

Micol Mastrocicco

List of Publications by Citations

Source: <https://exaly.com/author-pdf/8737442/micol-mastrocicco-publications-by-citations.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

117
papers

1,741
citations

23
h-index

33
g-index

126
ext. papers

2,093
ext. citations

4.3
avg, IF

5.29
L-index

#	Paper	IF	Citations
117	Kimberlite-like Metasomatism and Garnet Signature In Spinel-peridotite Xenoliths from Sal, Cape Verde Archipelago: Relics of a Subcontinental Mantle Domain within the Atlantic Oceanic Lithosphere?. <i>Journal of Petrology</i> , 2005 , 46, 2465-2493	3.9	94
116	A modified SINTACS method for groundwater vulnerability and pollution risk assessment in highly anthropized regions based on NO and SO concentrations. <i>Science of the Total Environment</i> , 2017 , 609, 1512-1523	10.2	65
115	Multivariate statistical analysis to characterize/discriminate between anthropogenic and geogenic trace elements occurrence in the Campania Plain, Southern Italy. <i>Environmental Pollution</i> , 2018 , 234, 260-269	9.3	62
114	Characterization of the lowland coastal aquifer of Comacchio (Ferrara, Italy): Hydrology, hydrochemistry and evolution of the system. <i>Journal of Hydrology</i> , 2013 , 501, 35-44	6	61
113	Impact of Climate Change on Salinization of Coastal Water Resources. <i>Water Resources Management</i> , 2016 , 30, 2483-2496	3.7	58
112	A novel hybrid method of specific vulnerability to anthropogenic pollution using multivariate statistical and regression analyses. <i>Water Research</i> , 2020 , 171, 115386	12.5	53
111	Ammonium occurrence in a salinized lowland coastal aquifer (Ferrara, Italy). <i>Hydrological Processes</i> , 2013 , 27, 3495-3501	3.3	47
110	Nitrogen budget in a lowland coastal area within the Po River basin (northern Italy): multiple evidences of equilibrium between sources and internal sinks. <i>Environmental Management</i> , 2013 , 52, 567-580	3.7	41
109	Assessment of the Intrinsic Vulnerability of Agricultural Land to Water and Nitrogen Losses via Deterministic Approach and Regression Analysis. <i>Water, Air, and Soil Pollution</i> , 2012 , 223, 1605-1614	2.6	37
108	Linking dissolved organic carbon, acetate and denitrification in agricultural soils. <i>Environmental Earth Sciences</i> , 2013 , 68, 939-945	2.9	35
107	GALDIT-SUSI a modified method to account for surface water bodies in the assessment of aquifer vulnerability to seawater intrusion. <i>Journal of Environmental Management</i> , 2019 , 235, 257-265	7.9	34
106	Enhancing nitrate and strontium concentration prediction in groundwater by using new data mining algorithm. <i>Science of the Total Environment</i> , 2020 , 715, 136836	10.2	34
105	Surface electrical resistivity tomography and hydrogeological characterization to constrain groundwater flow modeling in an agricultural field site near Ferrara (Italy). <i>Environmental Earth Sciences</i> , 2010 , 61, 311-322	2.9	34
104	Batch and column experiments on nutrient leaching in soils amended with Italian natural zeolitites. <i>Catena</i> , 2015 , 127, 64-71	5.8	31
103	Numerical assessment of effective evapotranspiration from maize plots to estimate groundwater recharge in lowlands. <i>Agricultural Water Management</i> , 2010 , 97, 1389-1398	5.9	31
102	Predicting Salinization Trends in a Lowland Coastal Aquifer: Comacchio (Italy). <i>Water Resources Management</i> , 2015 , 29, 603-618	3.7	30
101	Energy performance strategies for the large scale introduction of geothermal energy in residential and industrial buildings: The GEO.POWER project. <i>Energy Policy</i> , 2014 , 65, 315-322	7.2	27

