

# Konstantinos A Komnitsas

## List of Publications by Year in descending order

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112  
papers

4,610  
citations

116194

36  
h-index

124990

64  
g-index

115  
all docs

115  
docs citations

115  
times ranked

4649  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of Grinding Media Size on Ferronickel Slag Ball Milling Efficiency and Energy Requirements Using Kinetics and Attainable Region Approaches. Minerals (Basel, Switzerland), 2022, 12, 184.	0.8	4
2	Factors affecting nickel upgrade during selective grinding of low-grade limonitic laterites. Mineral Processing and Extractive Metallurgy: Transactions of the Institute of Mining and Metallurgy, 2021, 130, 192-201.	0.1	8
3	Marble Waste Valorization through Alkali Activation. Minerals (Basel, Switzerland), 2021, 11, 46.	0.8	15
4	Factors Affecting Alkali Activation of Laterite Acid Leaching Residues. Environments - MDPI, 2021, 8, 4.	1.5	8
5	Editorial for Special Issue: Alkali Activated Materials: Advances, Innovations, Future Trends. Minerals (Basel, Switzerland), 2021, 11, 75.	0.8	3
6	Development of a Non-linear Framework for the Prediction of the Particle Size Distribution of the Grinding Products. Mining, Metallurgy and Exploration, 2021, 38, 1253-1266.	0.4	3
7	Gradual Replacement of Ca <sup>2+</sup> with Mg <sup>2+</sup> Ions in Brushite for the Production of Ca <sub>1-x</sub> Mg <sub>x</sub> HPO <sub>4</sub> ·nH <sub>2</sub> O Materials. Minerals (Basel, Switzerland), 2021, 11, 284.	0.8	5
8	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.	2.1	15
9	An integrated multi-criteria analysis for assessing sustainability of agricultural production at regional level. Information Processing in Agriculture, 2020, 7, 223-232.	2.9	28
10	Environmental Risk Assessment in Agriculture: The Example of Pistacia vera L. Cultivation in Greece. Sustainability, 2020, 12, 5735.	1.6	3
11	Efficiency of Chemical and Biological Leaching of Copper Slag for the Recovery of Metals and Valorisation of the Leach Residue as Raw Material in Cement Production. Minerals (Basel,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	0.8	10
12	Near-zero-waste processing of low-grade, complex primary ores and secondary raw materials in Europe: technology development trends. Resources, Conservation and Recycling, 2020, 160, 104919.	5.3	114
13	Social License to Operate in Mining: Present Views and Future Trends. Resources, 2020, 9, 79.	1.6	22
14	Investigating the Suitability of Grape Husks Biochar, Municipal Solid Wastes Compost and Mixtures of Them for Agricultural Applications to Mediterranean Soils. Resources, 2020, 9, 33.	1.6	8
15	Factors affecting co-valorization of fayalitic and ferronickel slags for the production of alkali activated materials. Science of the Total Environment, 2020, 721, 137753.	3.9	31
16	Grinding Behavior and Potential Beneficiation Options of Bauxite Ores. Minerals (Basel, Switzerland), 2020, 10, 314.	0.8	5
17	Synthesis of Zeolites from Greek Fly Ash and Assessment of Their Copper Removal Capacity. Minerals (Basel, Switzerland), 2020, 10, 844.	0.8	6
18	Editorial for Special Issue "Recent Advances in Hydro- and Biohydrometallurgy". Minerals (Basel,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.8	5

