

# Domenico Cicchella

## List of Publications by Year in descending order

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Version: 2024-02-01

78  
papers

3,714  
citations

94381

37  
h-index

133188

59  
g-index

85  
all docs

85  
docs citations

85  
times ranked

3464  
citing authors

#	ARTICLE	IF	CITATIONS
1	A new approach to assess the degree of contamination and determine sources and risks related to PTEs in an urban environment: the case study of Santiago (Chile). <i>Environmental Geochemistry and Health</i> , 2023, 45, 275-297.	1.8	6
2	Radon flux estimates, from both gamma radiation and geochemical data, to determine sources, migration pathways, and related health risk: The Campania region (Italy) case study. <i>Chemosphere</i> , 2022, 287, 132233.	4.2	6
3	A Test of the Hypothesis That Synâ€Collisional Felsic Magmatism Contributes to Continental Crustal Growth Via Deep Learning Modeling and Principal Component Analysis of Big Geochemical Datasets. <i>Journal of Geophysical Research: Solid Earth</i> , 2022, 127, .	1.4	2
4	Using multivariate compositional data analysis (CoDA) and clustering to establish geochemical backgrounds in stream sediments of an onshore oil deposits area. The Agri River basin (Italy) case study. <i>Journal of Geochemical Exploration</i> , 2022, 238, 107012.	1.5	15
5	Coupling compositional data analysis (CoDA) with hierarchical cluster analysis (HCA) for preliminary understanding of the dynamics of a complex water distribution system: the Naples (South Italy) case study. <i>Environmental Science: Water Research and Technology</i> , 2021, 7, 1060-1077.	1.2	6
6	Origin, distribution and enrichment of selenium in oasis farmland of Aksu, Xinjiang, China. <i>Journal of Geochemical Exploration</i> , 2021, 223, 106723.	1.5	11
7	The first application of compositional data analysis (CoDA) in a multivariate perspective for detection of pollution source in sea sediments: The Pozzuoli Bay (Italy) case study. <i>Chemosphere</i> , 2021, 274, 129955.	4.2	36
8	Investigation of polycyclic aromatic hydrocarbons in soils from Caserta provincial territory, southern Italy: Spatial distribution, source apportionment, and risk assessment. <i>Journal of Hazardous Materials</i> , 2020, 383, 121158.	6.5	63
9	Arsenic: Geochemical distribution and age-related health risk in Italy. <i>Environmental Research</i> , 2020, 182, 109076.	3.7	57
10	Contamination and ecological risk assessment of the seaport of Naples (Italy): Insights from marine sediments. <i>Journal of Geochemical Exploration</i> , 2020, 210, 106449.	1.5	14
11	A New Approach for Aquifer Vulnerability Assessment: the Case Study of Campania Plain. <i>Water Resources Management</i> , 2020, 34, 819-834.	1.9	12
12	Uranium, thorium and potassium insights on Campania region (Italy) soils: Sources patterns based on compositional data analysis and fractal model. <i>Journal of Geochemical Exploration</i> , 2020, 212, 106508.	1.5	32
13	Urban soil contamination in Salerno (Italy): Concentrations and patterns of major, minor, trace and ultra-trace elements in soils. <i>Journal of Geochemical Exploration</i> , 2020, 213, 106519.	1.5	37
14	Potentially toxic elements in soils of Campania region (Southern Italy): Combining raw and compositional data. <i>Journal of Geochemical Exploration</i> , 2020, 213, 106524.	1.5	47
15	Investigation and Assessment for an effective approach to the reclamation of Polycyclic Aromatic Hydrocarbon (PAHs) contaminated site: SIN Bagnoli, Italy. <i>Scientific Reports</i> , 2019, 9, 11522.	1.6	36
16	GEMAS: Geochemical background and mineral potential of emerging tech-critical elements in Europe revealed from low-sampling density geochemical mapping. <i>Applied Geochemistry</i> , 2019, 111, 104425.	1.4	14
17	Identification of the co-existence of low total organic carbon contents and low pH values in agricultural soil in north-central Europe using hot spot analysis based on GEMAS project data. <i>Science of the Total Environment</i> , 2019, 678, 94-104.	3.9	39
18	Data matrix of site-specific environmental variables: Phytomanagement of a contaminated brownfield site. <i>Data in Brief</i> , 2019, 25, 103957.	0.5	2

