

Vassilis Inglezakis

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2488163/publications.pdf>

Version: 2024-02-01

153
papers

5,328
citations

81839

39
h-index

98753

67
g-index

158
all docs

158
docs citations

158
times ranked

5570
citing authors

#	ARTICLE	IF	CITATIONS
1	Removal of Cu(II) in fixed bed and batch reactors using natural zeolite and exfoliated vermiculite as adsorbents. <i>Desalination</i> , 2007, 215, 133-142.	4.0	329
2	Ion exchange of Pb ²⁺ , Cu ²⁺ , Fe ³⁺ , and Cr ³⁺ on natural clinoptilolite: selectivity determination and influence of acidity on metal uptake. <i>Journal of Colloid and Interface Science</i> , 2003, 261, 49-54.	5.0	271
3	Equilibrium and kinetic ion exchange studies of Pb ²⁺ , Cr ³⁺ , Fe ³⁺ and Cu ²⁺ on natural clinoptilolite. <i>Water Research</i> , 2002, 36, 2784-2792.	5.3	268
4	Removal of phosphate from aqueous solutions by adsorption onto Ca(OH) ₂ treated natural clinoptilolite. <i>Chemical Engineering Journal</i> , 2017, 320, 510-522.	6.6	196
5	The concept of "capacity" in zeolite ion-exchange systems. <i>Journal of Colloid and Interface Science</i> , 2005, 281, 68-79.	5.0	173
6	Heat of adsorption, adsorption energy and activation energy in adsorption and ion exchange systems. <i>Desalination and Water Treatment</i> , 2012, 39, 149-157.	1.0	170
7	Removal of Pb(II) from aqueous solutions by using clinoptilolite and bentonite as adsorbents. <i>Desalination</i> , 2007, 210, 248-256.	4.0	153
8	Sustainable production of pure silica from rice husk waste in Kazakhstan. <i>Journal of Cleaner Production</i> , 2019, 217, 352-359.	4.6	144
9	Ion exchange studies on natural and modified zeolites and the concept of exchange site accessibility. <i>Journal of Colloid and Interface Science</i> , 2004, 275, 570-576.	5.0	127
10	Insights into the S-shaped sorption isotherms and their dimensionless forms. <i>Microporous and Mesoporous Materials</i> , 2018, 272, 166-176.	2.2	101
11	Effect of acid treatment on the removal of heavy metals from sewage sludge. <i>Desalination</i> , 2007, 215, 73-81.	4.0	99
12	Investigation of rice husk derived activated carbon for removal of nitrate contamination from water. <i>Science of the Total Environment</i> , 2018, 630, 1237-1245.	3.9	88
13	Measuring the level of environmental performance in insular areas, through key performed indicators, in the framework of waste strategy development. <i>Science of the Total Environment</i> , 2021, 753, 141974.	3.9	86
14	Household hazardous waste management: A review. <i>Journal of Environmental Management</i> , 2015, 150, 310-321.	3.8	83
15	Variable diffusivity homogeneous surface diffusion model and analysis of merits and fallacies of simplified adsorption kinetics equations. <i>Journal of Hazardous Materials</i> , 2019, 367, 224-245.	6.5	82
16	Effects of operating conditions on the removal of heavy metals by zeolite in fixed bed reactors. <i>Journal of Hazardous Materials</i> , 2004, 112, 37-43.	6.5	81
17	Adsorption, Ion Exchange, and Catalysis. , 2006, , 31-56.		77
18	Use of natural clinoptilolite for the removal of lead, copper and zinc in fixed bed column. <i>Journal of Hazardous Materials</i> , 2007, 143, 575-581.	6.5	76

