Graeme J Millar

List of Publications by Year
in descending order

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154 papers	6,706 citations	87723 38 h-index	71532 76 g-index
155 all docs	155 docs citations	155 times ranked	6987 citing authors

#	Article	IF	Citations
1	Carbon Dioxide Reforming of Methane To Produce Synthesis Gas over Metal-Supported Catalysts:â€‰ State of the Art. Energy & Fuels, 1996, 10, 896-904.	2.5	688
2	Comprehensive Study of Surface Chemistry of MCM-41 Using29Si CP/MAS NMR, FTIR, Pyridine-TPD, and TGA. Journal of Physical Chemistry B, 1997, 101, 6525-6531.	1.2	679
3	Advances in Mesoporous Molecular Sieve MCM-41. Industrial & Engineering Chemistry Research, 1996, 35, 2075-2090.	1.8	538
4	Clay-supported nanoscale zero-valent iron composite materials for the remediation of contaminated aqueous solutions: A review. Chemical Engineering Journal, 2017, 312, 336-350.	6.6	267
5	Anti-fouling graphene-based membranes for effective water desalination. Nature Communications, 2018, 9, 683.	5.8	197
6	A critical review of waste resources, synthesis, and applications for Zeolite LTA. Microporous and Mesoporous Materials, 2020, 291, 109667.	2.2	146
7	Hollow fibre membrane contactors for ammonia recovery: Current status and future developments. Journal of Environmental Chemical Engineering, 2017, 5, 1349-1359.	3.3	139
8	Influence of synthesis route on the catalytic properties of La1â^'xSrxMnO3. Solid State Ionics, 2000, 131, 211-220.	1.3	134
9	Comprehensive examination of acid leaching behaviour of mineral phases from red mud: Recovery of Fe, Al, Ti, and Si. Minerals Engineering, 2016, 99, 8-18.	1.8	108
10	Phosphogypsum stabilization of bauxite residue: Conversion of its alkaline characteristics. Journal of Environmental Sciences, 2019, 77, 1-10.	3.2	106
11	Effective Diffusivity and Evaporative Cooling in Convective Drying of Food Material. Drying Technology, 2015, 33, 227-237.	1.7	98
12	Mathematical model for intermittent microwave convective drying of food materials. Drying Technology, 2016, 34, 962-973.	1.7	94
13	Characterization of precursors to methanol synthesis catalysts Cu/ZnO system. Journal of the Chemical Society, Faraday Transactions, 1998, 94, 593-600.	1.7	91
14	Effect of strong acids on red mud structural and fluoride adsorption properties. Journal of Colloid and Interface Science, 2014, 423, 158-165.	5.0	82
15	Alternative neutralisation materials for acid mine drainage treatment. Journal of Water Process Engineering, 2018, 22, 46-58.	2.6	79
16	Infrared study of methyl formate and formaldehyde adsorption on reduced and oxidised silica-supported copper catalysts. Journal of the Chemical Society, Faraday Transactions, 1991, 87, 2785.	1.7	75
17	An in situ high pressure FT-IR study of CO2/H2 interactions with model ZnO/SiO2, Cu/SiO2 and Cu/ZnO/SiO2 methanol synthesis catalysts. Catalysis Letters, 1992, 14, 289-295.	1.4	75
18	Strategies for the management and treatment of coal seam gas associated water. Renewable and Sustainable Energy Reviews, 2016, 57, 669-691.	8.2	74

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19	Industrial Production of Formaldehyde Using Polycrystalline Silver Catalyst. Industrial & Engineering Chemistry Research, 2017, 56, 9247-9265.	1.8	73
20	Infrared study of the adsorption of methanol on oxidised and reduced Cu/SiO2 catalysts. Journal of the Chemical Society, Faraday Transactions, 1991, 87, 2795.	1.7	71
21	Infrared study of CO adsorption on reduced and oxidised silica-supported copper catalysts. Journal of the Chemical Society, Faraday Transactions, 1991, 87, 1467.	1.7	69
22	Re-use of waste red mud: Production of a functional iron oxide adsorbent for removal of phosphorous. Journal of Water Process Engineering, 2018, 25, 138-148.	2.6	68
23	Synthesis and characterization of highly ordered MCM-41 in an alkali-free system and its catalytic activity. Catalysis Letters, 1996, 38, 33-37.	1.4	66