100	Large tank experiment on nitrate fate and transport: the role of permeability distribution. <i>Environmental Earth Sciences</i> , 2011 , 63, 903-914	2.9	27
99	Evaluation of saline tracer performance during electrical conductivity groundwater monitoring. <i>Journal of Contaminant Hydrology</i> , 2011 , 123, 157-66	3.9	25
98	Variation of the hydraulic properties and solute transport mechanisms in a silty-clay soil amended with natural zeolites. <i>Catena</i> , 2014 , 123, 195-204	5.8	24
97	Modelling Actual and Future Seawater Intrusion in the Variconi Coastal Wetland (Italy) Due to Climate and Landscape Changes. <i>Water (Switzerland)</i> , 2019 , 11, 1502	3	23
96	Nitrogen and sulphur cycling in the saline coastal aquifer of Ferrara, Italy. A multi-isotope approach. <i>Applied Geochemistry</i> , 2017 , 76, 88-98	3.5	23
95	Reactive Modeling of Denitrification in Soils with Natural and Depleted Organic Matter. <i>Water, Air, and Soil Pollution</i> , 2011 , 222, 205-215	2.6	23
94	High-resolution global grids of revised Priestley-Taylor and Hargreaves-Samani coefficients for assessing ASCE-standardized reference crop evapotranspiration and solar radiation. <i>Earth System Science Data</i> , 2017 , 9, 615-638	10.5	23
93	The Importance of Data Acquisition Techniques in Saltwater Intrusion Monitoring. <i>Water Resources Management</i> , 2012 , 26, 2851-2866	3.7	22
92	Monitoring and Modeling Nitrate Persistence in a Shallow Aquifer. <i>Water, Air, and Soil Pollution</i> , 2011 , 217, 83-93	2.6	22
91	Reclamation influence and background geochemistry of neutral saline soils in the Po River Delta Plain (Northern Italy). <i>Environmental Earth Sciences</i> , 2014 , 72, 2457-2473	2.9	21
90	High resolution short-term investigation of soil CO ₂ , N ₂ O, NO _x and NH ₃ emissions after different chabazite zeolite amendments. <i>Applied Soil Ecology</i> , 2017 , 119, 138-144	5	21
89	Improved gravitational grain size separation method. <i>Applied Clay Science</i> , 2010 , 48, 612-614	5.2	21
88	Contribution of the subsurface drainage system in changing the nitrogen speciation of an agricultural soil located in a complex marsh environment (Ferrara, Italy). <i>Agricultural Water Management</i> , 2013 , 119, 144-153	5.9	19
87	Column Elution Experiments on Volcanic Ash: Geochemical Implications for the Main Ethiopian Rift Waters. <i>Water, Air, and Soil Pollution</i> , 2010 , 208, 221-233	2.6	19
86	Use of shallow groundwater temperature profiles to infer climate and land use change: interpretation and measurement challenges. <i>Hydrological Processes</i> , 2016 , 30, 2512-2524	3.3	18
85	Reactive nitrogen losses via denitrification assessed in saturated agricultural soils. <i>Geoderma</i> , 2019 , 337, 91-98	6.7	18
84	Short-Term Response of Soil Microbial Biomass to Different Chabazite Zeolite Amendments. <i>Pedosphere</i> , 2018 , 28, 277-287	5	18
83	Evaluating SWAT model performance, considering different soils data input, to quantify actual and future runoff susceptibility in a highly urbanized basin. <i>Journal of Environmental Management</i> , 2020 , 266, 110625	7.9	17

