

Alper Baba

List of Publications by Year in descending order

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Version: 2024-02-01

95
papers

1,720
citations

279701

23
h-index

345118

36
g-index

98
all docs

98
docs citations

98
times ranked

1568
citing authors

#	ARTICLE	IF	CITATIONS
1	Groundwater contamination and its effect on health in Turkey. Environmental Monitoring and Assessment, 2011, 183, 77-94.	1.3	82
2	Source of arsenic based on geological and hydrogeochemical properties of geothermal systems in Western Turkey. Chemical Geology, 2012, 334, 364-377.	1.4	81
3	Leaching characteristics of solid wastes from thermal power plants of western Turkey and comparison of toxicity methodologies. Journal of Environmental Management, 2004, 73, 199-207.	3.8	75
4	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
5	Assessment of radioactive contaminants in by-products from Yatagan (Mugla, Turkey) coal-fired power plant. Environmental Geology, 2002, 41, 916-921.	1.2	55
6	Leaching characteristics of fly ash from fluidized bed combustion thermal power plant: Case study: Aan (Aanakkale-Turkey). Fuel Processing Technology, 2010, 91, 1073-1080.	3.7	55
7	An assessment of the quality of various bottled mineral water marketed in Turkey. Environmental Monitoring and Assessment, 2008, 139, 277-285.	1.3	54
8	Effects of leachant temperature and pH on leachability of metals from fly ash. A case study: Can thermal power plant, province of Canakkale, Turkey. Environmental Monitoring and Assessment, 2008, 139, 287-298.	1.3	53
9	Environmental Impact of the Utilization of Geothermal Areas. Energy Sources, Part B: Economics, Planning and Policy, 2006, 1, 267-278.	1.8	52
10	Irrigation of World Agricultural Lands: Evolution through the Millennia. Water (Switzerland), 2020, 12, 1285.	1.2	50
11	Title is missing!. Water, Air, and Soil Pollution, 2003, 149, 93-111.	1.1	48
12	Utilization of renewable energy sources in desalination of geothermal water for agriculture. Desalination, 2021, 513, 115151.	4.0	46
13	Quality of groundwater resources in Afghanistan. Environmental Monitoring and Assessment, 2017, 189, 318.	1.3	40
14	Assessment of different nanofiltration and reverse osmosis membranes for simultaneous removal of arsenic and boron from spent geothermal water. Journal of Hazardous Materials, 2021, 405, 124129.	6.5	36
15	Groundwater quality and hydrogeochemical properties of Torbal± Region, Izmir, Turkey. Environmental Monitoring and Assessment, 2008, 146, 157-169.	1.3	35
16	Statistical Analysis of Causes of Death (2005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
17	Geomorphological investigation of the excavationnduced d¼ndar landslide, bursa  turkey. Geografiska Annaler, Series A: Physical Geography, 2008, 90, 109-123.	0.6	31
18	Desalination: From Ancient to Present and Future. Water (Switzerland), 2021, 13, 2222.	1.2	31