#	ARTICLE	IF	CITATIONS
19	Solubility-normalized Dubinin–Astakhov adsorption isotherm for ion-exchange systems. <i>Microporous and Mesoporous Materials</i> , 2007, 103, 72-81.	2.2	75
20	Automotive industry challenges in meeting EU 2015 environmental standard. <i>Technology in Society</i> , 2012, 34, 55-83.	4.8	75
21	Modeling of ion exchange of Pb ²⁺ in fixed beds of clinoptilolite. <i>Microporous and Mesoporous Materials</i> , 2003, 61, 273-282.	2.2	71
22	Synthetic coal fly ash-derived zeolites doped with silver nanoparticles for mercury (II) removal from water. <i>Journal of Environmental Management</i> , 2018, 224, 164-171.	3.8	70
23	Photocatalytic treatment of organic pollutants in a synthetic wastewater using UV light and combinations of TiO ₂ , H ₂ O ₂ and Fe(III). <i>PLoS ONE</i> , 2019, 14, e0216745.	1.1	70
24	A review of cryogels synthesis, characterization and applications on the removal of heavy metals from aqueous solutions. <i>Advances in Colloid and Interface Science</i> , 2020, 276, 102088.	7.0	67
25	The effect of competitive cations and anions on ion exchange of heavy metals. <i>Separation and Purification Technology</i> , 2005, 46, 202-207.	3.9	66
26	Heavy metals fractionation before, during and after composting of sewage sludge with natural zeolite. <i>Waste Management</i> , 2008, 28, 2054-2060.	3.7	66
27	Essentials of Endorheic Basins and Lakes: A Review in the Context of Current and Future Water Resource Management and Mitigation Activities in Central Asia. <i>Water (Switzerland)</i> , 2017, 9, 798.	1.2	66
28	Application of Nanoparticles and Nanomaterials in Thermal Ablation Therapy of Cancer. <i>Nanomaterials</i> , 2019, 9, 1195.	1.9	64
29	Mobility and plant-availability of Cd(II) and Pb(II) adsorbed on zeolite and bentonite. <i>Applied Clay Science</i> , 2010, 48, 342-348.	2.6	63
30	Application of zeolites in organic waste composting: A review. <i>Biocatalysis and Agricultural Biotechnology</i> , 2019, 22, 101396.	1.5	63
31	Pretreatment of natural clinoptilolite in a laboratory-scale ion exchange packed bed. <i>Water Research</i> , 2001, 35, 2161-2166.	5.3	60
32	Hydrothermal synthesis of zeolite production from coal fly ash: A heuristic approach and its optimization for system identification of conversion. <i>Journal of Cleaner Production</i> , 2018, 182, 616-623.	4.6	60
33	Applicability of Simplified Models for the Estimation of Ion Exchange Diffusion Coefficients in Zeolites. <i>Journal of Colloid and Interface Science</i> , 2001, 234, 434-441.	5.0	57
34	Particle Size Effects on Uptake of Heavy Metals from Sewage Sludge Compost Using Natural Zeolite Clinoptilolite. <i>Journal of Colloid and Interface Science</i> , 2002, 250, 1-4.	5.0	54
35	Ion exchange and adsorption equilibrium studies on clinoptilolite, bentonite and vermiculite. <i>Journal of Physics and Chemistry of Solids</i> , 2010, 71, 279-284.	1.9	53
36	Removal of iodide from water using silver nanoparticles-impregnated synthetic zeolites. <i>Science of the Total Environment</i> , 2019, 682, 259-270.	3.9	48