82	Chlorate origin and fate in shallow groundwater below agricultural landscapes. <i>Environmental Pollution</i> , 2017 , 231, 1453-1462	9.3	17
81	A common feeding system of the NE and S rifts as revealed by the bilateral 2002/2003 eruptive event at Mt. Etna (Sicily, Italy). <i>Bulletin of Volcanology</i> , 2012 , 74, 2415-2433	2.4	17
80	Geochemical evolution and salinization of a coastal aquifer via seepage through peaty lenses. <i>Environmental Earth Sciences</i> , 2016 , 75, 1	2.9	17
79	Aquifer vulnerability and potential risk assessment: application to an intensely cultivated and densely populated area in Southern Italy. <i>Arabian Journal of Geosciences</i> , 2017 , 10, 1	1.8	16
78	Limitation of using heat as a groundwater tracer to define aquifer properties: experiment in a large tank model. <i>Environmental Earth Sciences</i> , 2013 , 70, 719-728	2.9	16
77	Formulation of Indices to Describe Intrinsic Nitrogen Transformation Rates for the Implementation of Best Management Practices in Agricultural Lands. <i>Water, Air, and Soil Pollution</i> , 2013 , 224, 1	2.6	16
76	Modelling the fate of styrene in a mixed petroleum hydrocarbon plume. <i>Journal of Contaminant Hydrology</i> , 2009 , 105, 38-55	3.9	16
75	Fertilizers mobilization in alluvial aquifer: laboratory experiments. <i>Environmental Geology</i> , 2009 , 56, 1371-1381	16	
74	The Issue of Groundwater Salinization in Coastal Areas of the Mediterranean Region: A Review. <i>Water (Switzerland)</i> , 2021 , 13, 90	3	16
73	Coastal aquifer response to extreme storm events in Emilia-Romagna, Italy. <i>Hydrological Processes</i> , 2017 , 31, 1613-1621	3.3	15
72	Fate of arsenic, phosphate and ammonium plumes in a coastal aquifer affected by saltwater intrusion. <i>Journal of Contaminant Hydrology</i> , 2015 , 179, 116-31	3.9	15
71	Natural and NH ₄ ⁺ -enriched zeolitite amendment effects on nitrate leaching from a reclaimed agricultural soil (Ferrara Province, Italy). <i>Nutrient Cycling in Agroecosystems</i> , 2018 , 110, 327-341	3.3	15
70	Assessing Aquifer Salinization with Multiple Techniques along the Southern Caspian Sea Shore (Iran). <i>Water (Switzerland)</i> , 2018 , 10, 348	3	15
69	Protection from natural and anthropogenic sources: a new rating methodology to delineate Nitrate Vulnerable Zones. <i>Environmental Earth Sciences</i> , 2019 , 78, 1	2.9	14
68	Assessing the Effect of Saltwater Intrusion on Petroleum Hydrocarbons Plumes Via Numerical Modelling. <i>Water, Air, and Soil Pollution</i> , 2012 , 223, 4417-4427	2.6	14
67	Deciphering Interannual Temperature Variations in Springs of the Campania Region (Italy). <i>Water (Switzerland)</i> , 2019 , 11, 288	3	14
66	Origin and pattern of salinization in the Holocene aquifer of the southern Po Delta (NE Italy). <i>Journal of Geochemical Exploration</i> , 2017 , 175, 130-137	3.8	13
65	Ammonium-charged zeolitite effects on crop growth and nutrient leaching: greenhouse experiments on maize (<i>Zea mays</i>). <i>Catena</i> , 2016 , 140, 66-76	5.8	13

64	Trace elements mobility in a saline coastal aquifer of the Po river lowland (Italy). <i>Journal of Geochemical Exploration</i> , 2015 , 159, 317-328	3.8	13
63	Estimating groundwater residence time and recharge patterns in a saline coastal aquifer. <i>Hydrological Processes</i> , 2016 , 30, 4202-4213	3.3	13
62	Assessment of the anthropogenic fluoride export in Addis Ababa urban environment (Ethiopia). <i>Journal of Geochemical Exploration</i> , 2018 , 190, 390-399	3.8	13
61	Inferring the interconnections between surface water bodies, tile-drains and an unconfined aquifer-aquiclude system: A case study. <i>Journal of Hydrology</i> , 2016 , 537, 86-95	6	12
60	Performance of different assessment methods to evaluate contaminant sources and fate in a coastal aquifer. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 15536-48	5.1	12
59	Developing a SINTACS-based method to map groundwater multi-pollutant vulnerability using evolutionary algorithms. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 7854-7869	5.1	12
58	Combined use of heat and saline tracer to estimate aquifer properties in a forced gradient test. <i>Journal of Hydrology</i> , 2015 , 525, 650-657	6	11
57	Soil type and microclimatic conditions as drivers of urea transformation kinetics in maize plots. <i>Catena</i> , 2018 , 166, 200-208	5.8	11
56	Detecting Small-Scale Variability of Trace Elements in a Shallow Aquifer. <i>Water, Air, and Soil Pollution</i> , 2015 , 226, 1	2.6	11
55	Modelling the Density Contrast Effect on a Chlorinated Hydrocarbon Plume Reaching the Shore Line. <i>Water, Air, and Soil Pollution</i> , 2011 , 220, 387-398	2.6	11
54	Contrasting biogeochemical processes revealed by stable isotopes of HO, N, C and S in shallow aquifers underlying agricultural lowlands. <i>Science of the Total Environment</i> , 2019 , 691, 1282-1296	10.2	10
53	Geolithological and anthropogenic controls on the hydrochemistry of the Volturno river (Southern Italy). <i>Hydrological Processes</i> , 2017 , 31, 627-638	3.3	10
52	Misleading reconstruction of seawater intrusion via integral depth sampling. <i>Journal of Hydrology</i> , 2016 , 536, 320-326	6	10
51	Intense rainfalls trigger nitrite leaching in agricultural soils depleted in organic matter. <i>Science of the Total Environment</i> , 2019 , 665, 80-90	10.2	9
50	Estimated Water Savings in an Agricultural Field Amended With Natural Zeolites. <i>Environmental Processes</i> , 2016 , 3, 617-628	2.8	9
49	Direct measurement of dissolved dinitrogen to refine reactive modelling of denitrification in agricultural soils. <i>Science of the Total Environment</i> , 2019 , 647, 134-140	10.2	9
48	Soil conditioners effects on hydraulic properties, leaching processes and denitrification on a silty-clay soil. <i>Science of the Total Environment</i> , 2020 , 733, 139342	10.2	8
47	Abnormal trace element concentrations in a shallow aquifer belonging to saline reclaimed environments, Codigoro (Italy). <i>Rendiconti Lincei</i> , 2016 , 27, 95-104	1.7	7

