

# 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	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
2	Utilization of membrane separation processes for reclamation and reuse of geothermal water in agricultural irrigation of tomato plants-pilot membrane tests and economic analysis. <i>Desalination</i> , 2022, 528, 115608.	4.0	5
3	Geothermal resources for sustainable development: A case study. <i>International Journal of Energy Research</i> , 2022, 46, 20501-20518.	2.2	17
4	Carbon dioxide emissions mitigation strategy through enhanced geothermal systems: western Anatolia, Turkey. <i>Environmental Earth Sciences</i> , 2022, 81, 235.	1.3	7
5	Brine minimization in desalination of the geothermal reinjection fluid by pressure-driven membrane separation processes. <i>Desalination</i> , 2022, 535, 115840.	4.0	2
6	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
7	Hydrogeology and hydrogeochemistry of the geothermal systems and its direct use application: BalÅšova-Narlıdere geothermal system, Å°zmir, Turkey. <i>Geothermics</i> , 2022, 104, 102461.	1.5	4
8	Geothermal potential of granites: Case study- Kaymaz and Sivrihisar (Eskisehir region) Western Anatolia. <i>Renewable Energy</i> , 2022, 196, 870-882.	4.3	4
9	Assessment of different nanofiltration and reverse osmosis membranes for simultaneous removal of arsenic and boron from spent geothermal water. <i>Journal of Hazardous Materials</i> , 2021, 405, 124129.	6.5	36
10	Use of geothermal fluid for agricultural irrigation: preliminary studies in BalÅšova- Narlıdere Geothermal Field (Turkey). <i>Turkish Journal of Earth Sciences</i> , 2021, 30, 1186-1199.	0.4	3
11	Effects of seismic activity on groundwater level and geothermal systems in Å°zmir, Western Anatolia, Turkey; the case study from October 30, 2020 Samos Earthquake. <i>Turkish Journal of Earth Sciences</i> , 2021, 30, 758-778.	0.4	8
12	Structural controls and hydrogeochemical properties of geothermal fields in the Varto region, East Anatolia. <i>Turkish Journal of Earth Sciences</i> , 2021, 30, 1076-1095.	0.4	5
13	Effect of high salinity and temperature on water-volcanic rock interaction. <i>Environmental Earth Sciences</i> , 2021, 80, 1.	1.3	2
14	High heat generating granites of Kestanol: future enhanced geothermal system (EGS) province in western Anatolia. <i>Turkish Journal of Earth Sciences</i> , 2021, 30, 1032-1044.	0.4	8
15	Naturally Occurring Arsenic and Boron in Geothermal Systems and Their Health Effects: A Case Study from Turkey. , 2021, , 615-635.		1
16	Groundwater recharge estimation on the AlaÅšehir sub-basin using hydro-geochemical data; AlaÅšehir case study. <i>Environmental Earth Sciences</i> , 2021, 80, 1.	1.3	1
17	Distribution of geothermal arsenic in relation to geothermal play types: A global review and case study from the Anatolian plate (Turkey). <i>Journal of Hazardous Materials</i> , 2021, 414, 125510.	6.5	27
18	Groundwater resources and quality in Syria. <i>Groundwater for Sustainable Development</i> , 2021, 14, 100617.	2.3	5

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19	Desalination: From Ancient to Present and Future. <i>Water (Switzerland)</i> , 2021, 13, 2222.	1.2	31
20	Utilization of renewable energy sources in desalination of geothermal water for agriculture. <i>Desalination</i> , 2021, 513, 115151.	4.0	46
21	Characterization of Sb scaling and fluids in saline geothermal power plants: A case study for Germencik Region (B�y�k Menderes Graben, Turkey). <i>Geothermics</i> , 2021, 96, 102227.	1.5	7
22	Valuing Groundwater Heritage: the Historic Wells of Kad�ovac�k. <i>Geoheritage</i> , 2021, 13, 1.	1.5	2
23	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
24	Irrigation of World Agricultural Lands: Evolution through the Millennia. <i>Water (Switzerland)</i> , 2020, 12, 1285.	1.2	50
25	Investigation of groundwater potential and groundwater pollution risk using the multi-criteria method: a case study (the Ala�ehir sub-basin, western Turkey). <i>Arabian Journal of Geosciences</i> , 2020, 13, 1.	0.6	1
26	Estimation groundwater total recharge and discharge using GIS-integrated water level fluctuation method: a case study from the Ala�ehir alluvial aquifer Western Anatolia, Turkey. <i>Arabian Journal of Geosciences</i> , 2020, 13, 1.	0.6	8
27	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
28	Groundwater recharge estimation using HYDRUS 1D model in Ala�ehir sub-basin of Gediz Basin in Turkey. <i>Environmental Monitoring and Assessment</i> , 2019, 191, 610.	1.3	16
29	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
30	The injection of CO2 to hypersaline geothermal brine: A case study for Tuzla region. <i>Geothermics</i> , 2019, 80, 86-91.	1.5	12
31	Geochemical and hydrogeochemical characteristics and evolution of Kozakl� geothermal fluids, Central Anatolia, Turkey. <i>Geothermics</i> , 2019, 80, 69-77.	1.5	21
32	Increasing solubility of metal silicates by mixed polymeric antiscalants. <i>Geothermics</i> , 2019, 77, 106-114.	1.5	16
33	Geological and hydrogeochemical properties of geothermal systems in the southeastern region of Turkey. <i>Geothermics</i> , 2019, 78, 255-271.	1.5	25
34	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
35	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
36	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