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19	Bioavailable $^{87}\text{Sr}/^{86}\text{Sr}$ in European soils: A baseline for provenancing studies. <i>Science of the Total Environment</i> , 2019, 672, 1033-1044.	3.9	81
20	Organochlorine pesticides in the soils from Benevento provincial territory, southern Italy: Spatial distribution, air-soil exchange, and implications for environmental health. <i>Science of the Total Environment</i> , 2019, 674, 159-170.	3.9	54
21	Identification of native-metal tolerant plant species in situ: Environmental implications and functional traits. <i>Science of the Total Environment</i> , 2019, 650, 3156-3167.	3.9	35
22	U-Th signatures of agricultural soil at the European continental scale (GEMAS): Distribution, weathering patterns and processes controlling their concentrations. <i>Science of the Total Environment</i> , 2018, 622-623, 1277-1293.	3.9	16
23	The distribution of precious metals (Au, Ag, Pt, and Pd) in the soils of the Campania Region (Italy). <i>Journal of Geochemical Exploration</i> , 2018, 192, 33-44.	1.5	12
24	Geochemical sources of vanadium in soils: Evidences in a southern Italy area. <i>Journal of Geochemical Exploration</i> , 2018, 184, 358-364.	1.5	48
25	Soil geochemical follow-up in the Cilento World Heritage Park (Campania, Italy) through exploratory compositional data analysis and C-A fractal model. <i>Journal of Geochemical Exploration</i> , 2018, 189, 85-99.	1.5	34
26	Exploring uni-element geochemical data under a compositional perspective. <i>Applied Geochemistry</i> , 2018, 91, 174-184.	1.4	23
27	Geochemical Mapping of Urban Areas. , 2018, , 133-151.		3
28	Introduction to the thematic issue: mineral deposits exploration and environmental geochemistry: case studies in Italy and in China. <i>Geochemistry: Exploration, Environment, Analysis</i> , 2018, 18, 277-277.	0.5	1
29	Status, sources and contamination levels of organochlorine pesticide residues in urban and agricultural areas: a preliminary review in central-southern Italian soils. <i>Environmental Science and Pollution Research</i> , 2018, 25, 26361-26382.	2.7	40
30	Assessment of potentially harmful elements pollution in the Calore River basin (Southern Italy). <i>Environmental Geochemistry and Health</i> , 2017, 39, 531-548.	1.8	46
31	Arsenic: Association of regional concentrations in drinking water with suicide and natural causes of death in Italy. <i>Psychiatry Research</i> , 2017, 249, 311-317.	1.7	9
32	Distribution of toxic elements and transfer from the environment to humans traced by using lead isotopes. A case of study in the Sarno River basin, south Italy. <i>Environmental Geochemistry and Health</i> , 2016, 38, 619-637.	1.8	24
33	Assessment of lead pollution in topsoils of a southern Italy area: Analysis of urban and peri-urban environment. <i>Journal of Environmental Sciences</i> , 2015, 33, 179-187.	3.2	42
34	Mobile Metal Ion <sup>®</sup> analysis of European agricultural soils: bioavailability, weathering, geogenic patterns and anthropogenic anomalies. <i>Geochemistry: Exploration, Environment, Analysis</i> , 2015, 15, 99-112.	0.5	21
35	GEMAS: Cobalt, Cr, Cu and Ni distribution in agricultural and grazing land soil of Europe. <i>Journal of Geochemical Exploration</i> , 2015, 154, 81-93.	1.5	81
36	GEMAS: Indium in agricultural and grazing land soil of Europe – Its source and geochemical distribution patterns. <i>Journal of Geochemical Exploration</i> , 2015, 154, 61-80.	1.5	23

