21
46	A comparison of unsupervised neural networks and k-means clustering in the analysis of multi-element stream sediment data. <i>Geochemistry: Exploration, Environment, Analysis</i> , 2001, 1, 119-134.	0.5	24
47	Comparison of vegetation and stream sediment geochemical patterns in northeastern New South Wales. <i>Journal of Geochemical Exploration</i> , 1999, 66, 469-489.	1.5	43
48	Quantitative mineralogy of sandstones by X-ray diffractometry and normative analysis. <i>Journal of Sedimentary Research</i> , 1999, 69, 1050-1062.	0.8	67
49	A comparison of selective extraction soil geochemistry and biogeochemistry in the Cobar area, New South Wales. <i>Journal of Geochemical Exploration</i> , 1998, 61, 173-189.	1.5	39
50	A new type of synthetic geochemical reference materialâ€”SynTERM. <i>Analyst, The</i> , 1995, 120, 1327-1334.	1.7	2
51	SEDNORMâ€”a program to calculate a normative mineralogy for sedimentary rocks based on chemical analyses. <i>Computers and Geosciences</i> , 1991, 17, 1235-1253.	2.0	60
52	Biogeochemistry: A geochemical method for gold exploration in the Canadian Shield. <i>Journal of Geochemical Exploration</i> , 1987, 29, 49-73.	1.5	34