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37	Groundwater in local development strategies: case of Izmir. <i>Water Science and Technology: Water Supply</i> , 2018, 18, 1339-1349.	1.0	2
38	Developments in water dams and water harvesting systems throughout history in different civilizations. <i>International Journal of Hydrology</i> , 2018, 2, .	0.2	18
39	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
40	Blowout mechanism of Alasehir (Turkey) geothermal field and its effects on groundwater chemistry. <i>Environmental Earth Sciences</i> , 2017, 76, 1.	1.3	12
41	Experimental modeling of silicate-based geothermal deposits. <i>Geothermics</i> , 2017, 69, 65-73.	1.5	11
42	Quality of groundwater resources in Afghanistan. <i>Environmental Monitoring and Assessment</i> , 2017, 189, 318.	1.3	40
43	Conceptual model of the GÃ¼lbahÃ§e geothermal system, Western Anatolia, Turkey: Based on structural and hydrogeochemical data. <i>Geothermics</i> , 2017, 68, 67-85.	1.5	17
44	Modeling of seawater intrusion in a coastal aquifer of Karaburun Peninsula, western Turkey. <i>Environmental Earth Sciences</i> , 2017, 76, 1.	1.3	14
45	Design of Polymeric Antiscalants Based on Functional Vinyl Monomers for (Fe, Mg) Silicates. <i>Energy &amp; Fuels</i> , 2017, 31, 8489-8496.	2.5	12
46	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
47	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. <i>International Journal of Environmental Technology and Management</i> , 2016, 19, 455.	0.1	7
48	Generation of Acid Mine Lakes Associated with Abandoned Coal Mines in Northwest Turkey. <i>Archives of Environmental Contamination and Toxicology</i> , 2016, 70, 757-782.	2.1	23
49	Prediction of acid mine drainage generation potential of various lithologies using static tests: Etili coal mine (NW Turkey) as a case study. <i>Environmental Monitoring and Assessment</i> , 2016, 188, 473.	1.3	19
50	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. <i>International Journal of Environmental Technology and Management</i> , 2016, 19, 455.	0.1	0
51	Application of geothermal energy and its environmental problems in Turkey. <i>International Journal of Global Environmental Issues</i> , 2015, 14, 321.	0.1	15
52	Statistical Analysis of Causes of Death (2005â€“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
53	Describing the Karst Evolution by the Exploitation of Hydrologic Time-Series Data. <i>Water Resources Management</i> , 2015, 29, 3131-3147.	1.9	23
54	Hydrogeological properties of hyper-saline geothermal brine and application of inhibiting siliceous scale via pH modification. <i>Geothermics</i> , 2015, 53, 406-412.	1.5	24

