Georgios Bartzas

List of Publications by Year
in descending order

43 papers	1,482 citations	331670 21 h-index	315739 38 g-index
45 all docs	45 docs citations	45 times ranked	1591 citing authors

#	Article	IF	Citations
1	Effect of synthesis parameters on the quality of construction and demolition wastes (CDW) geopolymers. Advanced Powder Technology, 2015, 26, 368-376.	4.1	211
2	Efficiency of limestone and red mud barriers: laboratory column studies. Minerals Engineering, 2004, 17, 183-194.	4.3	141
3	Assessment of Pistachio Shell Biochar Quality and Its Potential for Adsorption of Heavy Metals. Waste and Biomass Valorization, 2015, 6, 805-816.	3.4	110
4	Effect of sulphate and nitrate anions on heavy metal immobilisation in ferronickel slag geopolymers. Applied Clay Science, 2013, 73, 103-109.	5.2	106
5	Solid phase studies and geochemical modelling of low-cost permeable reactive barriers. Journal of Hazardous Materials, 2010, 183, 301-308.	12.4	74
6	Laboratory evaluation of Fe0 barriers to treat acidic leachates. Minerals Engineering, 2006, 19, 505-514.	4.3	73
7	Long-term efficiency and kinetic evaluation of ZVI barriers during clean-up of copper containing solutions. Minerals Engineering, 2007, 20, 1200-1209.	4.3	54
8	Life cycle assessment of open field and greenhouse cultivation of lettuce and barley. Information Processing in Agriculture, 2015, 2, 191-207.	4.1	53
9	Life cycle assessment of ferronickel production in Greece. Resources, Conservation and Recycling, 2015, 105, 113-122.	10.8	48
10	Assessment of groundwater contamination risk in an agricultural area in north Italy. Information Processing in Agriculture, 2015, 2, 109-129.	4.1	42
11	Life cycle analysis of pistachio production in Greece. Science of the Total Environment, 2017, 595, 13-24.	8.0	40
12	Column leaching of low-grade saprolitic laterites and valorization of leaching residues. Science of the Total Environment, 2019, 665, 347-357.	8.0	37
13	Waste marble dust and recycled glass valorization in the production of ternary blended cements. Science of the Total Environment, 2021, 761, 143224.	8.0	35
14	Factors affecting co-valorization of fayalitic and ferronickel slags for the production of alkali activated materials. Science of the Total Environment, 2020, 721, 137753.	8.0	31
15	Efficiency of pecan shells and sawdust biochar on Pb and Cu adsorption. Desalination and Water Treatment, 2016, 57, 3237-3246.	1.0	29
16	Grinding Kinetics of Slag and Effect of Final Particle Size on the Compressive Strength of Alkali Activated Materials. Minerals (Basel, Switzerland), 2019, 9, 714.	2.0	29
17	Quantification of trace elements in surgical and KN95 face masks widely used during the SARS-COVID-19 pandemic. Science of the Total Environment, 2022, 814, 151924.	8.0	29
18	An integrated multi-criteria analysis for assessing sustainability of agricultural production at regional level. Information Processing in Agriculture, 2020, 7, 223-232.	4.1	28

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19	Inorganic Contaminant Fate Assessment in Zero-Valent Iron Treatment Walls. Environmental Forensics, 2006, 7, 207-217.	2.6	26
20	Comparative life cycle assessment of pistachio, almond and apple production. Information Processing in Agriculture, 2017, 4, 188-198.	4.1	25
21	Characterization and leachability evaluation of medical wastes incineration fly and bottom ashes and their vitrification outgrowths. Journal of Environmental Chemical Engineering, 2018, 6, 367-376.	6.7	24
22	Assessment of Alkali Activation Potential of a Polish Ferronickel Slag. Sustainability, 2019, 11, 1863.	3.2	23
23	Adsorption of Scandium and Neodymium on Biochar Derived after Low-Temperature Pyrolysis of Sawdust. Minerals (Basel, Switzerland), 2017, 7, 200.	2.0	19
24	Tracing the origin of chromium in groundwater: Current and new perspectives. Current Opinion in Environmental Science and Health, 2021, 22, 100267.	4.1	19
25	Properties of Inorganic Polymers Produced from Brick Waste and Metallurgical Slag. Minerals (Basel,) Tj ETQq1 1 0.784314 rgBT /Ove	2.0	18
26	Vitrified medical wastes bottom ash in cement clinkerization. Microstructural, hydration and leaching characteristics. Science of the Total Environment, 2018, 635, 705-715.	8.0	17
27	Modeling of Reaction Front Progress in Fly Ash Permeable Reactive Barriers. Environmental Forensics, 2006, 7, 219-231.	2.6	16
28	Assessment of Aquifer Vulnerability in an Agricultural Area in Spain Using the DRASTIC Model. Environmental Forensics, 2015, 16, 356-373.	2.6	15
29	Marble Waste Valorization through Alkali Activation. Minerals (Basel, Switzerland), 2021, 11, 46.	2.0	15
30	Nickel industry: Heavy metal(loid)s contamination - sources, environmental impacts and recent advances on waste valorization. Current Opinion in Environmental Science and Health, 2021, 21, 100253.	4.1	15
31	Synthetic wollastonitic glass ceramics derived from recycled glass and medical waste incinerator fly ash. Journal of Environmental Chemical Engineering, 2018, 6, 5812-5819.	6.7	14
32	Removal of heavy metals from leachates using organic/inorganic permeable reactive barriers. Desalination and Water Treatment, 2013, 51, 3052-3059.	1.0	13
33	Energy flow analysis in agriculture; the case of irrigated pistachio production in Greece. Sustainable Energy Technologies and Assessments, 2018, 28, 73-80.	2.7	10
34	Factors Affecting Alkali Activation of Laterite Acid Leaching Residues. Environments - MDPI, 2021, 8, 4.	3.3	8
35	Synthesis of Zeolites from Greek Fly Ash and Assessment of Their Copper Removal Capacity. Minerals (Basel, Switzerland), 2020, 10, 844.	2.0	6
36	Grinding Behavior and Potential Beneficiation Options of Bauxite Ores. Minerals (Basel, Switzerland), 2020, 10, 314.	2.0	5

#	Article	IF	Citations
37	Evaluation of groundwater vulnerability in a Greek island using GIS-based models. , 0, 67, 61-73.		5
38	Efficiency of composite permeable reactive barriers for the removal of Cr(VI) from leachates. Desalination and Water Treatment, 2016, 57, 8990-9000.	1.0	4
39	Arsenic release through refractory gold ore processing. Immobilization and decontamination approaches. Current Opinion in Environmental Science and Health, 2021, 20, 100236.	4.1	4
40	Environmental Risk Assessment in Agriculture: The Example of Pistacia vera L. Cultivation in Greece. Sustainability, 2020, 12, 5735.	3.2	3
41	Editorial for Special Issue: Alkali Activated Materials: Advances, Innovations, Future Trends. Minerals (Basel, Switzerland), 2021, 11, 75.	2.0	3
42	CO2 Sequestration Using Fly Ash from Lignite Power Plants. , 2022, 5, .		1
43	Assessment of groundwater vulnerability to pollution in Barrax, Albacete, Spain. Acta Horticulturae, 2016, , 221-226.	0.2	0