#	ARTICLE	IF	CITATIONS
37	Effect of Pore Clogging on Kinetics of Lead Uptake by Clinoptilolite. <i>Journal of Colloid and Interface Science</i> , 1999, 215, 54-57.	5.0	47
38	Simultaneous removal of metals Cu ²⁺ , Fe ³⁺ and Cr ³⁺ with anions SO ₄ ²⁻ and HPO ₄ ²⁻ using clinoptilolite. <i>Microporous and Mesoporous Materials</i> , 2003, 61, 167-171.	2.2	45
39	Liquid-Solid Mass Transfer in Adsorption Systems—An Overlooked Resistance?. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 22007-22016.	1.8	44
40	Silica aerogels; a review of synthesis, applications and fabrication of hybrid composites. <i>Journal of Porous Materials</i> , 2021, 28, 1387-1400.	1.3	44
41	Effects of Pretreatment on Physical and Ion Exchange Properties of Natural Clinoptilolite. <i>Environmental Technology (United Kingdom)</i> , 2001, 22, 75-82.	1.2	42
42	Efficient removal of mercury (II) from water by use of cryogels and comparison to commercial adsorbents under environmentally relevant conditions. <i>Journal of Hazardous Materials</i> , 2020, 399, 123056.	6.5	42
43	Two-phase homogeneous diffusion model for the fixed bed sorption of heavy metals on natural zeolites. <i>Microporous and Mesoporous Materials</i> , 2018, 266, 164-176.	2.2	39
44	Sustainable metropolitan areas perspectives through assessment of the existing waste management strategies. <i>Environmental Science and Pollution Research</i> , 2021, 28, 24305-24320.	2.7	38
45	Improvement of the quality of sewage sludge compost by adding natural clinoptilolite. <i>Desalination</i> , 2008, 224, 240-249.	4.0	34
46	Mercury reduction and chemisorption on the surface of synthetic zeolite silver nanocomposites: Equilibrium studies and mechanisms. <i>Journal of Molecular Liquids</i> , 2020, 305, 112825.	2.3	34
47	Ion exchange of some heavy metal ions from polar organicsolvents into zeolite. <i>Desalination</i> , 2007, 211, 238-248.	4.0	33
48	Characterization of solid char produced from pyrolysis of the organic fraction of municipal solid waste, high volatile coal and their blends. <i>Energy</i> , 2020, 191, 116562.	4.5	31
49	Investigating the inhibitory effect of cyanide, phenol and 4-nitrophenol on the activated sludge process employed for the treatment of petroleum wastewater. <i>Journal of Environmental Management</i> , 2017, 203, 825-830.	3.8	29
50	The Effect of Scale on the Performance of an Integrated Poultry Slaughterhouse Wastewater Treatment Process. <i>Sustainability</i> , 2020, 12, 4679.	1.6	28
51	Liquid holdup and flow dispersion in zeolite packed beds. <i>Chemical Engineering Science</i> , 2001, 56, 5049-5057.	1.9	27
52	Removal of iron and manganese from underground water by use of natural minerals in batch mode treatment. <i>Desalination and Water Treatment</i> , 2010, 18, 341-346.	1.0	27
53	Seasonal characterisation of municipal solid waste from Astana city, Kazakhstan: Composition and thermal properties of combustible fraction. <i>Waste Management and Research</i> , 2019, 37, 1271-1281.	2.2	27
54	Olive mill waste: recent advances for the sustainable development of olive oil industry. , 2017, , 29-56.		26

