

Nerantzis Kazakis

List of Publications by Citations

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

56 papers	2,070 citations	24 h-index	45 g-index
60 ext. papers	2,648 ext. citations	5.8 avg, IF	5.58 L-index

#	Paper	IF	Citations
56	Assessment of flood hazard areas at a regional scale using an index-based approach and Analytical Hierarchy Process: Application in Rhodope-Evros region, Greece. <i>Science of the Total Environment</i> , 2015 , 538, 555-63	10.2	251
55	Flood susceptibility assessment in Hengfeng area coupling adaptive neuro-fuzzy inference system with genetic algorithm and differential evolution. <i>Science of the Total Environment</i> , 2018 , 621, 1124-1141	10.2	186
54	Groundwater vulnerability and pollution risk assessment of porous aquifers to nitrate: Modifying the DRASTIC method using quantitative parameters. <i>Journal of Hydrology</i> , 2015 , 525, 13-25	6	171
53	A GIS/Remote Sensing-based methodology for groundwater potentiality assessment in Tirnavos area, Greece. <i>Journal of Hydrology</i> , 2015 , 525, 197-208	6	125
52	Seawater intrusion mapping using electrical resistivity tomography and hydrochemical data. An application in the coastal area of eastern Thermaikos Gulf, Greece. <i>Science of the Total Environment</i> , 2016 , 543, 373-387	10.2	99
51	A comparison study of DRASTIC methods with various objective methods for groundwater vulnerability assessment. <i>Science of the Total Environment</i> , 2018 , 642, 1032-1049	10.2	95
50	Occurrence of Cr(VI) in drinking water of Greece and relation to the geological background. <i>Journal of Hazardous Materials</i> , 2015 , 281, 2-11	12.8	83
49	Geogenic Cr oxidation on the surface of mafic minerals and the hydrogeological conditions influencing hexavalent chromium concentrations in groundwater. <i>Science of the Total Environment</i> , 2015 , 514, 224-38	10.2	71
48	A review of GIS-integrated statistical techniques for groundwater quality evaluation and protection. <i>Environmental Earth Sciences</i> , 2018 , 77, 1	2.9	70
47	Improving prediction of water quality indices using novel hybrid machine-learning algorithms. <i>Science of the Total Environment</i> , 2020 , 721, 137612	10.2	69
46	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
45	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
44	Origin of hexavalent chromium in groundwater: The example of Sarigkiol Basin, Northern Greece. <i>Science of the Total Environment</i> , 2017 , 593-594, 552-566	10.2	53
43	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
42	A fuzzy multicriteria categorization of the GALDIT method to assess seawater intrusion vulnerability of coastal aquifers. <i>Science of the Total Environment</i> , 2018 , 621, 524-534	10.2	51
41	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
40	Multivariate statistical analysis for the assessment of groundwater quality under different hydrogeological regimes. <i>Environmental Earth Sciences</i> , 2017 , 76, 1	2.9	36

39	Management and research strategies of karst aquifers in Greece: Literature overview and exemplification based on hydrodynamic modelling and vulnerability assessment of a strategic karst aquifer. <i>Science of the Total Environment</i> , 2018 , 643, 592-609	10.2	36
38	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
37	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
36	Environmentally available hexavalent chromium in soils and sediments impacted by dispersed fly ash in Sarigkiol basin (Northern Greece). <i>Environmental Pollution</i> , 2018 , 235, 632-641	9.3	34
35	Origin, implications and management strategies for nitrate pollution in surface and ground waters of Anthemountas basin based on a $\delta^{15}\text{N}$ - NO_3^- and $\delta^{15}\text{N}$ - NO_2^- isotope approach. <i>Science of the Total Environment</i> , 2020 , 724, 138211	10.2	33
34	Groundwater vulnerability and pollution risk assessment with disparate models in karstic, porous, and fissured rock aquifers using remote sensing techniques and GIS in Anthemountas basin, Greece. <i>Environmental Earth Sciences</i> , 2015 , 74, 6199-6209	2.9	32
33	Estimation of hydraulic parameters in a complex porous aquifer system using geoelectrical methods. <i>Science of the Total Environment</i> , 2016 , 550, 742-750	10.2	32
32	Delineation of Suitable Zones for the Application of Managed Aquifer Recharge (MAR) in Coastal Aquifers Using Quantitative Parameters and the Analytical Hierarchy Process. <i>Water (Switzerland)</i> , 2018 , 10, 804	3	24
31	Water allocation and governance in multi-stakeholder environments: Insight from Axios Delta, Greece. <i>Science of the Total Environment</i> , 2019 , 695, 133831	10.2	22
30	Supporting Renewables Penetration in Remote Areas through the Transformation of Non-Powered Dams. <i>Energies</i> , 2016 , 9, 1054	3.1	18
29	A Hybrid GIS and AHP Approach for Modelling Actual and Future Forest Fire Risk Under Climate Change Accounting Water Resources Attenuation Role. <i>Sustainability</i> , 2019 , 11, 7166	3.6	16
28	Magnetic characteristics and trace elements concentration in soils from Anthemountas River basin (North Greece): discrimination of different sources of magnetic enhancement. <i>Environmental Earth Sciences</i> , 2016 , 75, 1	2.9	15
27	Support of irrigation water use and eco-friendly decision process in agricultural production planning. <i>Operational Research</i> , 2015 , 15, 289-306	1.6	13
26	Comparison of three applied methods of groundwater vulnerability mapping: A case study from the Florina basin, Northern Greece 2011 , 359-367		12
25	An Agricultural Decision Support System for Optimal Land Use Regarding Groundwater Vulnerability. <i>International Journal of Information Systems and Social Change</i> , 2010 , 1, 66-79	0.4	12
24	Simulating Future Groundwater Recharge in Coastal and Inland Catchments. <i>Water Resources Management</i> , 2021 , 35, 3617-3632	3.7	12
23	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
22	History of floods in Greece: causes and measures for protection. <i>Natural Hazards</i> , 2020 , 101, 833-852	3	11