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55	Types of the scaling in hyper saline geothermal system in northwest Turkey. <i>Geothermics</i> , 2014, 50, 1-9.	1.5	30
56	Change detection and visualization of acid mine lakes using time series satellite image data in geographic information systems (GIS): Can (Canakkale) County, NW Turkey. <i>Environmental Earth Sciences</i> , 2014, 72, 4311-4323.	1.3	18
57	Geochemical Characterization of Acid Mine Lakes in Northwest Turkey and Their Effect on the Environment. <i>Archives of Environmental Contamination and Toxicology</i> , 2013, 64, 357-376.	2.1	20
58	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
59	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
60	Source of arsenic based on geological and hydrogeochemical properties of geothermal systems in Western Turkey. <i>Chemical Geology</i> , 2012, 334, 364-377.	1.4	81
61	Groundwater contamination and its effect on health in Turkey. <i>Environmental Monitoring and Assessment</i> , 2011, 183, 77-94.	1.3	82
62	Hydrogeochemical and isotopic composition of a low-temperature geothermal source in northwest Turkey: case study of Kirkgöçit geothermal area. <i>Environmental Earth Sciences</i> , 2011, 62, 529-540.	1.3	26
63	Climate Change Mitigation with Renewable Energy: Geothermal. <i>NATO Science for Peace and Security Series C: Environmental Security</i> , 2011, , 25-33.	0.1	1
64	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
65	Effect of High Aluminum Concentration in Water Resources on Human Health, Case Study: Biga Peninsula, Northwest Part of Turkey. <i>Archives of Environmental Contamination and Toxicology</i> , 2010, 58, 935-944.	2.1	27
66	Two-dimensional finite elements model for boron management in agroforestry sites. <i>Environmental Monitoring and Assessment</i> , 2010, 160, 501-512.	1.3	4
67	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
68	Leaching characteristics of fly ash from fluidized bed combustion thermal power plant: Case study: Aþan (Aþanakkale-Turkey). <i>Fuel Processing Technology</i> , 2010, 91, 1073-1080.	3.7	55
69	Direct Quantitative Determination of Total Arsenic in Natural Hotwaters by Anodic Stripping Voltammetry at the Rotating Lateral Gold Electrode. <i>Current Analytical Chemistry</i> , 2009, 5, 29-34.	0.6	7
70	Hydrochemical and Isotopic Composition of Tuzla Geothermal Field (Canakkale-Turkey) and its Environmental Impacts. <i>Environmental Forensics</i> , 2009, 10, 144-161.	1.3	18
71	Geochemical and radionuclide profile of Tuzla geothermal field, Turkey. <i>Environmental Monitoring and Assessment</i> , 2008, 145, 361-374.	1.3	12
72	Groundwater quality and hydrogeochemical properties of Torbalı Region, Izmir, Turkey. <i>Environmental Monitoring and Assessment</i> , 2008, 146, 157-169.	1.3	35

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73	An assessment of the quality of various bottled mineral water marketed in Turkey. Environmental Monitoring and Assessment, 2008, 139, 277-285.	1.3	54
74	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
75	Geomorphological investigation of the excavation-induced d¼¼ndar landslide, bursa â€” turkey. Geografiska Annaler, Series A: Physical Geography, 2008, 90, 109-123.	0.6	31
76	Assessment of the Water Quality of Troia for the Multipurpose Usages. Environmental Monitoring and Assessment, 2007, 130, 389-402.	1.3	11
77	Effects of Mining Activities on Water around the Åžanakkale Plain, Turkey. , 2007, , 3-10.		2
78	Understanding Environmental Security At Ports And Harbors. NATO Science for Peace and Security Series C: Environmental Security, 2007, , 3-15.	0.1	5
79	Application Of Rapid Impact Assessment Matrix (Riam) Method For Waste Disposal Site. NATO Science for Peace and Security Series C: Environmental Security, 2007, , 471-481.	0.1	2
80	Effects of fly ash from coal-burning electrical utilities on ecosystem and utilization of fly ash. , 2006, , 15-31.		3
81	Environmental and Exergetic Aspects of Geothermal Energy. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2006, 28, 597-609.	1.2	6
82	Determination of potential hazardous elements in Åžan coals (Canakkale-Turkey)-I. Diqiu Huaxue, 2006, 25, 52-53.	0.5	1
83	Concentrations of heavy metals in fly ash from ÅžAN coal combustion thermal power plant (Åžanakkale-Turkey)-II. Diqiu Huaxue, 2006, 25, 53-53.	0.5	2
84	Environmental Impact of the Utilization of Geothermal Areas. Energy Sources, Part B: Economics, Planning and Policy, 2006, 1, 267-278.	1.8	52
85	URBAN GROUNDWATER POLLUTION IN TURKEY. , 2006, , 93-110.		7
86	Fairy Chimneys of Cappadocia and Their Engineering Properties. Journal of Applied Sciences, 2005, 5, 800-805.	0.1	11
87	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
88	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
89	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
90	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

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91	Title is missing!. Water, Air, and Soil Pollution, 2003, 149, 93-111.	1.1	48
92	Title is missing!. Water, Air, and Soil Pollution, 2003, 144, 3-18.	1.1	26
93	Assessment of radioactive contaminants in by-products from Yatagan (Mugla, Turkey) coal-fired power plant. Environmental Geology, 2002, 41, 916-921.	1.2	55
94	Use of electrospun fiber mats for the remediation of hypersaline geothermal brine. , 0, 62, 94-100.		6
95	Thermal Treatment of Wastewater from Cheese Production in Turkey. , 0, , 347-355.		0