

Tomohito Kameda

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

226
papers

3,812
citations

32
h-index

46
g-index

229
ext. papers

4,493
ext. citations

5.2
avg. IF

5.83
L-index

#	Paper	IF	Citations
226	Study of dynamics and mechanism of HCl, SO ₂ , or NO removal by MnO ₂ /MgAl layered double hydroxide. <i>Inorganic Chemistry Communication</i> , 2022 , 135, 109108	3.1	2
225	An integrated utilization strategy of printed circuit boards and waste tire by fast co-pyrolysis: Value-added products recovery and heteroatoms transformation.. <i>Journal of Hazardous Materials</i> , 2022 , 430, 128420	12.8	2
224	Exhaust gas treatment using MnO ₂ /MgAl layered double hydroxide: Assessment of its mixed gas removal performance and regeneration. <i>Chemical Engineering Research and Design</i> , 2022 , 178, 602-608	5.5	0
223	Synergistic effects during co-pyrolysis of milled wood lignin and polyolefins at the gas phase and liquid/solid phase contacting modes. <i>Chemical Engineering Journal</i> , 2022 , 431, 134030	14.7	6
222	Bench-scale PVC swelling and rod milling of waste wire harnesses for recovery of Cu, PVC, and plasticizers. <i>Journal of Material Cycles and Waste Management</i> , 2022 , 24, 12	3.4	
221	Thermal decomposition behavior of MnO ₂ /Mg-Al layered double hydroxide after removal and recovery of acid gas. <i>Results in Chemistry</i> , 2022 , 4, 100310	2.1	
220	Synthesis of linear and cyclic organic sulfonic acid-modified Cu-Al layered double hydroxides and their adsorption properties. <i>Journal of Alloys and Compounds</i> , 2022 , 165537	5.7	0
219	New insights into the capture performance and mechanism of hazardous metals Cr and Cd onto an effective layered double hydroxide based material.. <i>Journal of Hazardous Materials</i> , 2021 , 426, 128062	12.8	16
218	Sustainable Advance of Cl Recovery from Polyvinyl Chloride Waste Based on Experiment, Simulation, and Ex Ante Life-Cycle Assessment. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 14112-14123	8.3	0
217	Continuous treatment of abandoned mine wastewater containing As and Fe using MgAl layered double hydroxides with flocculation. <i>International Journal of Environmental Science and Technology</i> , 2021 , 18, 4037	3.3	2
216	Quantification of Cellulose Pyrolyzates via a Tube Reactor and a Pyrolyzer-Gas Chromatograph/Flame Ionization Detector-Based System. <i>ACS Omega</i> , 2021 , 6, 12022-12026	3.9	2
215	Synthesis of MnO ₂ /Mg-Al layered double hydroxide and evaluation of its NO-removal performance. <i>Journal of Alloys and Compounds</i> , 2021 , 867, 159038	5.7	5
214	Kinetics and adsorption isotherm of ammonia uptake by cation exchange resins and treatment of mixed aqueous lactate/ammonia by MgAl layered double oxide and the resins. <i>Journal of Water Process Engineering</i> , 2021 , 41, 102027	6.7	
213	Preparation of ZnAl layered double hydroxide intercalated with carboxymethyl-β-cyclodextrin by anion exchange method and its Ni ²⁺ adsorption property. <i>Soft Materials</i> , 2021 , 19, 139-147	1.7	1
212	Synthesis of layered double hydroxide nanosheets in an aqueous solvent and their Ni ²⁺ uptake characteristics. <i>Applied Clay Science</i> , 2021 , 200, 105911	5.2	3
211	Desorption of Cl ⁻ from Mg-Al layered double hydroxide intercalated with Cl ⁻ using CO ₂ gas and water. <i>Chinese Journal of Chemical Engineering</i> , 2021 , 29, 131-134	3.2	3
210	Lactate adsorption by layered double hydroxides in aqueous solution and cell culture medium. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 612, 125975	5.1	1