46	Reactive and Mixing Processes Governing Ammonium and Nitrate Coexistence in a Polluted Coastal Aquifer. <i>Geosciences (Switzerland)</i> , 2018 , 8, 210	2.7	7
45	Efficiency verification of a horizontal flow barrier via flowmeter tests and multilevel sampling. <i>Hydrological Processes</i> , 2013 , 27, 2414-2421	3.3	7
44	Assessment of the intrinsic vulnerability of agricultural land to water and nitrogen losses: case studies in Italy and Greece. <i>Proceedings of the International Association of Hydrological Sciences</i> , 2014 , 364, 14-19		7
43	The Importance of Incorporating Denitrification in the Assessment of Groundwater Vulnerability. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 2328	2.6	6
42	Natural and anthropogenic factors driving groundwater resources salinization for agriculture use in the Campania plains (Southern Italy). <i>Science of the Total Environment</i> , 2021 , 758, 144033	10.2	6
41	Modelling groundwater residence time in a sub-irrigated buffer zone. <i>Ecohydrology</i> , 2014 , 7, 1054-1063	2.5	5
40	Managed aquifer recharge via infiltration ditches in short rotation afforested areas. <i>Ecohydrology</i> , 2016 , 9, 167-178	2.5	5
39	Nutrients and carbon fate in two lowland contrasting soils amended with compost. <i>Catena</i> , 2021 , 206, 105493	5.8	5
38	Redox Dependent Arsenic Occurrence and Partitioning in an Industrial Coastal Aquifer: Evidence from High Spatial Resolution Characterization of Groundwater and Sediments. <i>Water (Switzerland)</i> , 2020 , 12, 2932	3	4
37	Modeling Soil Nitrate Accumulation and Leaching in Conventional and Conservation Agriculture Cropping Systems. <i>Water (Switzerland)</i> , 2020 , 12, 1571	3	4
36	A green and fast chromatographic method for determining organic compound mobility in soils. <i>Journal of Chromatography A</i> , 2009 , 1216, 6802-9	4.5	4
35	Impact of climate variability on the salinization of the coastal wetland-aquifer system of the Po Delta, Italy 2017 , jws2017115		3
34	Monitoring nutrients fate after digestate spreading in a short rotation buffer area. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 22816-22826	5.1	3
33	Modelling the salinization of a coastal lagoon-aquifer system. <i>IOP Conference Series: Earth and Environmental Science</i> , 2017 , 82, 012003	0.3	3
32	Monitoring and Modelling Interactions between the Montagna dei Fiori Aquifer and the Castellano Stream (Central Apennines, Italy). <i>Water (Switzerland)</i> , 2020 , 12, 973	3	3
31	A combined methodology to assess the intrinsic vulnerability of aquifers to pollution from agrochemicals. <i>Arabian Journal of Geosciences</i> , 2016 , 9, 1	1.8	3
30	Effect of ebullition and groundwater temperature on estimated dinitrogen excess in contrasting agricultural environments. <i>Science of the Total Environment</i> , 2019 , 693, 133638	10.2	3
29	Reactive modelling of 1,2-DCA and DOC near the shoreline. <i>Journal of Contaminant Hydrology</i> , 2014 , 169, 100-111	3.9	3