24	Infrared study of the adsorption of formic acid on silica-supported copper and oxidised copper catalysts. Journal of the Chemical Society, Faraday Transactions, 1991, 87, 1491.	1.7	64
25	An FTIR Study of the Adsorption of Formic Acid and Formaldehyde on Potassium-Promoted Cu/SiO2 Catalysts. Journal of Catalysis, 1995, 155, 52-58.	3.1	60
26	Equilibrium studies of ammonium exchange with Australian natural zeolites. Journal of Water Process Engineering, 2016, 9, 47-57.	2.6	59
27	In situ Raman studies of the selective oxidation of methanol to formaldehyde and ethene to ethylene oxide on a polycrystalline silver catalyst. Journal of the Chemical Society, Faraday Transactions, 1995, 91, 4149.	1.7	56
28	Activated alumina for the removal of fluoride ions from high alkalinity groundwater: New insights from equilibrium and column studies with multicomponent solutions. Separation and Purification Technology, 2017, 187, 14-24.	3.9	53
29	Evaluation of electrocoagulation for the pre-treatment of coal seam water. Journal of Water Process Engineering, 2014, 4, 166-178.	2.6	51
30	Integration and optimization of pressure retarded osmosis with reverse osmosis for power generation and high efficiency desalination. Energy, 2016, 103, 110-118.	4.5	51
31	Evidence for the adsorption of molecules at special sites located at copper/zinc oxide interfaces: part 1.â€"A Fourier-transform infrared study of formic acid and formaldehyde adsorption on reduced and oxidised Cu/ZnO/SiO2catalysts. Journal of the Chemical Society, Faraday Transactions, 1992, 88, 1033-1039.	1.7	50
32	Ion exchange treatment of saline solutions using Lanxess S108H strong acid cation resin. Chemical Engineering Journal, 2015, 280, 525-535.	6.6	48
33	A porous media transport model for apple drying. Biosystems Engineering, 2018, 176, 12-25.	1.9	45
34	A combined infrared, temperature programmed desorption and temperature programmed reaction spectroscopy study of CO2and H2interactions on reduced and oxidized silica-supported copper catalysts. Molecular Physics, 1992, 76, 833-849.	0.8	44
35	In SituImaging of Catalytic Etching on Silver during Methanol Oxidation Conditions by Environmental Scanning Electron Microscopy. Journal of Catalysis, 1997, 169, 143-156.	3.1	43
36	An examination of isotherm generation: Impact of bottle-point method upon potassium ion exchange with strong acid cation resin. Separation and Purification Technology, 2015, 141, 366-377.	3.9	42

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37	Temperature Redistribution Modelling During Intermittent Microwave Convective Heating. Procedia Engineering, 2014, 90, 544-549.	1.2	40
38	Degradation of 2,4-dichlorophenol using palygorskite-supported bimetallic Fe/Ni nanocomposite as a heterogeneous catalyst. Applied Clay Science, 2019, 168, 276-286.	2.6	40
39	Infrared study of the adsorption of NO, NO2 and CO on Rh/Al2O3 catalysts. Journal of the Chemical Society, Faraday Transactions, 1990, 86, 571.	1.7	38
40	Spectroscopic evidence for adsorption sites located at Cu/ZnO interfaces. Catalysis Letters, 1995, 31, 333-340.	1.4	37
41	Dioxins in diesel exhaust. Nature, 1996, 381, 379-379.	13.7	37
42	Behaviour of natural zeolites used for the treatment of simulated and actual coal seam gas water. Journal of Environmental Chemical Engineering, 2016, 4, 1918-1928.	3.3	36
43	Stochastic techno-economic analysis of the production of aviation biofuel from oilseeds. Biotechnology for Biofuels, 2018, 11, 161.	6.2	36
44	Identification of Copper Species Present in Cu-ZSM-5 Catalysts for NOxReduction. Journal of Catalysis, 1999, 183, 169-181.	3.1	35
45	Evidence for the adsorption of molecules at special sites located at copper/zinc oxide interfaces. Part 2.â€"A fourier-transform infrared spectroscopy study of methanol adsorption on reduced and oxidised Cu/ZnO/SiO2catalysts. Journal of the Chemical Society, Faraday Transactions, 1992, 88, 2257-2261.	1.7	34