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37	GEMAS: Spatial distribution of chemical elements in agricultural and grazing land soil of Italy. <i>Journal of Geochemical Exploration</i> , 2015, 154, 129-142.	1.5	58
38	Relationships of local lithium concentrations in drinking water to regional suicide rates in Italy. <i>World Journal of Biological Psychiatry</i> , 2015, 16, 567-574.	1.3	46
39	Geochemical fingerprinting and source discrimination of agricultural soils at continental scale. <i>Chemical Geology</i> , 2015, 396, 1-15.	1.4	39
40	Assessment of the topsoil heavy metals pollution in the Sarno River basin, south Italy. <i>Environmental Earth Sciences</i> , 2014, 71, 5129.	1.3	21
41	Geochemical evidence of aeolian deposits in European soils. <i>Boreas</i> , 2014, 43, 175-192.	1.2	42
42	A correlation study between multiple sclerosis and type 1 diabetes incidences and geochemical data in Europe. <i>Environmental Geochemistry and Health</i> , 2014, 36, 79-98.	1.8	23
43	GEMAS: Spatial distribution of the pH of European agricultural and grazing land soil. <i>Applied Geochemistry</i> , 2014, 48, 207-216.	1.4	71
44	Arsenic in agricultural and grazing land soils of Europe. <i>Applied Geochemistry</i> , 2013, 28, 2-10.	1.4	73
45	Mercury in European agricultural and grazing land soils. <i>Applied Geochemistry</i> , 2013, 33, 1-12.	1.4	82
46	A multivariate approach for anomaly separation of potentially toxic trace elements in urban and peri-urban soils: an application in a southern Italy area. <i>Journal of Soils and Sediments</i> , 2013, 13, 117-128.	1.5	35
47	The use of diffuse reflectance mid-infrared spectroscopy for the prediction of the concentration of chemical elements estimated by X-ray fluorescence in agricultural and grazing European soils. <i>Applied Geochemistry</i> , 2013, 29, 135-143.	1.4	32
48	Mapping geochemical patterns at regional to continental scales using composite samples to reduce the analytical costs. <i>Journal of Geochemical Exploration</i> , 2013, 124, 79-91.	1.5	12
49	GEMAS: The geochemical mapping of agricultural and grazing land soils of Europe. <i>E3S Web of Conferences</i> , 2013, 1, 38004.	0.2	1
50	Urban Geochemistry and Human Health. <i>Elements</i> , 2012, 8, 439-444.	0.5	58
51	A Geostatistical Approach to Assess Concentration and Spatial Distribution of Heavy Metals in Urban Soils. <i>Water, Air, and Soil Pollution</i> , 2012, 223, 5983-5998.	1.1	64
52	The geochemistry of niobium and its distribution and relative mobility in agricultural soils of Europe. <i>Geochemistry: Exploration, Environment, Analysis</i> , 2012, 12, 293-302.	0.5	21
53	Lead and lead isotopes in agricultural soils of Europe – The continental perspective. <i>Applied Geochemistry</i> , 2012, 27, 532-542.	1.4	129
54	Comparing results from two continental geochemical surveys to world soil composition and deriving Predicted Empirical Global Soil (PEGS2) reference values. <i>Earth and Planetary Science Letters</i> , 2012, 319-320, 269-276.	1.8	61