#	ARTICLE	IF	CITATIONS
55	Survey on Household Solid Waste Sorting at Source in Developing Economies: A Case Study of Nur-Sultan City in Kazakhstan. <i>Sustainability</i> , 2019, 11, 6496.	1.6	26
56	Evaluation of Electrochemical Methods for Poultry Slaughterhouse Wastewater Treatment. <i>Sustainability</i> , 2020, 12, 5110.	1.6	26
57	Experimental studies and modeling of clinoptilolite and vermiculite fixed beds for Mn ²⁺ , Zn ²⁺ , and Cr ³⁺ removal. <i>Desalination and Water Treatment</i> , 2016, 57, 11610-11622.	1.0	25
58	Detailed municipal solid waste composition analysis for Nur-Sultan City, Kazakhstan with implications for sustainable waste management in Central Asia. <i>Environmental Science and Pollution Research</i> , 2021, 28, 24406-24418.	2.7	25
59	Distributed 2D temperature sensing during nanoparticles assisted laser ablation by means of high-scattering fiber sensors. <i>Scientific Reports</i> , 2020, 10, 12593.	1.6	24
60	Comparative environmental assessment of alternative waste management strategies in developing regions: A case study in Kazakhstan. <i>Waste Management and Research</i> , 2018, 36, 689-697.	2.2	22
61	Real-Time Temperature Monitoring in Liver During Magnetite Nanoparticle-Enhanced Microwave Ablation With Fiber Bragg Grating Sensors: <i>Ex Vivo</i> Analysis. <i>IEEE Sensors Journal</i> , 2018, 18, 8005-8011.	2.4	22
62	Removal of Cd ²⁺ from Water by Use of Super-Macroporous Cryogels and Comparison to Commercial Adsorbents. <i>Polymers</i> , 2020, 12, 2405.	2.0	22
63	Characterization of tar generated from the mixture of municipal solid waste and coal pyrolysis at 800°C. <i>Energy Reports</i> , 2020, 6, 147-152.	2.5	22
64	Degradation and mineralization of 4-tert-butylphenol in water using Fe-doped TiO ₂ catalysts. <i>Scientific Reports</i> , 2019, 9, 19284.	1.6	21
65	Surface Interactions and Mechanisms Study on the Removal of Iodide from Water by Use of Natural Zeolite-Based Silver Nanocomposites. <i>Nanomaterials</i> , 2020, 10, 1156.	1.9	21
66	Current municipal solid waste management in the cities of Astana and Almaty of Kazakhstan and evaluation of alternative management scenarios. <i>Clean Technologies and Environmental Policy</i> , 2018, 20, 503-516.	2.1	20
67	Anaerobic Membrane Bioreactors for Municipal Wastewater Treatment: A Literature Review. <i>Membranes</i> , 2021, 11, 967.	1.4	20
68	Comparison of Mn, Zn, and Cr removal in fluidized- and fixed-bed reactors by using clinoptilolite. <i>Desalination and Water Treatment</i> , 2015, 53, 3355-3362.	1.0	19
69	Cryogel-based Ag ⁰ /Ag ₂ O nanocomposites for iodide removal from water. <i>Journal of Molecular Liquids</i> , 2020, 299, 112134.	2.3	18
70	Complex organic fouling and effect of silver nanoparticles on aquaporin forward osmosis membranes. <i>Journal of Water Process Engineering</i> , 2020, 34, 101177.	2.6	18
71	Comparison between landfill gas and waste incineration for power generation in Astana, Kazakhstan. <i>Waste Management and Research</i> , 2015, 33, 486-494.	2.2	17
72	Sorption mechanism(s) of orthophosphate onto Ca(OH) ₂ pretreated bentonite. <i>RSC Advances</i> , 2016, 6, 22295-22305.	1.7	17

#	ARTICLE	IF	CITATIONS
73	The effect of caffeine, metronidazole, and ibuprofen on continuous flow activated sludge process. <i>Journal of Chemical Technology and Biotechnology</i> , 2021, 96, 1370-1380.	1.6	17
74	Magnetic Fe ₃ O ₄ -Ag ₀ Nanocomposites for Effective Mercury Removal from Water. <i>Sustainability</i> , 2020, 12, 5489.	1.6	16
75	Treatment of municipal solid waste landfill leachate by use of combined biological, physical and photochemical processes. , 0, 112, 218-231.		16
76	Synthetic sodalite doped with silver nanoparticles: Characterization and mercury (II) removal from aqueous solutions. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2019, 54, 951-959.	0.9	15
77	Composted municipal waste effect on chosen properties of calcareous soil. <i>International Agrophysics</i> , 2012, 26, 365-374.	0.7	14
78	Mercury (Hg) Contaminated Sites in Kazakhstan: Review of Current Cases and Site Remediation Responses. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 8936.	1.2	14
79	Effective photochemical treatment of a municipal solid waste landfill leachate. <i>PLoS ONE</i> , 2020, 15, e0239433.	1.1	14
80	<i>Aquatic Environment</i> . , 2016, , 137-212.		13
81	Optimized Production of Coal Fly Ash Derived Synthetic Zeolites for Mercury Removal from Wastewater. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 230, 012044.	0.3	13
82	Mineralogical, Microstructural and Thermal Characterization of Coal Fly Ash Produced from Kazakhstani Power Plants. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 230, 012046.	0.3	13
83	Ca(OH) ₂ Pre-treated Bentonite for Phosphorus Removal and Recovery From Synthetic and Real Wastewater. <i>Clean - Soil, Air, Water</i> , 2018, 46, 1700378.	0.7	13
84	Air pollution in Astana: analysis of recent trends and air quality monitoring system. <i>Materials Today: Proceedings</i> , 2018, 5, 22749-22758.	0.9	13
85	In situ production of high purity noble metal nanoparticles on fumed silica and catalytic activity towards 2-nitrophenol reduction. <i>Journal of Physics and Chemistry of Solids</i> , 2019, 127, 28-34.	1.9	13
86	Catalytic Oxidation of Methylene Blue by Use of Natural Zeolite-Based Silver and Magnetite Nanocomposites. <i>Processes</i> , 2020, 8, 471.	1.3	13
87	Heat of adsorption, adsorption energy and activation energy in adsorption and ion exchange systems. , 0, 39, 149-157.		13
88	Intergraded Applied Methodology for the Treatment of Heavy Polluted Waste Waters from Olive Oil Industries. <i>Applied and Environmental Soil Science</i> , 2011, 2011, 1-14.	0.8	12
89	Synthesis of biosourced silica-Ag nanocomposites and amalgamation reaction with mercury in aqueous solutions. <i>Comptes Rendus Chimie</i> , 2020, 23, 77-92.	0.2	12
90	Treatment of underground water in open flow and closed-loop fixed bed systems by utilizing the natural minerals clinoptilolite and vermiculite. <i>Desalination and Water Treatment</i> , 2012, 39, 215-227.	1.0	11