46	Low temperature synthesis of zeolite N from kaolinites and montmorillonites. Applied Clay Science, 2010, 48, 622-630.	2.6	34
47	Ion exchange of sodium chloride and sodium bicarbonate solutions using strong acid cation resins in relation to coal seam water treatment. Journal of Water Process Engineering, 2016, 11, 60-67.	2.6	34
48	Influence of operating parameters during electrocoagulation of sodium chloride and sodium bicarbonate solutions using aluminium electrodes. Journal of Water Process Engineering, 2018, 22, 13-26.	2.6	34
49	Infrared study of CO, CO2, H2 and H2O interactions on potassium-promoted reduced and oxidised silica-supported copper catalysts. Journal of the Chemical Society, Faraday Transactions, 1992, 88, 1477.	1.7	33
50	Combined temperature-programmed desorption and fourier-transform infrared spectroscopy study of CO2, CO and H2 interactions with model ZnO/SiO2, Cu/SiO2 and Cu/ZnO/SiO2 methanol synthesis catalysts. Journal of the Chemical Society, Faraday Transactions, 1993, 89, 1109.	1.7	33
51	Evidence for the adsorption of molecules at special sites located at copper/zinc oxide interfaces. Part 3.â€"Fourier-transform infrared study of methyl formate adsorption on reduced and oxidised Cu/ZnO/SiO2catalysts. Journal of the Chemical Society, Faraday Transactions, 1992, 88, 3497-3503.	1.7	32
52	A combined temperature-programmed reaction spectroscopy and Fourier-transform infrared spectroscopy study of CO2â€"H2and COâ€"CO2â€"H2interactions with model ZnO/SiO2, Cu/SiO2and Cu/ZnO/SiO2methanol-synthesis catalysts. Journal of the Chemical Society, Faraday Transactions, 1992, 88, 2085-2093.	1.7	32
53	Exploration of the fundamental equilibrium behaviour of calcium exchange with weak acid cation resins. Desalination, 2014, 351, 27-36.	4.0	32
54	Forward osmosis as a pre-treatment for treating coal seam gas associated water: Flux and fouling behaviour. Desalination, 2017, 403, 144-152.	4.0	30

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55	Spectroscopic investigation of the polymerisation of pyrrole and thiophene within zeolite channels. Journal of the Chemical Society, Faraday Transactions, 1994, 90, 2579.	1.7	29
56	Formation of polypyrrole and polythiophene within Cu2+- and H+-mordenite hosts studied by EPR and UVâ€“VIS spectroscopy. Journal of the Chemical Society, Faraday Transactions, 1995, 91, 4321-4328.	1.7	29
57	Title is missing!. Catalysis Letters, 1997, 43, 97-105.	1.4	29
58	Catalytic degradation of Orange II in aqueous solution using diatomite-supported bimetallic Fe/Ni nanoparticles. RSC Advances, 2018, 8, 7687-7696.	1.7	29
59	Characterisation of SiO2-supported nickel catalysts for carbon dioxide reforming of methane. Journal of the Chemical Society, Faraday Transactions, 1998, 94, 701-710.	1.7	28
60	Factors influencing kinetic and equilibrium behaviour of sodium ion exchange with strong acid cation resin. Separation and Purification Technology, 2016, 163, 79-91.	3.9	28
61	Energy efficiency of RO and FOâ€“RO system for high-salinity seawater treatment. Clean Technologies and Environmental Policy, 2017, 19, 77-91.	2.1	28
62	Simultaneous adsorption and degradation of 2,4-dichlorophenol on sepiolite-supported bimetallic Fe/Ni nanoparticles. Journal of Environmental Chemical Engineering, 2019, 7, 102955.	3.3	27
63	Removal of fluoride ions from solution by chelating resin with imino-diacetate functionality. Journal of Water Process Engineering, 2017, 20, 113-122.	2.6	26
64	Energy efficiency of hollow fibre membrane module in the forward osmosis seawater desalination process. Journal of Membrane Science, 2019, 587, 117165.	4.1	26
65	Effect of ammonium chloride on leaching behavior of alkaline anion and sodium ion in bauxite residue. Transactions of Nonferrous Metals Society of China, 2018, 28, 2125-2134.	1.7	25
