

# Alexandra Gemitzi

## List of Publications by Year in descending order

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Version: 2024-02-01

41  
papers

1,063  
citations

471509

17  
h-index

414414

32  
g-index

44  
all docs

44  
docs citations

44  
times ranked

1350  
citing authors

#	ARTICLE	IF	CITATIONS
1	Assessment of groundwater vulnerability to pollution: a combination of GIS, fuzzy logic and decision making techniques. <i>Environmental Geology</i> , 2006, 49, 653-673.	1.2	118
2	Combining geographic information system, multicriteria evaluation techniques and fuzzy logic in siting MSW landfills. <i>Environmental Geology</i> , 2006, 51, 797-811.	1.2	107
3	Determination of annual and seasonal daytime and nighttime trends of MODIS LST over Greece - climate change implications. <i>Science of the Total Environment</i> , 2018, 616-617, 937-947.	8.0	82
4	Hydrological and water quality modeling in a medium-sized basin using the Soil and Water Assessment Tool (SWAT). <i>Desalination</i> , 2010, 250, 274-286.	8.2	73
5	Toward operational methods for the assessment of intrinsic groundwater vulnerability: A review. <i>Critical Reviews in Environmental Science and Technology</i> , 2016, 46, 827-884.	12.8	72
6	Groundwater Pollution and Quality Monitoring Approaches at the European Level. <i>Critical Reviews in Environmental Science and Technology</i> , 2013, 43, 323-408.	12.8	58
7	Developing empirical monthly groundwater recharge equations based on modeling and remote sensing data – Modeling future groundwater recharge to predict potential climate change impacts. <i>Journal of Hydrology</i> , 2017, 546, 1-13.	5.4	49
8	Performance assessment of nitrate leaching models for highly vulnerable soils used in low-input farming based on lysimeter data. <i>Science of the Total Environment</i> , 2014, 499, 463-480.	8.0	35
9	Evaluating the anthropogenic impacts on groundwaters; a methodology based on the determination of natural background levels and threshold values. <i>Environmental Earth Sciences</i> , 2012, 67, 2223-2237.	2.7	32
10	Use of GIS in siting stabilization pond facilities for domestic wastewater treatment. <i>Journal of Environmental Management</i> , 2007, 82, 155-166.	7.8	30
11	Current conditions of saltwater intrusion in the coastal Rhodope aquifer system, northeastern Greece. <i>Desalination</i> , 2009, 237, 22-41.	8.2	29
12	Spatial prediction of nitrate pollution in groundwaters using neural networks and GIS: an application to South Rhodope aquifer (Thrace, Greece). <i>Hydrological Processes</i> , 2009, 23, 372-383.	2.6	26
13	Evaluation of the effects of climate and man intervention on ground waters and their dependent ecosystems using time series analysis. <i>Journal of Hydrology</i> , 2011, 403, 130-140.	5.4	25
14	Conceptualizing and assessing the effects of installation and operation of photovoltaic power plants on major hydrologic budget constituents. <i>Science of the Total Environment</i> , 2014, 493, 239-250.	8.0	24
15	A decision tree tool supporting the assessment of groundwater vulnerability. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	2.7	22
16	A simple method for water balance estimation based on the empirical method and remotely sensed evapotranspiration estimates. <i>Journal of Hydroinformatics</i> , 2020, 22, 440-451.	2.4	22
17	Delineation of groundwater protection zones by the backward particle tracking method: theoretical background and GIS-based stochastic analysis. <i>Environmental Geology</i> , 2008, 54, 1081-1090.	1.2	21
18	Does groundwater protection in Europe require new EU-wide environmental quality standards?. <i>Frontiers in Chemistry</i> , 2014, 2, 32.	3.6	17