#	ARTICLE	IF	CITATIONS
91	Adsorption fixed beds modeling revisited: Generalized solutions for S-shaped isotherms. Chemical Engineering Communications, 2017, 204, 1299-1317.	1.5	11
92	THE EVOLUTION OF ECO-LABELED PRODUCTS IN ROMANIA. Environmental Engineering and Management Journal, 2014, 13, 1665-1671.	0.2	11
93	A comparative study on phyllosilicate and tectosilicate mineral structural properties. , 2018, 112, 119-146.		11
94	Fiber Bragg grating based temperature profiling in ferromagnetic nanoparticles-enhanced radiofrequency ablation. Optical Fiber Technology, 2018, 43, 145-152.	1.4	10
95	Municipal solid waste management and greenhouse gas emissions at international airports: A case study of Astana International Airport. Journal of Air Transport Management, 2020, 85, 101789.	2.4	10
96	Photocatalytic Treatment of a Synthetic Wastewater. IOP Conference Series: Materials Science and Engineering, 2018, 301, 012143.	0.3	9
97	WASTE MANAGEMENT IN ROMANIA: CURRENT DATA AND APPLICATION OF A DECISION SUPPORT TOOL. Environmental Engineering and Management Journal, 2016, 15, 511-519.	0.2	9
98	Functionalization of biosourced silica and surface reactions with mercury in aqueous solutions. Chemical Engineering Journal, 2021, 423, 129745.	6.6	8
99	Distributed Sensing Network Enabled by High-Scattering MgO-Doped Optical Fibers for 3D Temperature Monitoring of Thermal Ablation in Liver Phantom. Sensors, 2021, 21, 828.	2.1	8
100	Solid waste from the hospitality industry in Cyprus. WIT Transactions on Ecology and the Environment, 2012, , .	0.0	8
101	OPTIMIZATION OF HEAVY POLLUTED SOIL FROM OLIVE MILL WASTE THROUGH THE IMPLEMENTATION OF ZEOLITES. Environmental Engineering and Management Journal, 2019, 18, 1297-1309.	0.2	8
102	Quarries environmental footprint in the framework of sustainable development: the case study of Milos Island. , 0, 133, 307-314.		8
103	Green-Synthesized Silver Nanoparticle-Assisted Radiofrequency Ablation for Improved Thermal Treatment Distribution. Nanomaterials, 2022, 12, 426.	1.9	8
104	Experimental and Modeling Studies of Sr ²⁺ and Cs ⁺ Sorption on Cryogels and Comparison to Commercial Adsorbents. Industrial & Engineering Chemistry Research, 2022, 61, 8204-8219.	1.8	8
105	Top soil physical and chemical properties in Kazakhstan across a north-south gradient. Scientific Data, 2018, 5, 180242.	2.4	7
106	Experimental study of zeolitic diffusion by use of a concentration-dependent surface diffusion model. Heliyon, 2019, 5, e02143.	1.4	7
107	Tangential streaming potential, transmembrane flux, and chemical cleaning of ultrafiltration membranes. Separation and Purification Technology, 2021, 258, 118045.	3.9	7
108	Photochemical Degradation of Organic Pollutants in Wastewaters. IOP Conference Series: Materials Science and Engineering, 2018, 301, 012099.	0.3	6