66	An FTIR Study of the Adsorption of Methanol and Methyl Formate on Potassium-Promoted Cu/SiO2 Catalysts. Journal of Catalysis, 1993, 142, 263-273.	3.1	24
67	Hydrothermal syntheses of zeolite N from kaolin. Applied Clay Science, 2012, 58, 1-7.	2.6	24
68	Equilibrium and column studies of iron exchange with strong acid cation resin. Journal of Environmental Chemical Engineering, 2015, 3, 373-385.	3.3	24
69	Value adding red mud waste: Impact of red mud composition upon fluoride removal performance of synthesised akaganeite sorbents. Journal of Environmental Chemical Engineering, 2018, 6, 2063-2074.	3.3	24
70	Synthesis of high-quality zeolite LTA from alum sludge generated in drinking water treatment plants. Journal of Environmental Chemical Engineering, 2021, 9, 104751.	3.3	24
71	Effectiveness of aluminium based coagulants for pre-treatment of coal seam water. Separation and Purification Technology, 2017, 177, 207-222.	3.9	23
72	Effect of Ca:Mg ratio and high ammoniacal nitrogen on characteristics of struvite precipitated from waste activated sludge digester effluent. Journal of Environmental Sciences, 2019, 86, 65-77.	3.2	23

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73	Pressure retarded osmosis: Advancement, challenges and potential. Journal of Water Process Engineering, 2021, 40, 101950.	2.6	23
74	Raman spectroscopy of synthetic CaHPO₄Â·2H₂Oâ€“ and in comparison with the cave mineral brushite. Journal of Raman Spectroscopy, 2012, 43, 571-576.	1.2	22
75	Isolation of an acid producing Bacillus sp. EEEL02: Potential for bauxite residue neutralization. Journal of Central South University, 2019, 26, 343-352.	1.2	22
76	Understanding coal seam gas associated water, regulations and strategies for treatment. Journal of Unconventional Oil and Gas Resources, 2016, 13, 32-43.	3.5	21
77	Enhanced removal of high Mn(II) and minor heavy metals from acid mine drainage using tunnelled manganese oxides. Journal of Environmental Chemical Engineering, 2018, 6, 3249-3261.	3.3	21
78	Electrocoagulation for the purification of highly concentrated brine produced from reverse osmosis desalination of coal seam gas associated water. Journal of Water Process Engineering, 2019, 28, 300-310.	2.6	21
79	Crystal Structure, Infrared and Solid State CP MAS NMR Characterization of [(PPh3)2AgO2CH] and of [(PPh3)2AgO2CH].cntdot.2HCO2H, a Complex of the H-Bonded [H2(HCO2)3]- Species. The Journal of Physical Chemistry, 1995, 99, 3909-3917.	2.9	20
80	In situ observation of structural changes in polycrystalline silver catalysts by environmental scanning electron microscopy. Journal of the Chemical Society, Faraday Transactions, 1998, 94, 2015-2023.	1.7	20
81	Neutralization of Acid Sulfate Solutions Using Bauxite Refinery Residues and Its Derivatives. Industrial & Engineering Chemistry Research, 2013, 52, 1388-1395.	1.8	20
82	Value adding red mud waste: High performance iron oxide adsorbent for removal of fluoride. Journal of Environmental Chemical Engineering, 2017, 5, 2200-2206.	3.3	20
83	Downstream variations of air-gap membrane distillation and comparative study with direct contact membrane distillation: A modelling approach. Desalination, 2022, 526, 115539.	4.0	20
84	In situ FT-IR Investigation of Formic Acid Adsorption on Reduced and Reoxidized Copper Catalysts. Applied Spectroscopy, 1994, 48, 827-832.	1.2	19
85	Encapsulation of transition metal species into zeolites and molecular sieves as redox catalysts: Part I-preparation and characterisation of nanosized TiO2, CdO and ZnO semiconductor particles anchored in NaY zeolite. Journal of Porous Materials, 1996, 3, 61-66.	1.3	19
86	Comparitve analysis of the physical, chemical and structural characteristics and performance of manganese greensands. Journal of Water Process Engineering, 2016, 13, 16-26.	2.6	19