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19	Leaching Characteristics of Fly Ash from Thermal Power Plants of Soma and TunÅšbilek, Turkey. Environmental Monitoring and Assessment, 2004, 91, 171-181.	1.3	30
20	Types of the scaling in hyper saline geothermal system in northwest Turkey. Geothermics, 2014, 50, 1-9.	1.5	30
21	Effect of High Aluminum Concentration in Water Resources on Human Health, Case Study: Biga Peninsula, Northwest Part of Turkey. Archives of Environmental Contamination and Toxicology, 2010, 58, 935-944.	2.1	27
22	Distribution of geothermal arsenic in relation to geothermal play types: A global review and case study from the Anatolian plate (Turkey). Journal of Hazardous Materials, 2021, 414, 125510.	6.5	27
23	Title is missing!. Water, Air, and Soil Pollution, 2003, 144, 3-18.	1.1	26
24	Hydrogeochemical and isotopic composition of a low-temperature geothermal source in northwest Turkey: case study of Kirkgecit geothermal area. Environmental Earth Sciences, 2011, 62, 529-540.	1.3	26
25	Geological and hydrogeochemical properties of geothermal systems in the southeastern region of Turkey. Geothermics, 2019, 78, 255-271.	1.5	25
26	Hydrogeological properties of hyper-saline geothermal brine and application of inhibiting siliceous scale via pH modification. Geothermics, 2015, 53, 406-412.	1.5	24
27	Describing the Karst Evolution by the Exploitation of Hydrologic Time-Series Data. Water Resources Management, 2015, 29, 3131-3147.	1.9	23
28	Generation of Acid Mine Lakes Associated with Abandoned Coal Mines in Northwest Turkey. Archives of Environmental Contamination and Toxicology, 2016, 70, 757-782.	2.1	23
29	Geochemical and hydrogeochemical characteristics and evolution of KozaklÅ± geothermal fluids, Central Anatolia, Turkey. Geothermics, 2019, 80, 69-77.	1.5	21
30	Geochemical Characterization of Acid Mine Lakes in Northwest Turkey and Their Effect on the Environment. Archives of Environmental Contamination and Toxicology, 2013, 64, 357-376.	2.1	20
31	Prediction of acid mine drainage generation potential of various lithologies using static tests: Etili coal mine (NW Turkey) as a case study. Environmental Monitoring and Assessment, 2016, 188, 473.	1.3	19
32	Hydrochemical and Isotopic Composition of Tuzla Geothermal Field (Canakkale-Turkey) and its Environmental Impacts. Environmental Forensics, 2009, 10, 144-161.	1.3	18
33	Change detection and visualization of acid mine lakes using time series satellite image data in geographic information systems (GIS): Can (Canakkale) County, NW Turkey. Environmental Earth Sciences, 2014, 72, 4311-4323.	1.3	18
34	Developments in water dams and water harvesting systems throughout history in different civilizations. International Journal of Hydrology, 2018, 2, .	0.2	18
35	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
36	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

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37	Conceptual model of the G�4Ibah�Se geothermal system, Western Anatolia, Turkey: Based on structural and hydrogeochemical data. <i>Geothermics</i> , 2017, 68, 67-85.	1.5	17
38	Geothermal resources for sustainable development: A case study. <i>International Journal of Energy Research</i> , 2022, 46, 20501-20518.	2.2	17
39	Groundwater recharge estimation using HYDRUS 1D model in Ala�yehir sub-basin of Gediz Basin in Turkey. <i>Environmental Monitoring and Assessment</i> , 2019, 191, 610.	1.3	16
40	Increasing solubility of metal silicates by mixed polymeric antiscalants. <i>Geothermics</i> , 2019, 77, 106-114.	1.5	16
41	Application of geothermal energy and its environmental problems in Turkey. <i>International Journal of Global Environmental Issues</i> , 2015, 14, 321.	0.1	15
42	Modeling of seawater intrusion in a coastal aquifer of Karaburun Peninsula, western Turkey. <i>Environmental Earth Sciences</i> , 2017, 76, 1.	1.3	14
43	Two-dimensional finite elements model for selenium transport in saturated and unsaturated zones. <i>Environmental Monitoring and Assessment</i> , 2010, 169, 509-518.	1.3	13
44	Geochemical and radionuclide profile of Tuzla geothermal field, Turkey. <i>Environmental Monitoring and Assessment</i> , 2008, 145, 361-374.	1.3	12
45	Blowout mechanism of Alasehir (Turkey) geothermal field and its effects on groundwater chemistry. <i>Environmental Earth Sciences</i> , 2017, 76, 1.	1.3	12
46	Design of Polymeric Antiscalants Based on Functional Vinyl Monomers for (Fe, Mg) Silicates. <i>Energy & Fuels</i> , 2017, 31, 8489-8496.	2.5	12
47	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
48	The injection of CO2 to hypersaline geothermal brine: A case study for Tuzla region. <i>Geothermics</i> , 2019, 80, 86-91.	1.5	12
49	Use of abandoned oil wells in geothermal systems in Turkey. <i>Geomechanics and Geophysics for Geo-Energy and Geo-Resources</i> , 2020, 6, 1.	1.3	12
50	Assessment of the Water Quality of Troia for the Multipurpose Usages. <i>Environmental Monitoring and Assessment</i> , 2007, 130, 389-402.	1.3	11
51	Experimental modeling of silicate-based geothermal deposits. <i>Geothermics</i> , 2017, 69, 65-73.	1.5	11
52	Thermal fluid circulation around the Karloiva triple junction: Geochemical features and volcano-tectonic implications (Eastern Turkey). <i>Geothermics</i> , 2019, 81, 168-184.	1.5	11
53	Fairy Chimneys of Cappadocia and Their Engineering Properties. <i>Journal of Applied Sciences</i> , 2005, 5, 800-805.	0.1	11
54	Integrated pressure-driven membrane separation processes for the production of agricultural irrigation water from spent geothermal water. <i>Desalination</i> , 2022, 523, 115428.	4.0	9