209	Regeneration of carbonate-intercalated Mg ₃ Al layered double hydroxides (CO ₃ ∩Mg ₃ Al LDHs) by CO ₂ -induced desorption of anions (X) from X∩Mg ₃ Al LDH (X = Cl, SO ₄ , or NO ₃): A kinetic study. <i>Chemical Engineering Research and Design</i> , 2021 , 165, 207-213	5.5	2
208	Enhanced production of phenol and debromination by co-pyrolysis of the non-metallic fraction of printed circuit boards and waste tires. <i>Green Chemistry</i> , 2021 , 23, 6392-6404	10	5
207	Removal of cesium ions from A-type zeolites using sodium tetrakis(4-fluorophenyl)borate and sodium tetraphenylborate. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2021 , 327, 337-344	1.5	1
206	One-pot wet ball-milling for waste wire-harness recycling. <i>Journal of Material Cycles and Waste Management</i> , 2021 , 23, 461-469	3.4	2
205	Kinetic and equilibrium analyses of lactate adsorption by Cu-Al and Mg-Al layered double hydroxides (Cu-Al LDH and Mg-Al LDH) and Cu-Al and Mg-Al layered double oxides (Cu-Al LDO and Mg-Al LDO). <i>Nano Structures Nano Objects</i> , 2021 , 25, 100656	5.6	6
204	Ammonia adsorption by L-type zeolite and Prussian blue from aqueous and culture solutions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 622, 126595	5.1	3
203	Combined UV-irradiation and pyrolysis-GC/MS approach for evaluating the deterioration behavior of ethylene vinyl acetate. <i>Polymer Degradation and Stability</i> , 2021 , 190, 109623	4.7	1
202	Removal of sulfate from wastewater via synthetic Mg-Al layered double hydroxide: An adsorption, kinetics, and thermodynamic study. <i>Journal of the Indian Chemical Society</i> , 2021 , 100185		1
201	Prediction of pyrolyzate yields by response surface methodology: A case study of cellulose and polyethylene co-pyrolysis. <i>Bioresource Technology</i> , 2021 , 337, 125435	11	4
200	Investigation of the mechanism of Cu(II) removal using Mg-Al layered double hydroxide intercalated with carbonate: Equilibrium and pH studies and solid-state analyses. <i>Inorganic Chemistry Communication</i> , 2021 , 132, 108839	3.1	4
199	Machine learning-based discrete element reaction model for predicting the dechlorination of poly(vinyl chloride) in NaOH/ethylene glycol solvent with ball milling. <i>Chemical Engineering Journal Advances</i> , 2020 , 3, 100025	3.6	0
198	Practical dehalogenation of automobile shredder residue in NaOH/ethylene glycol with an up-scale ball mill reactor. <i>Journal of Material Cycles and Waste Management</i> , 2020 , 22, 1620-1629	3.4	2
197	Enhancement of gasification and liquefaction during fast co-pyrolysis of cedar wood and polyethylene through control of synergistic interactions. <i>Bioresource Technology Reports</i> , 2020 , 11, 100431	4.1	13
196	Investigation of Sludge Volume from Abandoned Mine Wastewater Treatment by Layered Double Hydroxides: A Case Study Targeting As and Fe. <i>Mine Water and the Environment</i> , 2020 , 39, 881-887	2.4	2
195	Heavy metal removal from municipal solid waste fly ash through chloride volatilization using poly(vinyl chloride) as chlorinating agent. <i>Journal of Material Cycles and Waste Management</i> , 2020 , 22, 1270-1283	3.4	4
194	Simultaneous recovery of high-purity Cu and poly(vinyl chloride) from waste wire harness via swelling followed by ball milling. <i>Scientific Reports</i> , 2020 , 10, 10754	4.9	1
193	Treatment of NO by a combination of MnO ₂ and a CO ₃ ∩intercalated Mg ₃ Al layered double hydroxide. <i>SN Applied Sciences</i> , 2020 , 2, 1	1.8	6
192	Influence of CO ₂ gas on the rate and kinetics of HCl, SO ₂ , and NO ₂ gas removal by Mg-Al layered double hydroxide intercalated with CO ₃ ∩. <i>Applied Clay Science</i> , 2020 , 195, 105725	5.2	5

