David Cohen

List of Publications by Year
in descending order

52	1,114	361296	434063
papers	citations	20 h-index	31 g-index

54	54	54	904
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Fluid Inclusion and Stable Isotope Study of the Esfordi Apatite-Magnetite Deposit, Central Iran. Economic Geology, 2007, 102, 1111-1128.	1.8	80
2	Major advances in exploration geochemistry, 1998â€“2007. Geochemistry: Exploration, Environment, Analysis, 2010, 10, 3-16.	0.5	80
3	Quantitative mineralogy of sandstones by X-ray diffractometry and normative analysis. Journal of Sedimentary Research, 1999, 69, 1050-1062.	0.8	67
4	Geochemical patterns in the soils of Cyprus. Science of the Total Environment, 2012, 420, 250-262.	3.9	61
5	SEDNORMâ€”a program to calculate a normative mineralogy for sedimentary rocks based on chemical analyses. Computers and Geosciences, 1991, 17, 1235-1253.	2.0	60
6	Comparison of vegetation and stream sediment geochemical patterns in northeastern New South Wales. Journal of Geochemical Exploration, 1999, 66, 469-489.	1.5	43
7	A comparison of selective extraction soil geochemistry and biogeochemistry in the Cobar area, New South Wales. Journal of Geochemical Exploration, 1998, 61, 173-189.	1.5	39
8	Biogeochemistry: A geochemical method for gold exploration in the Canadian Shield. Journal of Geochemical Exploration, 1987, 29, 49-73.	1.5	34
9	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
10	Category-based fractal modelling: A novel model to integrate the geology into the data for more effective processing and interpretation. Journal of Geochemical Exploration, 2021, 226, 106783.	1.5	32
11	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
12	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
13	Anthropogenic versus lithological influences on soil geochemical patterns in Cyprus. Geochemistry: Exploration, Environment, Analysis, 2012, 12, 349-360.	0.5	28
14	Assessment of Various Fuzzy c-Mean Clustering Validation Indices for Mapping Mineral Prospectivity: Combination of Multifractal Geochemical Model and Mineralization Processes. Natural Resources Research, 2020, 29, 229-246.	2.2	27
15	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
16	Reflections of the geological characteristics of Cyprus in soil rare earth element patterns. Applied Geochemistry, 2015, 56, 80-93.	1.4	25
17	A comparison of unsupervised neural networks and k-means clustering in the analysis of multi-element stream sediment data. Geochemistry: Exploration, Environment, Analysis, 2001, 1, 119-134.	0.5	24
18	Modelling soil salinity across a gilgai landscape by inversion of <scp>EM38</scp> and <scp>EM31</scp> data. European Journal of Soil Science, 2015, 66, 951-960.	1.8	24

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19	Biogeochemical mapping of metal contamination from mine tailings using field-portable XRF. Science of the Total Environment, 2019, 662, 404-413.	3.9	24
20	Comparison between the effectiveness of regional BLEG and â˜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
21	Identification of potential for methane ignition by rock friction in Australian coal mines. International Journal of Coal Geology, 2001, 45, 91-103.	1.9	21
22	Fractally Invariant Distributions and an Application in Geochemical Exploration. Mathematical Geosciences, 2005, 37, 895-913.	0.9	21
23	Concentration-distance from centroids (C-DC) multifractal modeling: A novel approach to characterizing geochemical patterns based on sample distance from mineralization. Ore Geology Reviews, 2021, 137, 104302.	1.1	20
24	Interaction of aqueous Au species with goethite, smectite and kaolinite. Geochemistry: Exploration, Environment, Analysis, 2004, 4, 279-287.	0.5	18
25	Geochemical exploration for vertebrate fossils using field portable XRF. Journal of Geochemical Exploration, 2017, 181, 1-9.	1.5	18
26	FLUID INCLUSION AND STABLE ISOTOPE STUDY OF THE ESFORDI APATITE-MAGNETITE DEPOSIT, CENTRAL IRAN--A REPLY. Economic Geology, 2009, 104, 140-143.	1.8	16
27	Metal speciation in agricultural soils adjacent to the Irankuh Pbâ€“Zn mining area, central Iran. Journal of African Earth Sciences, 2015, 101, 186-193.	0.9	15
28	Land use influences on soil geochemistry in Lefkosia (Nicosia) Cyprus. Journal of Geochemical Exploration, 2018, 187, 6-20.	1.5	15
29	Contrasting dispersion patterns for gold in stream sediments at Timbarra, NSW, Australia. Journal of Geochemical Exploration, 2005, 85, 1-16.	1.5	14
30	Controls on soil geochemistry fractal characteristics in Lemesos (Limassol), Cyprus. Journal of Geochemical Exploration, 2021, 220, 106682.	1.5	14
31	Geochemical effects of deeply buried Cuâ€“Au mineralization on transported regolith in an arid terrain. Geochemistry: Exploration, Environment, Analysis, 2009, 9, 227-236.	0.5	13
32	Distribution of water-soluble inorganic ions in the soils of Cyprus. Journal of Geochemical Exploration, 2014, 146, 1-8.	1.5	13
33	Spatial distribution and controls on organic and inorganic carbon in the soils of Cyprus. Journal of Geochemical Exploration, 2019, 196, 95-104.	1.5	13
34	Calibration for ED-XRF profiling of coal cores for the Itrax Core Scanner. Powder Diffraction, 2014, 29, S28-S34.	0.4	12
35	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
36	In-situ inorganic analysis of coal seams using a hand-held field-portable XRF Analyser. International Journal of Coal Geology, 2018, 191, 172-188.	1.9	10

