

Orhan Gunduz

List of Publications by Year in descending order

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Version: 2024-02-01

43
papers

1,025
citations

516215

16
h-index

433756

31
g-index

46
all docs

46
docs citations

46
times ranked

1197
citing authors

#	ARTICLE	IF	CITATIONS
1	Radiological modeling of the impacts of the Chernobyl nuclear power plant accident on Turkey and southwest Asia. <i>Atmospheric Pollution Research</i> , 2022, 13, 101308.	1.8	0
2	A systematic assessment of flooding potential in a semi-arid watershed using GRACE gravity estimates and large-scale hydrological modeling. <i>Geocarto International</i> , 2022, 37, 11030-11051.	1.7	6
3	Detection and analysis of drought over Turkey with remote sensing and model-based drought indices. <i>Geocarto International</i> , 2022, 37, 12171-12193.	1.7	13
4	Assessment of river alteration using a new hydromorphological index. <i>Environmental Monitoring and Assessment</i> , 2021, 193, 226.	1.3	4
5	Evaluation of the temporal variations of groundwater storage and its interactions with climatic variables using <scp>GRACE</scp> data and hydrological models: A study from Turkey. <i>Hydrological Processes</i> , 2021, 35, e14076.	1.1	30
6	Analysis of the impact of various vertical release patterns on the atmospheric dispersion and total deposition of ¹³⁷ Cs from Chernobyl Nuclear Power Plant accident. <i>Environmental Science and Pollution Research</i> , 2021, 28, 66864-66887.	2.7	1
7	An enhanced water storage deficit index (EWSDI) for drought detection using GRACE gravity estimates. <i>Journal of Hydrology</i> , 2021, 603, 126812.	2.3	21
8	Land deformation and sinkhole occurrence in response to the fluctuations of groundwater storage: an integrated assessment of GRACE gravity measurements, ICESat/ICESat-2 altimetry data, and hydrologic models. <i>GIScience and Remote Sensing</i> , 2021, 58, 1518-1542.	2.4	10
9	Dose and risk estimation of Cs-137 and I-131 released from a hypothetical accident in Akkuyu Nuclear Power Plant. <i>Journal of Environmental Radioactivity</i> , 2020, 211, 106082.	0.9	7
10	Spatio-temporal interactions of surface urban heat island and its spectral indicators: a case study from Istanbul metropolitan area, Turkey. <i>Environmental Monitoring and Assessment</i> , 2020, 192, 386.	1.3	12
11	A deterministic and stochastic assessment for exposure and risk of arsenic via ingestion of edible crops. <i>Environmental Science and Pollution Research</i> , 2019, 26, 26855-26868.	2.7	2
12	Analyses of Meteorological Drought and its Impacts on Groundwater Fluctuations, a Case Study: Marand Plain (Iran). <i>Pamukkale University Journal of Engineering Sciences</i> , 2019, 25, 711-717.	0.2	8
13	Atmospheric dispersion patterns of radionuclides originating from nuclear power plant accidents under various release types. <i>International Journal of Energy Production and Management</i> , 2019, 4, 75-85.	1.9	1
14	Land surface temperature anomalies in response to changes in forest cover. <i>International Journal of Engineering and Geosciences</i> , 2019, 4, 149-156.	1.8	16
15	Development and application of a low-cost smartphone-based turbidimeter using scattered light. <i>Applied Optics</i> , 2018, 57, 5935.	0.9	18
16	The Health Risk Associated with Chronic Diseases in Villages with High Arsenic Levels in Drinking Water Supplies. <i>Exposure and Health</i> , 2017, 9, 261-273.	2.8	17
17	Assessment of seasonal and spatial variations of physicochemical parameters and trace elements along a heavily polluted effluent-dominated stream. <i>Environmental Monitoring and Assessment</i> , 2017, 189, 585.	1.3	21
18	Modeling of seawater intrusion in a coastal aquifer of Karaburun Peninsula, western Turkey. <i>Environmental Earth Sciences</i> , 2017, 76, 1.	1.3	14