191	Combining pyrolysis two-dimensional gas chromatography time-of-flight mass spectrometry with hierarchical cluster analysis for rapid identification of pyrolytic interactions: Case study of co-pyrolysis of PVC and biomass components. <i>Chemical Engineering Research and Design</i> , 2020 , 143, 91-100	5.5	8
190	Facile method for treating Zn, Cd, and Pb in mining wastewater by the formation of Mg/Al layered double hydroxide. <i>International Journal of Environmental Science and Technology</i> , 2020 , 17, 3023-3032	3.3	8
189	Adsorption of various metals by carboxymethyl- β -cyclodextrin-modified Zn/Al layered double hydroxides. <i>Applied Clay Science</i> , 2020 , 187, 105479	5.2	5
188	Effect of the specific surface area of MgO on the treatment of boron and fluorine. <i>Applied Water Science</i> , 2020 , 10, 1	5	1
187	Impact of Ni/Mg/Al Catalyst Composition on Simultaneous H ₂ -Rich Syngas Recovery and Toxic HCN Removal through a Two-Step Polyurethane Pyrolysis and Steam Reforming Process. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 9023-9033	3.9	7
186	Combined Experiment, Simulation, and Ex-ante LCA Approach for Sustainable Cl Recovery from NaCl/Ethylene Glycol by Electrodialysis. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 20112-20121	2.9	1
185	Treatment of HCl gas by cyclic use of Mg/Al layered double hydroxide intercalated with CO ₂ . <i>Atmospheric Pollution Research</i> , 2020 , 11, 290-295	4.5	11
184	Effects of Acetic Acid Pretreatment and Pyrolysis Temperatures on Product Recovery from Fijian Sugarcane Bagasse. <i>Waste and Biomass Valorization</i> , 2020 , 11, 6347-6357	3.2	4
183	Temperature-dependent pyrolysis behavior of polyurethane elastomers with different hard- and soft-segment compositions. <i>Journal of Analytical and Applied Pyrolysis</i> , 2020 , 145, 104754	6	14
182	Catalytic Pyrolysis of Poly(ethylene terephthalate) in the Presence of Metal Oxides for Aromatic Hydrocarbon Recovery Using Tandem Reactor-GC/MS. <i>Energy & Fuels</i> , 2020 , 34, 2492-2500	4.1	15
181	Adsorption of Cu ²⁺ and Ni ²⁺ by oxalic acid-crosslinked chitosan-modified montmorillonite. <i>Soft Materials</i> , 2020 , 18, 411-420	1.7	
180	Adsorption of urea, creatinine, and uric acid onto spherical activated carbon. <i>Separation and Purification Technology</i> , 2020 , 237, 116367	8.3	21
179	Adsorption of SeO ₄ ²⁻ by delaminated Mg/Al layered double hydroxide nanosheets. <i>Inorganic Chemistry Communication</i> , 2020 , 122, 108266	3.1	4
178	Direct Gas-Phase Derivatization by Employing Tandem Reactor-Gas Chromatography/Mass Spectrometry: Case Study of Trifluoroacetylation of 4-Methylenedianiline. <i>Analytical Chemistry</i> , 2020 , 92, 14924-14929	7.8	6
177	Highly efficient recovery of high-purity Cu, PVC, and phthalate plasticizer from waste wire harnesses through PVC swelling and rod milling. <i>Reaction Chemistry and Engineering</i> , 2020 , 5, 1805-1813	4.9	2
176	Simultaneous treatment of HCl/BO ₂ /NO _x gas with Mg/Al layered double hydroxide intercalated with CO ₂ and its recycling process. <i>International Journal of Environmental Science and Technology</i> , 2020 , 17, 1179-1184	3.3	8
175	Adsorption of urea, creatinine, and uric acid from three solution types using spherical activated carbon and its recyclability. <i>Chinese Journal of Chemical Engineering</i> , 2020 , 28, 2993-3001	3.2	4
174	Degradation of PVC waste into a flexible polymer by chemical modification using DINP moieties. <i>RSC Advances</i> , 2019 , 9, 28870-28875	3.7	3