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37	Stability and trace element composition of natural schwertmannite precipitated from acid mine drainage. Applied Geochemistry, 2022, 143, 105370.	1.4	10
38	Optimization of partial extraction chemistry for buffered acetate and hydroxylamine leaches. Geochemistry: Exploration, Environment, Analysis, 2005, 5, 279-285.	0.5	9
39	Profiling of inorganic elements in coal seams using laboratory-based core scanning X-ray fluorescence techniques. International Journal of Coal Geology, 2018, 191, 158-171.	1.9	8
40	Environmental justice analyses may hide inequalities in Indigenous peopleâ€™s exposure to lead in Mount Isa, Queensland. Environmental Research Letters, 2018, 13, 084004.	2.2	7
41	Geochemical pattern recognition through matrix decomposition. Ore Geology Reviews, 2019, 104, 670-685.	1.1	7
42	The efficiency of fractal techniques in geochemical anomaly delineation within BLEG and <180ÂÎ¼m stream sediments in Western Turkey. Journal of Geochemical Exploration, 2022, 236, 106957.	1.5	7
43	Geochemical Prospectivity Mapping Through a Feature Extractionâ€“Selection Classification Scheme. Natural Resources Research, 2019, 28, 849-865.	2.2	6
44	Comparison between the geochemical response of BLEG and fine fraction stream sediments to mineralization in the Eastern Black Sea region, Turkey. Journal of Geochemical Exploration, 2020, 217, 106609.	1.5	6
45	Mineral distribution and provenance of heavy mineral sands (zircon, ilmenite, rutile) deposits from the NW Murray Basin, far western NSW, Australia. Australian Journal of Earth Sciences, 2020, 67, 575-590.	0.4	5
46	Bivariate probability plots: A method for delineating different populations in soil geochemical data. Science of the Total Environment, 2019, 671, 1047-1055.	3.9	3
47	Biogeochemical response of Pinus brutia and Olea europaea to lithological variations and Cu mineralisation in Cyprus. Science of the Total Environment, 2021, 759, 143434.	3.9	3
48	Nickel Uptake by Cypress Pine (Callitris glaucophylla) in the Miandetta Area, Australia: Implications for Use in Biogeochemical Exploration. Minerals (Basel, Switzerland), 2021, 11, 808.	0.8	3
49	A new type of synthetic geochemical reference materialâ€”SynTERM. Analyst, The, 1995, 120, 1327-1334.	1.7	2
50	Analysis of Coal Cores Using Micro-XRF Scanning Techniques. Developments in Paleoenvironmental Research, 2015, , 601-612.	7.5	2
51	Siderophoreâ€Assisted Dissolution of Iron(III) Hydroxide Oxides from Ironâ€Rich Fossil Matrices. ChemPlusChem, 2020, 85, 1747-1753.	1.3	0
52	Can geophysics and geochemistry combine to detect mineralisation under transported cover?. ASEG Extended Abstracts, 2018, 2018, 1-6.	0.1	0