87	Coal seam water quality and the impact upon management strategies. Journal of Petroleum Science and Engineering, 2017, 150, 323-333.	2.1	19
88	Enhanced water recovery in the coal seam gas industry using a dual reverse osmosis system. Environmental Science: Water Research and Technology, 2017, 3, 278-292.	1.2	19
89	An in Situ Fourier Transform Infrared Study of Formic Acid Adsorption on a Polycrystalline Silver Catalyst. Journal of Catalysis, 1994, 147, 404-416.	3.1	18
90	Spectroscopic studies of the adsorption and reactions of chlorofluorocarbons (CFC-11 and CFC-12) and hydrochlorofluorocarbon (HCFC-22) on oxide surfaces. Vibrational Spectroscopy, 1995, 9, 245-256.	1.2	18

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91	Optimisation of zeolite LTA synthesis from alum sludge and the influence of the sludge source. Journal of Environmental Sciences, 2021, 99, 130-142.	3.2	18
92	BDST modelling of sodium ion exchange column behaviour with strong acid cation resin in relation to coal seam water treatment. Journal of Environmental Chemical Engineering, 2016, 4, 2216-2224.	3.3	17
93	Using water quality and isotope studies to inform research in chronic kidney disease of unknown aetiology endemic areas in Sri Lanka. Science of the Total Environment, 2020, 745, 140896.	3.9	17
94	Raman spectroscopic study of the formation of polyacetylene within zeolite channels. Journal of Materials Chemistry, 1993, 3, 867.	6.7	16
95	Determination of an engineering model for exchange kinetics of strong acid cation resin for the ion exchange of sodium chloride & sodium bicarbonate solutions. Journal of Water Process Engineering, 2017, 17, 197-206.	2.6	16
96	Microchemistry and microstructure of sustainable mined zeolite-geopolymer. Journal of Cleaner Production, 2019, 234, 1165-1177.	4.6	16
97	Methodology of isotherm generation: Multicomponent K+ and H+ ion exchange with strong acid cation resin. Separation and Purification Technology, 2020, 251, 117360.	3.9	15
98	trans-Polyacetylene on sodium and cesium mordenites: a resonance Raman spectroscopic study. Chemistry of Materials, 1993, 5, 1509-1517.	3.2	14
99	Vibrational spectroscopic study of the mineral pitticite Fe, AsO4, SO4, H2O. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 85, 173-178.	2.0	14
100	A novel akaganeite sorbent synthesised from waste red mud: Application for treatment of arsenate in aqueous solutions. Journal of Environmental Chemical Engineering, 2018, 6, 6308-6316.	3.3	14
101	Process design of a treatment system to reduce conductivity and ammoniacal nitrogen content of landfill leachate. Journal of Water Process Engineering, 2019, 31, 100806.	2.6	14
102	Variation of alkaline characteristics in bauxite residue under phosphogypsum amendment. Journal of Central South University, 2019, 26, 361-372.	1.2	14
103	Investigation of manganese greensand activation by various oxidants. Journal of Environmental Chemical Engineering, 2018, 6, 4130-4143.	3.3	13
104	Harnessing Native Iron Ore as an Efficient Electrocatalyst for Overall Water Splitting. ChemElectroChem, 2019, 6, 3667-3673.	1.7	13
105	Application of non-linear regression analysis and statistical testing to equilibrium isotherms: Building an Excel template and interpretation. Separation and Purification Technology, 2021, 258, 118005.	3.9	13
106	Synthesis and cation exchange capacity of zeolite W from ultra-fine natural zeolite waste. Environmental Technology and Innovation, 2021, 23, 101595.	3.0	13
107	Vibrational Spectroscopy of Natural Cave Mineral Monetite CaHPO4and the Synthetic Analog. Spectroscopy Letters, 2013, 46, 54-59.	0.5	12
108	Catalytic activity evaluation of industrial Pd/C catalyst via gray-box dynamic modeling and simulation of hydropurification reactor. Applied Catalysis A: General, 2015, 489, 262-271.	2.2	12