173	Treatment of NO _x using recyclable CO ₂ -intercalated Mg ₃ Al layered double hydroxide. <i>Atmospheric Pollution Research</i> , 2019 , 10, 1866-1872	4.5	11
172	Practical dechlorination of polyvinyl chloride wastes in NaOH/ethylene glycol using an up-scale ball mill reactor and validation by discrete element method simulations. <i>Waste Management</i> , 2019 , 99, 31-41	8.6	9
171	Removal of Mn and Cd contained in mine wastewater by Mg ₃ Al-layered double hydroxides. <i>Journal of Material Cycles and Waste Management</i> , 2019 , 21, 1232-1241	3.4	8
170	Uptake of Ni ²⁺ and Cu ²⁺ by Zn ₃ Al layered double hydroxide intercalated with carboxymethyl-modified cyclodextrin: Equilibrium and kinetic studies. <i>Materials Chemistry and Physics</i> , 2019 , 233, 288-295	4.4	10
169	Adsorption of Cu ²⁺ and Ni ²⁺ by tripolyphosphate-crosslinked chitosan-modified montmorillonite. <i>Journal of Solid State Chemistry</i> , 2019 , 277, 143-148	3.3	22
168	Separation mechanism of polyvinyl chloride and copper components from swollen electric cables by mechanical agitation. <i>Waste Management</i> , 2019 , 93, 54-62	8.6	8
167	Separation of copper and polyvinyl chloride from thin waste electric cables: A combined PVC-swelling and centrifugal approach. <i>Waste Management</i> , 2019 , 89, 27-36	8.6	11
166	A combined kinetic and thermodynamic approach for interpreting the complex interactions during chloride volatilization of heavy metals in municipal solid waste fly ash. <i>Waste Management</i> , 2019 , 87, 204-217	8.6	18
165	Pyrolysis of sugarcane bagasse pretreated with sulfuric acid. <i>Journal of the Energy Institute</i> , 2019 , 92, 1149-1157	5.7	15
164	Uptake of heavy metal cations by chitosan-modified montmorillonite: Kinetics and equilibrium studies. <i>Materials Chemistry and Physics</i> , 2019 , 236, 121784	4.4	12
163	Impact of Common Plastics on Cellulose Pyrolysis. <i>Energy & Fuels</i> , 2019 , 33, 6837-6841	4.1	13
162	Deducing targets of emerging technologies based on ex ante life cycle thinking: Case study on a chlorine recovery process for polyvinyl chloride wastes. <i>Resources, Conservation and Recycling</i> , 2019 , 151, 104500	11.9	8
161	Impacts of Pyrolytic Interactions during the Co-pyrolysis of Biomass/Plastic: Synergies in Lignocellulose-Polyethylene System. <i>Nihon Enerugi Gakkaishi/Journal of the Japan Institute of Energy</i> , 2019 , 98, 202-219	0.5	14
160	Beech Wood Pyrolysis in Polyethylene Melt as a Means of Enhancing Levoglucosan and Methoxyphenol Production. <i>Scientific Reports</i> , 2019 , 9, 1955	4.9	20
159	Hydrogen and steam injected tandem reactor GC/FID system: phenol recovery from bisphenol A and alkylphenols using Ni/Y zeolite. <i>Reaction Chemistry and Engineering</i> , 2019 , 4, 2099-2107	4.9	6
158	Mg ₃ Al layered double hydroxide intercalated with CO ₂ and its recyclability for treatment of SO ₂ . <i>Applied Clay Science</i> , 2019 , 183, 105349	5.2	11
157	Simultaneous recovery of H ₂ -rich syngas and removal of HCN during pyrolytic recycling of polyurethane by Ni/Mg/Al catalysts. <i>Chemical Engineering Journal</i> , 2019 , 361, 408-415	14.7	19
156	Application of Mg ₃ Al layered double hydroxide for treating acidic mine wastewater: a novel approach to sludge reduction. <i>Chemistry and Ecology</i> , 2019 , 35, 128-142	2.3	11