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19	Properties of Inorganic Polymers Produced from Brick Waste and Metallurgical Slag. Minerals (Basel,) Tj ETQq1 1 0.784314 rgBT /Ove	0.8	18
20	Effect of Energy Input in a Ball Mill on Dimensional Properties of Grinding Products. Mining, Metallurgy and Exploration, 2019, 36, 803-816.	0.4	6
21	Energy efficient production of glass-ceramics using photovoltaic (P/V) glass and lignite fly ash. Waste Management, 2019, 90, 46-58.	3.7	22
22	Assessment of Alkali Activation Potential of a Polish Ferronickel Slag. Sustainability, 2019, 11, 1863.	1.6	23
23	Column leaching of low-grade saprolitic laterites and valorization of leaching residues. Science of the Total Environment, 2019, 665, 347-357.	3.9	37
24	Sustainability assessment of <i>Pistacia vera</i> L. cultivation in Aegina, Greece: a two-stage multi-criteria analysis. Acta Horticulturae, 2019, , 163-172.	0.1	0
25	Grinding Kinetics of Slag and Effect of Final Particle Size on the Compressive Strength of Alkali Activated Materials. Minerals (Basel, Switzerland), 2019, 9, 714.	0.8	29
26	A new hybrid decision support tool for evaluating the sustainability of mining projects. International Journal of Mining Science and Technology, 2018, 28, 259-265.	4.6	17
27	Column Leaching of Greek Low-Grade Limonitic Laterites. Minerals (Basel, Switzerland), 2018, 8, 377.	0.8	15
28	Counter-Current Leaching of Low-Grade Laterites with Hydrochloric Acid and Proposed Purification Options of Pregnant Solution. Minerals (Basel, Switzerland), 2018, 8, 599.	0.8	14
29	Energy flow analysis in agriculture; the case of irrigated pistachio production in Greece. Sustainable Energy Technologies and Assessments, 2018, 28, 73-80.	1.7	10
30	Correlation between Material Properties and Breakage Rate Parameters Determined from Grinding Tests. Applied Sciences (Switzerland), 2018, 8, 220.	1.3	9
31	Evaluation of the relationship between energy input and particle size distribution in comminution with the use of piecewise regression analysis. Particulate Science and Technology, 2017, 35, 479-489.	1.1	15
32	Secondary Sulphate Minerals in a Cyprus-Type Ore Deposit, Apliki, Cyprus: Mineralogy and Its Implications Regarding the Chemistry of Pit Lake Waters. Mine Water and the Environment, 2017, 36, 226-238.	0.9	10
33	Comparative life cycle assessment of pistachio, almond and apple production. Information Processing in Agriculture, 2017, 4, 188-198.	2.9	25
34	Life cycle analysis of pistachio production in Greece. Science of the Total Environment, 2017, 595, 13-24.	3.9	40
35	Framework to improve sustainability of agriculture in small islands: The case of <i>Pistacia vera</i> L. cultivation in Aegina, Greece. Environmental Forensics, 2017, 18, 214-225.	1.3	5
36	Identification of Optimal Mill Operating Parameters during Grinding of Quartz with the Use of Population Balance Modeling. KONA Powder and Particle Journal, 2017, 34, 213-223.	0.9	36

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37	Adsorption of Scandium and Neodymium on Biochar Derived after Low-Temperature Pyrolysis of Sawdust. Minerals (Basel, Switzerland), 2017, 7, 200.	0.8	19
38	A Review of the Carbon Footprint of Cu and Zn Production from Primary and Secondary Sources. Minerals (Basel, Switzerland), 2017, 7, 168.	0.8	46
39	Olive mill waste: recent advances for the sustainable development of olive oil industry. , 2017, , 29-56.		26
40	Improved Modeling of the Grinding Process through the Combined Use of Matrix and Population Balance Models. Minerals (Basel, Switzerland), 2017, 7, 67.	0.8	16
41	Morphology of Modified Biochar and Its Potential for Phenol Removal from Aqueous Solutions. Frontiers in Environmental Science, 2016, 4, .	1.5	57
42	Assessment of groundwater vulnerability to pollution in Barrax, Albacete, Spain. Acta Horticulturae, 2016, , 221-226.	0.1	0
43	Valorization of Industrial Wastes for the Production of Glass-Ceramics. Waste and Biomass Valorization, 2016, 7, 885-898.	1.8	18
44	Potential of poor lignite and Biomass blends in energy production. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2016, 38, 2079-2085.	1.2	8
45	Valorization of construction and demolition (C&D) and industrial wastes through alkali activation. Construction and Building Materials, 2016, 121, 686-693.	3.2	98
46	Co-valorization of marine sediments and construction & demolition wastes through alkali activation. Journal of Environmental Chemical Engineering, 2016, 4, 4661-4669.	3.3	33
47	Geostatistical estimation of risk for soil and water in the vicinity of olive mill wastewater disposal sites. Desalination and Water Treatment, 2016, 57, 2982-2995.	1.0	16
48	Efficiency of pecan shells and sawdust biochar on Pb and Cu adsorption. Desalination and Water Treatment, 2016, 57, 3237-3246.	1.0	29
49	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
50	Experimental investigation of the utilization of quarry dust for the production of microcement-based building elements by self-flowing molding casting. Construction and Building Materials, 2016, 107, 247-254.	3.2	11
51	Framework for Sustainable Mining of Rare Earth Elements. , 2016, , 111-120.		3
52	Effect of zeolite application on potassium release in sandy soils amended with municipal compost. Desalination and Water Treatment, 2016, 57, 13273-13284.	1.0	15
53	Life cycle assessment of open field and greenhouse cultivation of lettuce and barley. Information Processing in Agriculture, 2015, 2, 191-207.	2.9	53
54	Using Various Guidelines and Approaches for the Assessment of Marine Sediment Quality. Environmental Forensics, 2015, 16, 109-116.	1.3	4