#	ARTICLE	IF	CITATIONS
109	Novel Amphoteric Cryogels for Cd ²⁺ Ions Removal from Aqueous Solutions. Key Engineering Materials, 2018, 775, 376-382.	0.4	6
110	Distribution of potentially toxic soil elements along a transect across Kazakhstan. Geoderma Regional, 2020, 21, e00281.	0.9	6
111	Environmental Partitioning, Spatial Distribution, and Transport of Atmospheric Mercury (Hg) Originating from a Site of Former Chlor-Alkali Plant. Atmosphere, 2021, 12, 275.	1.0	6
112	Characterisation of Activated Carbons Obtained from Rice Husk. Eurasian Chemico-Technological Journal, 2017, 18, 299.	0.3	6
113	Sustainable Treatment Method of a High Concentrated NH ₃ Wastewater by Using Natural Zeolite in Closed-Loop Fixed Bed Systems. Open Environmental Sciences, 2010, 4, 1-7.	0.8	6
114	The effect of initial pH and retention time on boron removal by continuous electrocoagulation process. , 0, 112, 99-105.		6
115	Extraterrestrial Environment. , 2016, , 453-498.		5
116	Investigation of Thermal Effects of Radiofrequency Ablation Mediated with Iron Oxide Nanoparticles Dispersed in Agarose and Chitosan Solvents. Applied Sciences (Switzerland), 2021, 11, 2437.	1.3	5
117	Modified Zeolites: Pretreatment of Natural Zeolites by Use of Inorganic Salts. , 2012, , 156-165.		5
118	Effects of 2-chlorophenol and 2,4,6-trichlorophenol on an activated sludge sequencing batch reactor. , 0, 133, 283-291.		5
119	Assessment of Distribution of Potentially Toxic Elements in Different Environmental Media Impacted by a Former Chlor-Alkali Plant. Sustainability, 2021, 13, 13829.	1.6	5
120	Industrial hazardous waste in the framework of EU and international legislation. Management of Environmental Quality, 2011, 22, 566-580.	2.2	4
121	Fundamentals of Ion Exchange Fixed-Bed Operations. , 2012, , 121-161.		4
122	Lithographically defined synthesis of transition metal dichalcogenides. 2D Materials, 2019, 6, 045055.	2.0	4
123	Manufacturing of Ultra-Fine Particle Coal Fly Ash [®] A380 Aluminum Matrix Composites with Improved Mechanical Properties by Improved Ring Milling and Oscillating Microgrid Mixing. Journal of Materials Engineering and Performance, 2019, 28, 2630-2640.	1.2	4
124	A Fractal-Based Correlation for Time-Dependent Surface Diffusivity in Porous Adsorbents. Processes, 2020, 8, 689.	1.3	4
125	Development and validation of a novel process model for fluidized bed combustion: Application for efficient combustion of low [®] grade coal. Canadian Journal of Chemical Engineering, 2021, 99, 1510-1519.	0.9	4
126	Assessment of municipal solid waste management practices in Karachi City, Pakistan. International Journal of Environment and Waste Management, 2019, 24, 131.	0.2	4

