Orhan Gunduz

List of Publications by Year
in descending order

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43	1,025	516215 16	433756 31
papers	citations	h-index	g-index

46	46	46	1197
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	IWQ Index: A GIS-Integrated Technique to Assess Irrigation Water Quality. Environmental Monitoring and Assessment, 2007, 128, 277-300.	1.3	156
2	Groundwater contamination mechanism in a geothermal field: A case study of Balcova, Turkey. Journal of Contaminant Hydrology, 2009, 103, 13-28.	1.6	100
3	Arsenic Pollution in the Groundwater of Simav Plain, Turkey: Its Impact on Water Quality and Human Health. Water, Air, and Soil Pollution, 2010, 205, 43-62.	1.1	97
4	River networks and groundwater flow: a simultaneous solution of a coupled system. Journal of Hydrology, 2005, 301, 216-234.	2.3	85
5	Naturally occurring arsenic in terrestrial geothermal systems of western Anatolia, Turkey: Potential role in contamination of freshwater resources. Journal of Hazardous Materials, 2013, 262, 951-959.	6.5	69
6	A solid waste disposal site selection procedure based on groundwater vulnerability mapping. Environmental Geology, 2006, 49, 620-633.	1.2	50
7	An improved landfill site screening procedure under NIMBY syndrome constraints. Landscape and Urban Planning, 2014, 132, 1-15.	3.4	41
8	Hydrogeological and hydrogeochemical characterization of a karstic mountain region. Environmental Geology, 2008, 54, 291-308.	1.2	33
9	Statistical Analysis of Causes of Death (2005â€“2010) in Villages of Simav Plain, Turkey, With High Arsenic Levels in Drinking Water Supplies. Archives of Environmental and Occupational Health, 2015, 70, 35-46.	0.7	32
10	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. Hydrological Processes, 2021, 35, e14076.	1.1	30
11	Assessment of seasonal and spatial variations of physicochemical parameters and trace elements along a heavily polluted effluent-dominated stream. Environmental Monitoring and Assessment, 2017, 189, 585.	1.3	21
12	An enhanced water storage deficit index (EWSDI) for drought detection using GRACE gravity estimates. Journal of Hydrology, 2021, 603, 126812.	2.3	21
13	Comparison of Organic Matter Removal from Synthetic and Real Wastewater in a Laboratory-Scale Soil Aquifer Treatment System. Water, Air, and Soil Pollution, 2013, 224, 1.	1.1	20
14	Water Quality Perspectives in a Changing World. Water Quality, Exposure, and Health, 2015, 7, 1-3.	1.5	18
15	Development and application of a low-cost smartphone-based turbidimeter using scattered light. Applied Optics, 2018, 57, 5935.	0.9	18
16	Effect of Alteration Zones on Water Quality: A Case Study from Biga Peninsula, Turkey. Archives of Environmental Contamination and Toxicology, 2010, 58, 499-513.	2.1	17
17	The Health Risk Associated with Chronic Diseases in Villages with High Arsenic Levels in Drinking Water Supplies. Exposure and Health, 2017, 9, 261-273.	2.8	17
18	Development of water quality management strategies for the proposed isikli reservoir. Water Science and Technology, 1998, 37, 369.	1.2	16