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19	Effect of Geogenic Factors on Water Quality and Its Relation to Human Health around Mount Ida, Turkey. <i>Water (Switzerland)</i> , 2017, 9, 66.	1.2	12
20	Risk analysis for İzmir drinking water system with "CARVER" method. <i>Turk Hijiyen Ve Deneysel Biyoloji Dergisi Turkish Bulletin of Hygiene and Experimental Biology</i> , 2017, 74, 105-112.	0.1	0
21	The Impacts of Geothermal Fluid Discharge on Surface Water Quality with Emphasis on Arsenic. <i>Water, Air, and Soil Pollution</i> , 2016, 227, 1.	1.1	13
22	The Correlation Between Statistically Downscaled Precipitation Data and Groundwater Level Records in North-Western Turkey. <i>Water Resources Management</i> , 2016, 30, 5625-5635.	1.9	10
23	Water Quality Perspectives in a Changing World. <i>Water Quality, Exposure, and Health</i> , 2015, 7, 1-3.	1.5	18
24	Statistical Analysis of Causes of Death (2005-2010) in Villages of Simav Plain, Turkey, With High Arsenic Levels in Drinking Water Supplies. <i>Archives of Environmental and Occupational Health</i> , 2015, 70, 35-46.	0.7	32
25	Fate of Nutrients in Secondary Treated Municipal Wastewater during Percolation through the Soil Media. <i>Clean - Soil, Air, Water</i> , 2014, 42, 1036-1043.	0.7	3
26	An improved landfill site screening procedure under NIMBY syndrome constraints. <i>Landscape and Urban Planning</i> , 2014, 132, 1-15.	3.4	41
27	Comparison of Organic Matter Removal from Synthetic and Real Wastewater in a Laboratory-Scale Soil Aquifer Treatment System. <i>Water, Air, and Soil Pollution</i> , 2013, 224, 1.	1.1	20
28	Naturally occurring arsenic in terrestrial geothermal systems of western Anatolia, Turkey: Potential role in contamination of freshwater resources. <i>Journal of Hazardous Materials</i> , 2013, 262, 951-959.	6.5	69
29	Hydrochemical Status of an Acidic Mining Lake in Afan-Afanakkale, Turkey. <i>Water Environment Research</i> , 2013, 85, 604-620.	1.3	7
30	Sample Collection into Sterile Vacuum Tubes to Preserve Arsenic Speciation in Natural Water Samples. <i>Journal of Environmental Engineering, ASCE</i> , 2013, 139, 1080-1088.	0.7	2
31	Waste disposal on karstic terrain: a case study from the ancient marble quarries in Iznik (Nicaea), Turkey. <i>Geosciences Journal</i> , 2011, 15, 339-348.	0.6	5
32	Effect of Alteration Zones on Water Quality: A Case Study from Biga Peninsula, Turkey. <i>Archives of Environmental Contamination and Toxicology</i> , 2010, 58, 499-513.	2.1	17
33	Arsenic Pollution in the Groundwater of Simav Plain, Turkey: Its Impact on Water Quality and Human Health. <i>Water, Air, and Soil Pollution</i> , 2010, 205, 43-62.	1.1	97
34	Groundwater contamination mechanism in a geothermal field: A case study of Balçova, Turkey. <i>Journal of Contaminant Hydrology</i> , 2009, 103, 13-28.	1.6	100
35	Hydrogeological and hydrogeochemical characterization of a karstic mountain region. <i>Environmental Geology</i> , 2008, 54, 291-308.	1.2	33
36	The influence of stream bed hydraulic conductivity on sustaining baseflow in rivers. <i>Water Science and Technology</i> , 2007, 56, 259-266.	1.2	15

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37	IWQ Index: A GIS-Integrated Technique to Assess Irrigation Water Quality. Environmental Monitoring and Assessment, 2007, 128, 277-300.	1.3	156
38	A solid waste disposal site selection procedure based on groundwater vulnerability mapping. Environmental Geology, 2006, 49, 620-633.	1.2	50
39	ALTERNATIVE FORMULATIONS FOR THE REUSE OF TREATED WASTEWATER IN MENEMEN PLAIN IRRIGATION SCHEME. , 2006, , 281-290.		0
40	Surface/subsurface interactions: coupling mechanisms and numerical solution procedures. , 2006, , 121-130.		2
41	A Dirac- δ Function Notation for Source/Sink Terms in Groundwater Flow. Journal of Hydrologic Engineering - ASCE, 2005, 10, 420-427.	0.8	11
42	River networks and groundwater flow: a simultaneous solution of a coupled system. Journal of Hydrology, 2005, 301, 216-234.	2.3	85
43	Development of water quality management strategies for the proposed isikli reservoir. Water Science and Technology, 1998, 37, 369.	1.2	16