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55	Life cycle assessment of ferronickel production in Greece. Resources, Conservation and Recycling, 2015, 105, 113-122.	5.3	48
56	Assessment of biochar as feedstock in a direct carbon solid oxide fuel cell. RSC Advances, 2015, 5, 73399-73409.	1.7	40
57	Effect of synthesis parameters on the quality of construction and demolition wastes (CDW) geopolymers. Advanced Powder Technology, 2015, 26, 368-376.	2.0	211
58	Assessment of Pistachio Shell Biochar Quality and Its Potential for Adsorption of Heavy Metals. Waste and Biomass Valorization, 2015, 6, 805-816.	1.8	110
59	Microstructural characteristics and adsorption potential of a zeolitic tuffâ€“metakaolin geopolymer. Desalination and Water Treatment, 2015, 56, 338-345.	1.0	34
60	Assessment of groundwater contamination risk in an agricultural area in north Italy. Information Processing in Agriculture, 2015, 2, 109-129.	2.9	42
61	Assessment of Aquifer Vulnerability in an Agricultural Area in Spain Using the DRASTIC Model. Environmental Forensics, 2015, 16, 356-373.	1.3	15
62	Assessment of Human and Ecosystem Risk Due to Agricultural Waste Compost Application on Soils: A Review. Environmental Forensics, 2014, 15, 312-328.	1.3	9
63	Advantages of Applying a Steam Curing Cycle for the Production of Kaolinite-Based Geopolymers. Arabian Journal for Science and Engineering, 2014, 39, 7591-7597.	1.1	8
64	Arsenic removal in a sulfidogenic fixed-bed column bioreactor. Journal of Hazardous Materials, 2014, 269, 31-37.	6.5	61
65	Effect of sulphate and nitrate anions on heavy metal immobilisation in ferronickel slag geopolymers. Applied Clay Science, 2013, 73, 103-109.	2.6	106
66	Removal of heavy metals from leachates using organic/inorganic permeable reactive barriers. Desalination and Water Treatment, 2013, 51, 3052-3059.	1.0	13
67	Pre-treatment of olive mill wastewaters at laboratory and mill scale and subsequent use in agriculture: Legislative framework and proposed soil quality indicators. Resources, Conservation and Recycling, 2012, 69, 82-89.	5.3	36
68	Bioreduction of Cr(VI) from acidic wastewaters in a sulfidogenic ABR. Minerals Engineering, 2012, 32, 38-44.	1.8	46
69	Hexavalent chromium reduction in a sulfur reducing packed-bed bioreactor. Journal of Hazardous Materials, 2012, 219-220, 253-259.	6.5	47
70	Potential of geopolymer technology towards green buildings and sustainable cities. Procedia Engineering, 2011, 21, 1023-1032.	1.2	196
71	Origin of Recalcitrant Heavy Metals Present in Olive Mill Wastewater Evaporation Ponds and Nearby Agricultural Soils. Environmental Forensics, 2011, 12, 319-326.	1.3	13
72	Use of analytical techniques for identification of inorganic polymer gel composition. Journal of Materials Science, 2010, 45, 2715-2724.	1.7	124

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73	Mapping of soil nutrients in an abandoned Chinese coal mine and waste disposal site. <i>Minerals Engineering</i> , 2010, 23, 627-635.	1.8	27
74	Disposal of olive oil mill wastes in evaporation ponds: Effects on soil properties. <i>Journal of Hazardous Materials</i> , 2010, 182, 144-155.	6.5	125
75	Solid phase studies and geochemical modelling of low-cost permeable reactive barriers. <i>Journal of Hazardous Materials</i> , 2010, 183, 301-308.	6.5	74
76	Correlation Between Herbaceous Species and Environmental Variables at the Abandoned Haizhou Coal Mining Site. <i>Environmental Forensics</i> , 2010, 11, 146-153.	1.3	10
77	Assessment of reactivity of sulphidic tailings and river sludges. <i>Geochemistry: Exploration, Environment, Analysis</i> , 2009, 9, 313-318.	0.5	6
78	Utilisation of low-calcium slags to improve the strength and durability of geopolymers. , 2009, , 343-375.		12
79	Effect of synthesis parameters on the compressive strength of low-calcium ferronickel slag inorganic polymers. <i>Journal of Hazardous Materials</i> , 2009, 161, 760-768.	6.5	166
80	Geostatistical risk estimation at waste disposal sites in the presence of hot spots. <i>Journal of Hazardous Materials</i> , 2009, 164, 1185-1190.	6.5	27
81	Mapping optimization based on sampling size in earth related and environmental phenomena. <i>Stochastic Environmental Research and Risk Assessment</i> , 2008, 22, 83-93.	1.9	14
82	Dimensionality of heavy metal distribution in waste disposal sites using nonlinear dynamics. <i>Journal of Hazardous Materials</i> , 2008, 156, 285-291.	6.5	6
83	Environmental Characterization and Geochemistry of Kirki, Thrace, NE Greece, Abandoned Flotation Tailing Dumps. <i>Environmental Forensics</i> , 2007, 8, 351-359.	1.3	12
84	Long-term efficiency and kinetic evaluation of ZVI barriers during clean-up of copper containing solutions. <i>Minerals Engineering</i> , 2007, 20, 1200-1209.	1.8	54
85	Geopolymerisation: A review and prospects for the minerals industry. <i>Minerals Engineering</i> , 2007, 20, 1261-1277.	1.8	702
86	Geopolymerisation of low calcium ferronickel slags. <i>Journal of Materials Science</i> , 2007, 42, 3073-3082.	1.7	179
87	Optimum Sampling Density for the Prediction of Acid Mine Drainage in an Underground Sulphide Mine. <i>Mine Water and the Environment</i> , 2007, 26, 237-242.	0.9	12
88	Inorganic Contaminant Fate Assessment in Zero-Valent Iron Treatment Walls. <i>Environmental Forensics</i> , 2006, 7, 207-217.	1.3	26
89	Soil risk assessment of As and Zn contamination in a coal mining region using geostatistics. <i>Science of the Total Environment</i> , 2006, 371, 190-196.	3.9	65
90	Laboratory evaluation of FeO barriers to treat acidic leachates. <i>Minerals Engineering</i> , 2006, 19, 505-514.	1.8	73