21	Assessing Flood Hazard at River Basin Scale with an Index-Based Approach: The Case of Mouriki, Greece. <i>Geosciences (Switzerland)</i> , 2018 , 8, 50	2.7	11
20	Global patterns of nitrate isotope composition in rivers and adjacent aquifers reveal reactive nitrogen cascading. <i>Communications Earth & Environment</i> , 2021 , 2,	6.1	10
19	New hybrid-based approach for improving the accuracy of coastal aquifer vulnerability assessment maps. <i>Science of the Total Environment</i> , 2021 , 767, 145416	10.2	8
18	Challenges and Limitations of Karst Aquifer Vulnerability Mapping Based on the PaPRIKa Method Application to a Large European Karst Aquifer (Fontaine de Vaucluse, France). <i>Environments - MDPI</i> , 2019 , 6, 39	3.2	7
17	The Importance of Incorporating Denitrification in the Assessment of Groundwater Vulnerability. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 2328	2.6	6
16	The uranium isotopes in the characterisation of groundwater in the Thermi-Vasilika region, northern Greece. <i>Isotopes in Environmental and Health Studies</i> , 2016 , 52, 405-13	1.5	6
15	Groundwater Vulnerability and Risk Assessment in A Karst Aquifer of Greece Using EPIK Method. <i>Environments - MDPI</i> , 2019 , 6, 116	3.2	6
14	Preventing Groundwater Pollution Using Vulnerability and Risk Mapping: The Case of the Florina Basin, NW Greece. <i>Geosciences (Switzerland)</i> , 2018 , 8, 129	2.7	5
13	Assessment of Groundwater Vulnerability in the North Aquifer Area of Rhodes Island Using the GALDIT Method and GIS. <i>Environments - MDPI</i> , 2019 , 6, 56	3.2	4
12	Hydrogeological regime and groundwater occurrence in the Anthemountas River Basin. <i>Bulletin of the Geological Society of Greece</i> , 2017 , 47, 711	3.8	4
11	Atmospheric deposition of trace elements in Greece using moss <i>Hypnum cupressiforme</i> Hedw. as biomonitors. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2019 , 320, 597-608	1.5	3
10	Hydrogeological and Hydrochemical Regime Evaluation in Flamouria Basin in Edessa (Northern Greece). <i>Environments - MDPI</i> , 2020 , 7, 105	3.2	3
9	Enhanced Characterization of the Krania-Blassona Structure and Functioning Allogenic Karst Aquifer in Central Greece. <i>Geosciences (Switzerland)</i> , 2019 , 9, 15	2.7	3
8	Heavy metals and radioactive nuclide concentrations in mosses in Greece. <i>Radiation Effects and Defects in Solids</i> , 2018 , 173, 851-856	0.9	3
7	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
6	A novel hybrid of support vector regression and metaheuristic algorithms for groundwater spring potential mapping. <i>Science of the Total Environment</i> , 2021 , 151055	10.2	2
5	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
4	Formulation of Shannon entropy model averaging for groundwater level prediction using artificial intelligence models. <i>International Journal of Environmental Science and Technology</i> , 2021 , 12, 103849	3.3	1

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| 3 | 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 |
| 2 | Estimation of total dissolved solids in Zayandehrood River using intelligent models and PCA. <i>Sustainable Water Resources Management</i> , 2021 , 7, 1 | 1.9 | 0 |
| 1 | Hybrid Fuzzy Multi-Criteria Analysis for Selecting Discrete Preferable Groundwater Recharge Sites. <i>Water (Switzerland)</i> , 2022 , 14, 107 | 3 | |