155	Identification of number and type of cations in water-soluble Cs and Na calix[4]arene-bis-crown-6 complexes by using ESI-TOF-MS. <i>Chemosphere</i> , 2018 , 197, 181-184	8.4	8
154	Simultaneous recovery of high-purity copper and polyvinyl chloride from thin electric cables by plasticizer extraction and ball milling.. <i>RSC Advances</i> , 2018 , 8, 6893-6903	3.7	12
153	A novel method to delaminate nitrate-intercalated MgAl layered double hydroxides in water and application in heavy metals removal from waste water. <i>Chemosphere</i> , 2018 , 203, 281-290	8.4	32
152	Alkaline hydrolysis of PVC-coated PET fibers for simultaneous recycling of PET and PVC. <i>Journal of Material Cycles and Waste Management</i> , 2018 , 20, 439-449	3.4	12
151	Effectiveness of MgAl-layered double hydroxide for heavy metal removal from mine wastewater and sludge volume reduction. <i>International Journal of Environmental Science and Technology</i> , 2018 , 15, 263-272	3.3	21
150	Aromatic hydrocarbon selectivity as a function of CaO basicity and aging during CaO-catalyzed PET pyrolysis using tandem μ -reactor-GC/MS. <i>Chemical Engineering Journal</i> , 2018 , 332, 169-173	14.7	28
149	Current Issues and Future Prospects in Plastic Recycling. <i>Material Cycles and Waste Management Research</i> , 2018 , 29, 152-162	0	1
148	Equilibrium studies of the adsorption of aromatic disulfonates by MgAl oxide. <i>Journal of Physics and Chemistry of Solids</i> , 2018 , 114, 129-132	3.9	2
147	Diagnosing chlorine industrial metabolism by evaluating the potential of chlorine recovery from polyvinyl chloride wastes: A case study in Japan. <i>Resources, Conservation and Recycling</i> , 2018 , 133, 354-361	11.9	14
146	Mechanism and kinetics of aqueous boron removal using MgO. <i>Journal of Water Process Engineering</i> , 2018 , 26, 237-241	6.7	8
145	Selective phenol recovery via simultaneous hydrogenation/dealkylation of isopropyl- and isopropenyl-phenols employing an H ₂ generator combined with tandem micro-reactor GC/MS. <i>Scientific Reports</i> , 2018 , 8, 13994	4.9	9
144	Validation of a deplasticizer-ball milling method for separating Cu and PVC from thin electric cables: A simulation and experimental approach. <i>Waste Management</i> , 2018 , 82, 220-230	8.6	11
143	Analysis of F ⁻ removal from aqueous solutions using MgO. <i>Journal of Water Process Engineering</i> , 2018 , 25, 54-57	6.7	5
142	Simultaneous removal of Cl ⁻ and SO ₄ ²⁻ from seawater using MgAl oxide: kinetics and equilibrium studies. <i>Applied Water Science</i> , 2017 , 7, 129-136	5	9
141	Thermal decomposition of tetrabromobisphenol-A containing printed circuit boards in the presence of calcium hydroxide. <i>Journal of Material Cycles and Waste Management</i> , 2017 , 19, 282-293	3.4	33
140	Solubility parameters for determining optimal solvents for separating PVC from PVC-coated PET fibers. <i>Journal of Material Cycles and Waste Management</i> , 2017 , 19, 612-622	3.4	26
139	Kinetics and equilibrium studies on the uptake of Nd ³⁺ by ZnAl layered double hydroxide intercalated with triethylenetetramine-hexaacetic acid. <i>Materials Chemistry and Physics</i> , 2017 , 191, 96-98	4.4	6
138	Fate of bisphenol A pyrolysates at low pyrolytic temperatures. <i>Journal of Analytical and Applied Pyrolysis</i> , 2017 , 125, 193-200	6	6