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55	Effects of seismic activity on groundwater level and geothermal systems in İzmir, Western Anatolia, Turkey: the case study from October 30, 2020 Samos Earthquake. Turkish Journal of Earth Sciences, 2021, 30, 758-778.	0.4	8
56	High heat generating granites of Kestanol: future enhanced geothermal system (EGS) province in western Anatolia. Turkish Journal of Earth Sciences, 2021, 30, 1032-1044.	0.4	8
57	Estimation groundwater total recharge and discharge using GIS-integrated water level fluctuation method: a case study from the Alaşehir alluvial aquifer Western Anatolia, Turkey. Arabian Journal of Geosciences, 2020, 13, 1.	0.6	8
58	The impact of an open waste disposal site on soil and groundwater pollution. International Journal of Environment and Pollution, 2004, 22, 676.	0.2	7
59	URBAN GROUNDWATER POLLUTION IN TURKEY. , 2006, , 93-110.		7
60	Direct Quantitative Determination of Total Arsenic in Natural Hotwaters by Anodic Stripping Voltammetry at the Rotating Lateral Gold Electrode. Current Analytical Chemistry, 2009, 5, 29-34.	0.6	7
61	Enrichment of trace element concentrations in coal and its combustion residues and their potential environmental and human health impact: Can Coal Basin, NW Turkey as a case study. International Journal of Environmental Technology and Management, 2016, 19, 455.	0.1	7
62	Characterization of Sb scaling and fluids in saline geothermal power plants: A case study for Germencik Region (Balçova-Menderes Graben, Turkey). Geothermics, 2021, 96, 102227.	1.5	7
63	Carbon dioxide emissions mitigation strategy through enhanced geothermal systems: western Anatolia, Turkey. Environmental Earth Sciences, 2022, 81, 235.	1.3	7
64	Environmental and Exergetic Aspects of Geothermal Energy. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2006, 28, 597-609.	1.2	6
65	Use of electrospun fiber mats for the remediation of hypersaline geothermal brine. , 0, 62, 94-100.		6
66	Effect of warfare waste on soil: a case study of Gallipoli Peninsula (Turkey). International Journal of Environment and Pollution, 2004, 22, 657.	0.2	5
67	Structural controls and hydrogeochemical properties of geothermal fields in the Varto region, East Anatolia. Turkish Journal of Earth Sciences, 2021, 30, 1076-1095.	0.4	5
68	Groundwater resources and quality in Syria. Groundwater for Sustainable Development, 2021, 14, 100617.	2.3	5
69	Understanding Environmental Security At Ports And Harbors. NATO Science for Peace and Security Series C: Environmental Security, 2007, , 3-15.	0.1	5
70	Utilization of membrane separation processes for reclamation and reuse of geothermal water in agricultural irrigation of tomato plants-pilot membrane tests and economic analysis. Desalination, 2022, 528, 115608.	4.0	5
71	Two-dimensional finite elements model for boron management in agroforestry sites. Environmental Monitoring and Assessment, 2010, 160, 501-512.	1.3	4
72	Hydrogeology and hydrogeochemistry of the geothermal systems and its direct use application: Balçova-Narlıdere geothermal system, İzmir, Turkey. Geothermics, 2022, 104, 102461.	1.5	4