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55	Major and trace elements in tap water from Italy. <i>Journal of Geochemical Exploration</i> , 2012, 112, 54-75.	1.5	82
56	Does heavy metals pollution affects semen quality in men? A case of study in the metropolitan area of Naples (Italy). <i>Journal of Geochemical Exploration</i> , 2012, 112, 218-225.	1.5	79
57	Comparative study between bottled mineral and tap water in Italy. <i>Journal of Geochemical Exploration</i> , 2012, 112, 368-389.	1.5	54
58	Legacy Problems in Urban Geochemistry. <i>Elements</i> , 2012, 8, 423-428.	0.5	51
59	New soil composition data for Europe and Australia: Demonstrating comparability, identifying continental-scale processes and learning lessons for global geochemical mapping. <i>Science of the Total Environment</i> , 2012, 416, 239-252.	3.9	110
60	The concept of compositional data analysis in practice – Total major element concentrations in agricultural and grazing land soils of Europe. <i>Science of the Total Environment</i> , 2012, 426, 196-210.	3.9	211
61	Geochemical baselines and risk assessment of the Bagnoli brownfield site coastal sea sediments (Naples, Italy). <i>Journal of Geochemical Exploration</i> , 2010, 105, 19-33.	1.5	89
62	Trace elements and ions in Italian bottled mineral waters: Identification of anomalous values and human health related effects. <i>Journal of Geochemical Exploration</i> , 2010, 107, 336-349.	1.5	76
63	Hydrogeochemical analysis on Italian bottled mineral waters: Effects of geology. <i>Journal of Geochemical Exploration</i> , 2010, 107, 317-335.	1.5	65
64	Urban geochemical mapping in the Campania region (Italy). <i>Geochemistry: Exploration, Environment, Analysis</i> , 2008, 8, 19-29.	0.5	55
65	Heavy metal pollution and Pb isotopes in urban soils of Napoli, Italy. <i>Geochemistry: Exploration, Environment, Analysis</i> , 2008, 8, 103-112.	0.5	117
66	Platinum group element distribution in the soils from urban areas of the Campania region (Italy). <i>Geochemistry: Exploration, Environment, Analysis</i> , 2008, 8, 31-40.	0.5	23
67	Environmental geochemical maps of Italy from the FOREGS database. <i>Geochemistry: Exploration, Environment, Analysis</i> , 2008, 8, 267-277.	0.5	19
68	Interpolation methods for geochemical maps: a comparative study using arsenic data from European stream waters. <i>Geochemistry: Exploration, Environment, Analysis</i> , 2008, 8, 41-48.	0.5	44
69	URBAN GEOCHEMICAL MAPPING. , 2008, , 153-174.		10
70	Geochemical background and baseline values of toxic elements in stream sediments of Campania region (Italy). <i>Journal of Geochemical Exploration</i> , 2007, 93, 21-34.	1.5	186
71	Atlante Geochimico-Ambientale dei Suoli dell'Area Urbana e della Provincia di Napoli [Geochemical Environmental Atlas of the Urban and Provincial Soils of Naples] by B. De Vivo, D. Cicchella, A. Lima & S. Albanese, 2006. Universit� degli Studi di Napoli – Federico II – Naples, Italy. 316 pp.. <i>Geochemistry: Exploration, Environment, Analysis</i> , 2007, 7, 378-378.	0.5	0
72	Elemental and gamma-ray surveys in the volcanic soils of Ischia Island, Italy. <i>Geochemistry: Exploration, Environment, Analysis</i> , 2006, 6, 325-339.	0.5	24

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73	Background and baseline concentration values of elements harmful to human health in the volcanic soils of the metropolitan and provincial areas of Napoli (Italy). <i>Geochemistry: Exploration, Environment, Analysis</i> , 2005, 5, 29-40.	0.5	125
74	Geochemical baselines for the radioelements K, U, and Th in the Campania region, Italy: a comparison of stream-sediment geochemistry and gamma-ray surveys. <i>Applied Geochemistry</i> , 2005, 20, 611-625.	1.4	59
75	Natural contribution of harmful elements in thermal groundwaters of Ischia Island (southern Italy). <i>Environmental Geology</i> , 2003, 43, 930-940.	1.2	36
76	Palladium and platinum concentration in soils from the Napoli metropolitan area, Italy: possible effects of catalytic exhausts. <i>Science of the Total Environment</i> , 2003, 308, 121-131.	3.9	88
77	Multifractal IDW interpolation and fractal filtering method in environmental studies: an application on regional stream sediments of (Italy), Campania region. <i>Applied Geochemistry</i> , 2003, 18, 1853-1865.	1.4	205
78	From rock to soil: geochemical pathway of elements in Cosenza and Rende area (Calabria, southern) <i>Tj ETQq0 0 0 rgBT /Overlock 10 TF 5</i>	0.3	2