28	Modelling present and future Po river interactions with alluvial aquifers (Low Po River Plain, Italy). <i>Journal of Water and Climate Change</i> , 2014 , 5, 457-471	2.3	3
27	Predictive modeling of selected trace elements in groundwater using hybrid algorithms of iterative classifier optimizer. <i>Journal of Contaminant Hydrology</i> , 2021 , 242, 103849	3.9	3
26	Complex Interactions Between Fertilizers and Subsoils Triggering Reactive Nitrogen Speciation in Lowlands. <i>Advances in Science, Technology and Innovation</i> , 2019 , 133-135	0.3	2
25	Freshwater-seawater mixing experiments in sand columns. <i>Journal of Hydrology</i> , 2012 , 448-449, 112-118	6	2
24	Comparison of Different B-index Expressions to Evaluate the State of Physical Soil Properties. <i>Geotechnical and Geological Engineering</i> , 2015 , 33, 1055-1066	1.5	2
23	A Stepwise Approach to Assess the Fate of Nitrogen Species in Agricultural Lowlands 2013 , 431-460		2
22	Trend of Heavy Metal Release According to Forecasted Climate Change in the Po Delta. <i>Environmental Processes</i> , 2016 , 3, 553-567	2.8	2
21	Groundwater Temperature Trend as a Proxy for Climate Variability. <i>Proceedings (mdpi)</i> , 2018 , 2, 630	0.3	2
20	Limitations of GALDIT to map seawater intrusion vulnerability in a highly touristic coastal area. <i>IOP Conference Series: Earth and Environmental Science</i> , 2018 , 191, 012050	0.3	2
19	Actual and Forecasted Vulnerability Assessment to Seawater Intrusion via GALDIT-SUSI in the Volturno River Mouth (Italy). <i>Remote Sensing</i> , 2021 , 13, 3632	5	2
18	Testing graphene versus classical soil improvers in a sandy calcisol. <i>Catena</i> , 2022 , 208, 105754	5.8	2
17	Scenario Modelling of Climate Change's Impact on Salinization of Coastal Water Resources in Reclaimed Lands. <i>Procedia Engineering</i> , 2016 , 162, 25-31		1
16	Formation and dissolution of salt crusts as a rapid way of nitrate mobilization in a tile-drained agricultural field under a temperate climate. <i>Arabian Journal of Geosciences</i> , 2016 , 9, 1	1.8	1
15	Recognition of the anthropogenic contribution to the input of fluoride in urban recharge. <i>Environmental Earth Sciences</i> , 2018 , 77, 1	2.9	1
14	Assessment of specific vulnerability to nitrates using LOS indices in the Ferrara Province, Italy 2011 , 283-290		1
13	Groundwater nitrogen speciation in intensively cultivated lowland areas 2011 , 291-298		1
12	Monitoring heat transfer from a groundwater heat exchanger in a large tank model 2011 , 445-451		1
11	Seasonal Salinity Variations in a Coastal Wetland Induced by Complex Interactions Between Sea, River and Evapoconcentration Processes. <i>Springer Water</i> , 2020 , 77-88	0.3	1

10	Evaluating SWAT Performance to Quantify the Streamflow Sediment Yield in a Highly Urbanized Basin. <i>Environmental Sciences Proceedings</i> , 2020 , 2, 5	1	1
9	Assessment of intrinsic aquifer vulnerability at continental scale through a critical application of the drastic framework: The case of South America.. <i>Science of the Total Environment</i> , 2022 , 153748	10.2	0
8	Denitrification in Intrinsic and Specific Groundwater Vulnerability Assessment: A Review. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 10657	2.6	0
7	The origin of Uranium in groundwater of the eastern Halkidiki region, northern Greece.. <i>Science of the Total Environment</i> , 2021 , 812, 152445	10.2	0
6	Soil Quality Characterization of Mediterranean Areas under Desertification Risk for the Implementation of Management Schemes Aimed at Land Degradation Neutrality. <i>Proceedings (mdpi)</i> , 2019 , 30, 54	0.3	0
5	Monitoring and Modeling Digestate Fate and Transport in Infiltrating Afforested Areas Versus Maize/Ray-Grass Rotation Plots. <i>Advances in Science, Technology and Innovation</i> , 2018 , 797-799	0.3	
4	The influence of disaggregation procedures on soil gravitational separation. <i>Applied Clay Science</i> , 2014 , 97-98, 241-245	5.2	
3	Modelling Shallow Groundwater Evaporation Rates from a Large Tank Experiment. <i>Water Resources Management</i> , 2021 , 35, 3339-3354	3.7	
2	Soil Denitrification, the Missing Piece in the Puzzle of Nitrogen Budget in Lowland Agricultural Basins. <i>Ecosystems</i> , 1	3.9	
1	Lithological Influence and Human Impact On the Hydrochemistry of an Apennine Watershed (Southern Italy). <i>IOP Conference Series: Earth and Environmental Science</i> , 2016 , 44, 022020	0.3	