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109	The influence of coal seam water composition upon electrocoagulation performance prior to desalination. Journal of Environmental Chemical Engineering, 2018, 6, 1943-1956.	3.3	12
110	Ferrous poisoning of surface MnO2 during manganese greensand operation. Journal of Environmental Chemical Engineering, 2017, 5, 3033-3043.	3.3	11
111	Coagulants for removal of turbidity and dissolved species from coal seam gas associated water. Journal of Water Process Engineering, 2018, 26, 187-199.	2.6	11
112	Effect of struvite and organic acids on immobilization of copper and zinc in contaminated bio-retention filter media. Journal of Environmental Sciences, 2020, 97, 35-44.	3.2	11
113	Dynamic imaging of structural changes in silver catalysts by environmental scanning electron microscopy. , 1997, 36, 382-389.		10
114	Minimization of Bauxite Residue Neutralization Products Using Nanofiltered Seawater. Industrial & Engineering Chemistry Research, 2014, 53, 3787-3794.	1.8	10
115	Performance of bauxite refinery residues for treating acid mine drainage. Journal of Water Process Engineering, 2018, 26, 28-37.	2.6	10
116	Unsafe drinking water quality in remote Western Australian Aboriginal communities. Geographical Research, 2019, 57, 178-188.	0.9	10
117	An Improved Modelling Approach for the Comprehensive Study of Direct Contact Membrane Distillation. Membranes, 2021, 11, 308.	1.4	10
118	Resonance Raman spectroscopic study of polypyrrole in CuZSM-5. Journal of Raman Spectroscopy, 1993, 24, 523-526.	1.2	9
119	Bauxite residue neutralisation precipitate stability in acidic environments. Environmental Chemistry, 2013, 10, 455.	0.7	9
120	Forward osmosis process for supply of fertilizer solutions from seawater using a mixture of draw solutions. Desalination and Water Treatment, 2016, 57, 28025-28041.	1.0	9
121	Process evaluation of treatment options for high alkalinity coal seam gas associated water. Journal of Water Process Engineering, 2018, 23, 195-206.	2.6	9
122	Rejection of harsh pH saline solutions using graphene membranes. Carbon, 2021, 171, 240-247.	5.4	9
123	Impact of turbidity, hydraulic retention time, and polarity reversal upon iron electrode based electrocoagulation pre-treatment of coal seam gas associated water. Environmental Technology and Innovation, 2021, 23, 101622.	3.0	9
124	FT Raman spectroscopic characterization of oxalate precursors to YBCO superconductors. Materials Letters, 1995, 25, 75-80.	1.3	8
125	A spectroscopic comparison of YBCO superconductors synthesised by solid-state and co-precipitation methods. Materials Letters, 1996, 28, 27-32.	1.3	8
126	Applicability of iron based coagulants for pre-treatment of coal seam water. Journal of Environmental Chemical Engineering, 2017, 5, 1119-1132.	3.3	8

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127	Comparison of Powdered and PVC-Bound Todorokite Media for Heavy Metal Removal from Acid Mine Drainage Tailings. Industrial & Engineering Chemistry Research, 2018, 57, 14315-14324.	1.8	8
128	Sustainable ammonium recovery from wastewater: Improved synthesis and performance of zeolite N made from kaolin. Microporous and Mesoporous Materials, 2021, 316, 110918.	2.2	8
129	Evidence for the formation of strongly bound molecular CO2 species on a polycrystalline silver catalyst. Journal of the Chemical Society Chemical Communications, 1994, , 525.	2.0	7
130	Experimental and geochemical modelling investigations on the weathering behaviour of bauxite residue: effect of pH. Journal of Environmental Chemical Engineering, 2021, 9, 103509.	3.3	7
131	Process simulation of ion exchange desalination treatment of coal seam gas associated water. Journal of Water Process Engineering, 2019, 27, 89-98.	2.6	7
132	Evaluation and application of machine learning principles to Zeolite LTA synthesis. Microporous and Mesoporous Materials, 2022, 335, 111802.	2.2	7