#	ARTICLE	IF	CITATIONS
127	Natural Zeolites Structure and Porosity. , 2012, , 133-146.		4
128	MATHEMATICAL MODELING OF SORPTION PROCESS OF Cu ²⁺ IONS ON ANALCIME AND CLINOPTILOLITE. Environmental Engineering and Management Journal, 2012, 11, 2059-2063.	0.2	4
129	Inhibitory effects of polar and non-polar organic substances on activated sludge activity. , 0, 91, 185-191.		4
130	Micropollutants Identification Affecting the Nearby Environment from Highway Runoff: The Case Study of Cyprus Highway. Journal of Chemistry, 2015, 2015, 1-12.	0.9	3
131	Equilibrium ion exchange studies of Zn ²⁺ , Cr ³⁺ , and Mn ²⁺ on natural bentonite. Desalination and Water Treatment, 0, , 1-11.	1.0	3
132	Efficient oscillating micro-grid mixing of CFA-aluminium composite melts. Journal of Materials Processing Technology, 2018, 254, 60-71.	3.1	3
133	Iodide Removal by Use of Ag-Modified Natural Zeolites. IOP Conference Series: Earth and Environmental Science, 2018, 182, 012014.	0.2	3
134	Temperature Profiling of ex-vivo Organs during Ferromagnetic Nanoparticles-Enhanced Radiofrequency Ablation by Fiber Bragg Grating Arrays. , 2018, 2018, 1-4.		3
135	Silver Nanoparticles Impregnated Zeolites Derived from Coal Fly Ash: Effect of the Silver Loading on Adsorption of Mercury (II). Proceedings (mdpi), 2018, 2, 647.	0.2	3
136	Behaviour of Aquaporin Forward Osmosis Flat Sheet Membranes during the Concentration of Calcium-Containing Liquids. Membranes, 2020, 10, 108.	1.4	3
137	Hydrodynamic Studies on Zeolite Fluidized Beds. International Journal of Chemical Reactor Engineering, 2010, 8, .	0.6	2
138	Urban Environment. , 2016, , 287-362.		2
139	Silver Nanoparticles Synthesised within the Silica Matrix in Hyperstoichiometrical of Mercury from Aqueous Solutions. IOP Conference Series: Earth and Environmental Science, 0, 182, 012013.	0.2	2
140	Synthetic Amphoteric Cryogels as an Antidote against Acute Heavy Metal Poisoning. Molecules, 2021, 26, 7601.	1.7	2
141	Assessment of total mercury content in water of the Balkyldak Lake-reservoir, Pavlodar, Kazakhstan. IOP Conference Series: Earth and Environmental Science, 2018, 167, 012006.	0.2	1
142	Automotive shredder residue (ASR): a rapidly increasing waste stream waiting for a sustainable response. , 2009, , .		1
143	Treatment of underground water in open flow and closed-loop fixed bed systems by utilizing the natural minerals clinoptilolite and vermiculite. , 0, 39, 215-227.		1
144	Natural Zeolite Markets and Strategic Considerations. , 2012, , 11-27.		1

#	ARTICLE	IF	CITATIONS
145	Studies on the pretreatment of zeolite clinoptilolite in packed beds. Environmental Technology (United Kingdom), 2004, 25, 133-139.	1.2	0
146	Non-Ideal Flow in Liquid-Solid Fixed Beds of Irregular-Shaped Particles: A Critical Review. International Journal of Chemical Reactor Engineering, 2010, 8, .	0.6	0
147	Fiber Bragg Grating Sensors for Temperature Monitoring during Nanoparticle-assisted Microwave Ablation. , 2018, , .		0
148	Nanoparticles as a Powerful Tool for Membrane Pore Size Determination and Mercury Removal. , 2019, , 63-86.		0
149	Gold nanoparticles-mediated laser ablation therapy monitored with optical fibers sensing network in real time. , 2021, , .		0
150	Impact of Green Products on Romaian Consumers. Annals of DAAAM & Proceedings, 2012, , 0997-1000.	0.1	0
151	Natural Zeolites in Space Applications and Occurrence in Extraterrestrial Environments. , 2012, , 399-409.		0
152	Modeling of the Low Grade Coal Combustion in a Fluidized Bed Reactor Using Aspen Plus. DEStech Transactions on Environment Energy and Earth Science, 2019, , .	0.0	0
153	DiMIZA : A dispersion modeling based impact zone assessment of mercury (Hg) emissions from coal-fired power plants and risk evaluation for inhalation exposure. Engineering Reports, 2021, 3, e12357.	0.9	0