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19	Land surface temperature anomalies in response to changes in forest cover. International Journal of Engineering and Geosciences, 2019, 4, 149-156.	1.8	16
20	The influence of stream bed hydraulic conductivity on sustaining baseflow in rivers. Water Science and Technology, 2007, 56, 259-266.	1.2	15
21	Modeling of seawater intrusion in a coastal aquifer of Karaburun Peninsula, western Turkey. Environmental Earth Sciences, 2017, 76, 1.	1.3	14
22	The Impacts of Geothermal Fluid Discharge on Surface Water Quality with Emphasis on Arsenic. Water, Air, and Soil Pollution, 2016, 227, 1.	1.1	13
23	Detection and analysis of drought over Turkey with remote sensing and model-based drought indices. Geocarto International, 2022, 37, 12171-12193.	1.7	13
24	Effect of Geogenic Factors on Water Quality and Its Relation to Human Health around Mount Ida, Turkey. Water (Switzerland), 2017, 9, 66.	1.2	12
25	Spatio-temporal interactions of surface urban heat island and its spectral indicators: a case study from Istanbul metropolitan area, Turkey. Environmental Monitoring and Assessment, 2020, 192, 386.	1.3	12
26	A Dirac-Î´ Function Notation for Source/Sink Terms in Groundwater Flow. Journal of Hydrologic Engineering - ASCE, 2005, 10, 420-427.	0.8	11
27	The Correlation Between Statistically Downscaled Precipitation Data and Groundwater Level Records in North-Western Turkey. Water Resources Management, 2016, 30, 5625-5635.	1.9	10
28	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. GIScience and Remote Sensing, 2021, 58, 1518-1542.	2.4	10
29	Analyses of Meteorological Drought and its Impacts on Groundwater Fluctuations, a Case Study: Marand Plain (Iran). Pamukkale University Journal of Engineering Sciences, 2019, 25, 711-717.	0.2	8
30	Hydrochemical Status of an Acidic Mining Lakein Ã‡an-Ã‡anakkale, Turkey. Water Environment Research, 2013, 85, 604-620.	1.3	7
31	Dose and risk estimation of Cs-137 and I-131 released from a hypothetical accident in Akkuyu Nuclear Power Plant. Journal of Environmental Radioactivity, 2020, 211, 106082.	0.9	7
32	A systematic assessment of flooding potential in a semi-arid watershed using GRACE gravity estimates and large-scale hydrological modeling. Geocarto International, 2022, 37, 11030-11051.	1.7	6
33	Waste disposal on karstic terrain: a case study from the ancient marble quarries in Iznik (Nicaea), Turkey. Geosciences Journal, 2011, 15, 339-348.	0.6	5
34	Assessment of river alteration using a new hydromorphological index. Environmental Monitoring and Assessment, 2021, 193, 226.	1.3	4
35	Fate of Nutrients in Secondary Treated Municipal Wastewater during Percolation through the Soil Media. Clean - Soil, Air, Water, 2014, 42, 1036-1043.	0.7	3
36	Sample Collection into Sterile Vacuum Tubes to Preserve Arsenic Speciation in Natural Water Samples. Journal of Environmental Engineering, ASCE, 2013, 139, 1080-1088.	0.7	2

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37	A deterministic and stochastic assessment for exposure and risk of arsenic via ingestion of edible crops. Environmental Science and Pollution Research, 2019, 26, 26855-26868.	2.7	2
38	Surface/subsurface interactions: coupling mechanisms and numerical solution procedures. , 2006, , 121-130.		2
39	Analysis of the impact of various vertical release patterns on the atmospheric dispersion and total deposition of 137Cs from Chernobyl Nuclear Power Plant accident. Environmental Science and Pollution Research, 2021, 28, 66864-66887.	2.7	1
40	Atmospheric dispersion patterns of radionuclides originating from nuclear power plant accidents under various release types. International Journal of Energy Production and Management, 2019, 4, 75-85.	1.9	1
41	ALTERNATIVE FORMULATIONS FOR THE REUSE OF TREATED WASTEWATER IN MENEMEN PLAIN IRRIGATION SCHEME. , 2006, , 281-290.		0
42	Risk analysis for Ä°zmir drinking water system with â€œCARVERâ€•method. Turk Hijiyen Ve Deneysel Biyoloji Dergisi Turkish Bulletin of Hygiene and Experimental Biology, 2017, 74, 105-112.	0.1	0
43	Radiological modeling of the impacts of the Chernobyl nuclear power plant accident on Turkey and southwest Asia. Atmospheric Pollution Research, 2022, 13, 101308.	1.8	0