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19	Application of the Multi-Attribute Value Theory for engaging stakeholders in groundwater protection in the Vosvozis catchment in Greece. <i>Science of the Total Environment</i> , 2014, 470-471, 26-33.	8.0	17
20	Vegetation greening trends in different land use types: natural variability versus human-induced impacts in Greece. <i>Environmental Earth Sciences</i> , 2019, 78, 1.	2.7	17
21	Predicting land cover changes using a CA Markov model under different shared socioeconomic pathways in Greece. <i>GIScience and Remote Sensing</i> , 2021, 58, 425-441.	5.9	17
22	Land cover and vegetation carbon stock changes in Greece: A 29-year assessment based on CORINE and Landsat land cover data. <i>Science of the Total Environment</i> , 2021, 786, 147408.	8.0	17
23	Seawater intrusion into groundwater aquifer through a coastal lake - complex interaction characterised by water isotopes $^{2}\text{H}$ and $^{18}\text{O}$ . <i>Isotopes in Environmental and Health Studies</i> , 2014, 50, 74-87.	1.0	16
24	Intrinsic groundwater vulnerability determination at the aquifer scale: a methodology coupling travel time estimation and rating methods. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	2.7	16
25	Detecting geothermal anomalies using Landsat 8 thermal infrared remotely sensed data. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2021, 96, 102283.	2.8	14
26	A Spatial Downscaling Methodology for GRACE Total Water Storage Anomalies Using GPM IMERG Precipitation Estimates. <i>Remote Sensing</i> , 2021, 13, 5149.	4.0	14
27	HYDRA model: Simulation of salt intrusion in coastal aquifers using Visual Basic and GIS. <i>Environmental Modelling and Software</i> , 2007, 22, 924-936.	4.5	13
28	Evaluating Renewable Groundwater Stress with GRACE Data in Greece. <i>Ground Water</i> , 2018, 56, 501-514.	1.3	12
29	Estimating Groundwater Abstractions at the Aquifer Scale Using GRACE Observations. <i>Geosciences (Switzerland)</i> , 2018, 8, 419.	2.2	12
30	Estimation of spatio-temporal vegetation trends in different land use environments across Greece. <i>Journal of Land Use Science</i> , 2019, 14, 21-36.	2.2	11
31	Protection of groundwater dependent ecosystems: current policies and future management options. <i>Water Policy</i> , 2014, 16, 1070-1086.	1.5	10
32	The possible hydrologic effects of the proposed lignite open-pit mining in Drama lignite field, Greece. <i>Hydrological Processes</i> , 2008, 22, 1604-1617.	2.6	8
33	Public perception for monitoring and management of environmental risk: the case of the tires <sup>TM</sup> fire in Drama region, Greece. <i>Journal of Risk Research</i> , 2014, 17, 1183-1206.	2.6	6
34	A Google Earth Engine code to estimate properties of vegetation phenology in fire affected areas – A case study in North Evia wildfire event on August 2021. <i>Remote Sensing Applications: Society and Environment</i> , 2022, 26, 100720.	1.5	5
35	Use of GIS and Multi-Criteria Evaluation Techniques in Environmental Problems. <i>Smart Innovation, Systems and Technologies</i> , 2010, , 5-59.	0.6	4
36	Are Vegetation Dynamics Impacted from a Nuclear Disaster? The Case of Chernobyl Using Remotely Sensed NDVI and Land Cover Data. <i>Land</i> , 2020, 9, 433.	2.9	4

#	ARTICLE	IF	CITATIONS
37	Development of a sharp interface model that simulates coastal aquifer flow with the coupled use of GIS. Hydrogeology Journal, 2004, 12, 345.	2.1	3
38	Applying Remotely Sensed Environmental Information to Model Mosquito Populations. Sustainability, 2021, 13, 7655.	3.2	3
39	Assessment of properties of vegetation phenology in fire-affected areas from 2000 to 2015 in the Peloponnese, Greece. Remote Sensing Applications: Society and Environment, 2021, 23, 100535.	1.5	2
40	LAN Tool: A GIS Tool for the Improvement of Digital Elevation Models Using Drainage Network Attributes. Journal of Geographic Information System, 2013, 05, 325-336.	0.5	0
41	Advanced Environmental Monitoring with Remote Sensing Time Series Data and R. , 0, , .		0