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91	Modeling of Reaction Front Progress in Fly Ash Permeable Reactive Barriers. Environmental Forensics, 2006, 7, 219-231.	1.3	16
92	Feasibility of thermal treatment of high sulfur coal wastes. Minerals Engineering, 2004, 17, 175-182.	1.8	15
93	Efficiency of limestone and red mud barriers: laboratory column studies. Minerals Engineering, 2004, 17, 183-194.	1.8	141
94	Artificial Inoculationâ€™Perspectives in Tailings Phytostabilization. International Journal of Phytoremediation, 2004, 6, 1-15.	1.7	65
95	Carbonate-rich mining tailings in Lavrion: risk assessment and proposed rehabilitation schemes. Journal of Environmental Management, 2003, 7, 479-494.	1.7	41
96	Bioremediation of a soil contaminated with radioactive elements. Hydrometallurgy, 2001, 59, 311-318.	1.8	40
97	Use of organic covers for acid mine drainage control. Minerals Engineering, 2000, 13, 563-574.	1.8	119
98	Prediction of the life expectancy of organic covers. Minerals Engineering, 2000, 13, 1589-1601.	1.8	3
99	A Pilot-Scale Passive System for the Treatment of Acid Mine Drainage. , 2000, , 189-194.		0
100	Remediation of phosphogypsum stacks. Field pilot scale application. Process Metallurgy, 1999, , 645-654.	0.1	1
101	Application of a vegetative cover on phosphogypsum stacks. Minerals Engineering, 1999, 12, 175-185.	1.8	17
102	Treatment of waters polluted with radioactive elements and heavy metals by means of a laboratory passive system. Minerals Engineering, 1999, 12, 261-270.	1.8	44
103	Selection of remedial actions in tailings disposal sites based on risk assessment studies. Two case studies. Process Metallurgy, 1999, , 655-664.	0.1	2
104	Bioremediation of a soil contaminated with radioactive elements. Process Metallurgy, 1999, 9, 627-634.	0.1	1
105	Risk assessment and proposed remedial actions in coastal tailings disposal sites in Romania. Minerals Engineering, 1998, 11, 1179-1190.	1.8	50
106	Environmental characterisation of the sulphidic tailings in Lavrion. Minerals Engineering, 1995, 8, 1209-1219.	1.8	54
107	Oxidation of pyrite and arsenopyrite in sulphidic spoils in Lavrion. Minerals Engineering, 1995, 8, 1443-1454.	1.8	48
108	Optimization of the bacterial oxidation of an arsenical gold sulphide concentrate from Olympias, Greece. Minerals Engineering, 1991, 4, 1297-1303.	1.8	31

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109	Bacterial oxidation of an arsenical gold sulphide concentrate from Olympias, Greece. Minerals Engineering, 1990, 3, 295-306.	1.8	38
110	Mineralogical characteristics and treatment of refractory gold ores. Minerals Engineering, 1989, 2, 449-457.	1.8	47
111	Modeling of Bauxite Ore Wet Milling for the Improvement of Process and Energy Efficiency. Circular Economy and Sustainability, 0, , 1.	3.3	1
112	Evaluation of groundwater vulnerability in a Greek island using GIS-based models. , 0, 67, 61-73.		5