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73	Geothermal potential of granites: Case study- Kaymaz and Sivrihisar (Eskisehir region) Western Anatolia. <i>Renewable Energy</i> , 2022, 196, 870-882.	4.3	4
74	Effects of fly ash from coal-burning electrical utilities on ecosystem and utilization of fly ash. , 2006, , 15-31.		3
75	Use of geothermal fluid for agricultural irrigation: preliminary studies in BalÅova- NarlÅ±dere Geothermal Field (Turkey). <i>Turkish Journal of Earth Sciences</i> , 2021, 30, 1186-1199.	0.4	3
76	Testing the Performance of Various Polymeric Antiscalants for Mitigation of Sb-Rich Precipitates Mimicking Stibnite-Based Geothermal Deposits. <i>Geofluids</i> , 2020, 2020, 1-10.	0.3	3
77	Experimental modeling of antimony sulfides-rich geothermal deposits and their solubility in the presence of polymeric antiscalants. <i>Geothermics</i> , 2022, 104, 102452.	1.5	3
78	Concentrations of heavy metals in fly ash from ÅAN coal combustion thermal power plant (Åanakkale-Turkey)-II. <i>Diqiu Huaxue</i> , 2006, 25, 53-53.	0.5	2
79	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
80	Groundwater in local development strategies: case of Izmir. <i>Water Science and Technology: Water Supply</i> , 2018, 18, 1339-1349.	1.0	2
81	Removal of metals and metalloids from acidic mining lake (AML) using olive oil solid waste (OSW). <i>International Journal of Environmental Science and Technology</i> , 2019, 16, 4047-4058.	1.8	2
82	Effect of high salinity and temperature on waterâvolcanic rock interaction. <i>Environmental Earth Sciences</i> , 2021, 80, 1.	1.3	2
83	Effects of Mining Activities on Water around the Åanakkale Plain, Turkey. , 2007, , 3-10.		2
84	Application Of Rapid Impact Assessment Matrix (Riam) Method For Waste Disposal Site. <i>NATO Science for Peace and Security Series C: Environmental Security</i> , 2007, , 471-481.	0.1	2
85	Valuing Groundwater Heritage: the Historic Wells of KadÅ±ovacÅ±k. <i>Geoheritage</i> , 2021, 13, 1.	1.5	2
86	Brine minimization in desalination of the geothermal reinjection fluid by pressure-driven membrane separation processes. <i>Desalination</i> , 2022, 535, 115840.	4.0	2
87	Determination of potential hazardous elements in Åan coals (Canakkale-Turkey)-I. <i>Diqiu Huaxue</i> , 2006, 25, 52-53.	0.5	1
88	Investigation of Lithium Sorption Efficiency Using SWCNT Functionalized Electrospun Fiber Mats from the Hypersaline Geothermal Brine. <i>Materials Science Forum</i> , 2018, 915, 121-126.	0.3	1
89	A quality assessment of public water fountains and relation to human health: a case study from Yozgat, Turkey. <i>Water and Environment Journal</i> , 2019, 33, 518-535.	1.0	1
90	Naturally Occurring Arsenic and Boron in Geothermal Systems and Their Health Effects: A Case Study from Turkey. , 2021, , 615-635.		1

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91	Groundwater recharge estimation on the Alaşehir sub-basin using hydro-geochemical data; Alaşehir case study. Environmental Earth Sciences, 2021, 80, 1.	1.3	1
92	Climate Change Mitigation with Renewable Energy: Geothermal. NATO Science for Peace and Security Series C: Environmental Security, 2011, , 25-33.	0.1	1
93	Investigation of groundwater potential and groundwater pollution risk using the multi-criteria method: a case study (the Alaşehir sub-basin, western Turkey). Arabian Journal of Geosciences, 2020, 13, 1.	0.6	1
94	Enrichment of trace element concentrations in coal and its combustion residues and their potential environmental and human health impact: Can Coal Basin, NW Turkey as a case study. International Journal of Environmental Technology and Management, 2016, 19, 455.	0.1	0
95	Thermal Treatment of Wastewater from Cheese Production in Turkey. , 0, , 347-355.		0