133	Influence of oxidation and reduction conditions upon the morphology of silica-supported polycrystalline silver catalysts. Journal of the Chemical Society, Faraday Transactions, 1995, 91, 133.	1.7	6
134	Vibrational spectroscopy of synthetic archerite (K,NH4) and in comparison with the natural cave mineral. Journal of Molecular Structure, 2012, 1011, 128-133.	1.8	6
135	Acid Mine Drainage Treatment Using Bayer Precipitates Obtained from Seawater Neutralization of Bayer Liquor. Global Challenges, 2018, 2, 1800061.	1.8	6
136	Optimization of mesophilic anaerobic digestion of a conventional activated sludge plant for sustainability. AEJ - Alexandria Engineering Journal, 2019, 58, 977-987.	3.4	6
137	Process engineering approach to conversion of alum sludge and waste glass into zeolite LTA for water softening. Journal of Water Process Engineering, 2021, 43, 102177.	2.6	6
138	Fine-grained Y2Cu2O5 powder from a co-precipitated precursor. Materials Letters, 1996, 26, 89-96.	1.3	5
139	Softening of coal seam gas associated water with aluminium exchanged resins. Journal of Water Process Engineering, 2018, 21, 27-43.	2.6	5
140	Synthesis of LTA zeolite beads using alum sludge and silica rich wastes. Advanced Powder Technology, 2021, 32, 3248-3258.	2.0	5
141	Using isotopes to determine the natural and anthropogenic processes influencing water quality in household wells of Chronic kidney disease of unknown origin (CKDu) endemic Medawachchiya area, Sri Lanka. Journal of Hydrology, 2021, 600, 126623.	2.3	5
142	Characterization of the active site for the selective oxidation of methanol to formaldehyde on polycrystalline silver catalyst. Journal of the Chemical Society Chemical Communications, 1994, , 1717.	2.0	4
143	A Fourier-transform infrared study of CO2 and CO2/H2 interactions with caesium-doped copper catalysts. Topics in Catalysis, 1996, 3, 103-114.	1.3	4
144	Vibrational spectroscopy of synthetic stercorite H(NH4)Na(PO4)Â·4H2Oâ€"A comparison with the natural cave mineral. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 84, 269-274.	2.0	4

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145	Enhanced removal of Mn (II) from solution by thermally activated Bayer precipitates. Minerals Engineering, 2019, 134, 166-175.	1.8	4
146	Powering reversible actuators using forward osmosis membranes: feasibility study and modeling. Separation Science and Technology, 2019, 54, 128-142.	1.3	4
147	Process design of coal seam gas associated water treatment plants to facilitate beneficial reuse. Journal of Environmental Chemical Engineering, 2020, 8, 104255.	3.3	4
148	Process simulation of high pH reverse osmosis systems to facilitate reuse of coal seam gas associated water. Journal of Environmental Chemical Engineering, 2020, 8, 104122.	3.3	4
149	Transformation of heulandite type natural zeolites into synthetic zeolite LTA. Environmental Technology and Innovation, 2021, 21, 101371.	3.0	3
150	Applicability of pebble matrix filtration for the pre-treatment of surface waters containing high turbidity and NOM. Desalination and Water Treatment, 2016, 57, 24820-24832.	1.0	2
151	Limitations of osmotic gradient resource and hydraulic pressure on the efficiency of dual stage PRO process. , 0, 105, 11-22.		2
152	Migration of Alkaline Constituents and Restoration Evaluation in Bauxite Residue Disposal Areas. Bulletin of Environmental Contamination and Toxicology, 2022, 109, 20-29.	1.3	1
153	Ammoniacal nitrogen removal and reuse: Process engineering design and technoeconomics of zeolite N synthesis. Journal of Environmental Chemical Engineering, 2022, 10, 107942.	3.3	0
154	Use of mining waste as a novel low-cost material for fluoride removal from groundwater in CKDu endemic areas of Sri Lanka. Journal of Water Process Engineering, 2022, 48, 102889.	2.6	0