137	Effect of preparation method on particle properties of carbonate-type magnesium–aluminum layered double hydroxides. <i>Journal of Industrial and Engineering Chemistry</i> , 2017 , 53, 105-110	6.3	9
136	Effects of hard- and soft-segment composition on pyrolysis characteristics of MDI, BD, and PTMG-based polyurethane elastomers. <i>Journal of Analytical and Applied Pyrolysis</i> , 2017 , 126, 337-345	6	29
135	Adsorption isotherms and kinetics of arsenic removal from aqueous solution by Mg–Al layered double hydroxide intercalated with nitrate ions. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2017 , 120, 703-714	1.6	24
134	Removal of boron and fluoride in wastewater using Mg–Al layered double hydroxide and Mg–Al oxide. <i>Journal of Environmental Management</i> , 2017 , 188, 58-63	7.9	30
133	Tandem Reactor-GC/MS for online monitoring of aromatic hydrocarbon production via CaO-catalysed PET pyrolysis. <i>Reaction Chemistry and Engineering</i> , 2017 , 2, 776-784	4.9	24
132	New principals on the adsorption of alkyl compound by Mg–Al oxide: Adsorption kinetics and equilibrium studies. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017 , 513, 348-354 ^{5.1}	5.1	5
131	Kinetic and equilibrium studies of urea adsorption onto activated carbon: Adsorption mechanism. <i>Journal of Dispersion Science and Technology</i> , 2017 , 38, 1063-1066	1.5	25
130	Removal of toxic HCN and recovery of H ₂ -rich syngas via catalytic reforming of product gas from gasification of polyimide over Ni/Mg/Al catalysts. <i>Journal of Analytical and Applied Pyrolysis</i> , 2017 , 123, 330-339	6	19
129	Recycling of Waste Chemical Conversion Treatment Sludge to Positive Electrode Material of Lithium-ion Secondary Battery. <i>Journal of the Japan Society of Material Cycles and Waste Management</i> , 2016 , 27, 188-195	0.1	
128	Pyrolysis and hydrolysis behaviors during steam pyrolysis of polyimide. <i>Journal of Analytical and Applied Pyrolysis</i> , 2016 , 120, 75-81	6	12
127	Kinetic and equilibrium studies on the uptake of Nd ³⁺ and Sr ²⁺ by Li–Al layered double hydroxide intercalated with 1-hydroxyethane-1,1-diphosphonic acid. <i>Journal of Industrial and Engineering Chemistry</i> , 2016 , 36, 96-101	6.3	7
126	Use of Mg–Al oxide for boron removal from an aqueous solution in rotation: Kinetics and equilibrium studies. <i>Journal of Environmental Management</i> , 2016 , 165, 280-285	7.9	16
125	Synthesis of Li–Al layered double hydroxide intercalated with amino tris(methylene phosphonic acid) and kinetic and equilibrium studies of the uptake of Nd ³⁺ and Sr ²⁺ ions. <i>Applied Surface Science</i> , 2016 , 366, 523-528	6.7	10
124	Hydrothermal synthesis of hardened diatomite-based adsorbents with analcime formation for methylene blue adsorption. <i>RSC Advances</i> , 2016 , 6, 26765-26774	3.7	13
123	Equilibrium and kinetics studies on the adsorption of substituted phenols by a Cu–Al layered double hydroxide intercalated with 1-naphthol-3,8-disulfonate. <i>Journal of Alloys and Compounds</i> , 2016 , 670, 322-328	5.7	7
122	Uptake of Nd ³⁺ and Sr ²⁺ by Li–Al layered double hydroxides intercalated with ethylenediaminetetraacetate. <i>Materials Chemistry and Physics</i> , 2016 , 177, 8-11	4.4	14
121	Treatment of hydrochloric acid using Mg–Al layered double hydroxide intercalated with carbonate. <i>Journal of Industrial and Engineering Chemistry</i> , 2016 , 39, 21-26	6.3	21
120	Interactions of beech wood–polyethylene mixtures during co-pyrolysis. <i>Journal of Analytical and Applied Pyrolysis</i> , 2016 , 122, 531-540	6	44

119	Thermal decomposition of individual and mixed plastics in the presence of CaO or Ca(OH) ₂ . <i>Journal of Analytical and Applied Pyrolysis</i> , 2015 , 113, 584-590	6	44
118	Recyclable Mg-Al layered double hydroxides for fluoride removal: Kinetic and equilibrium studies. <i>Journal of Hazardous Materials</i> , 2015 , 300, 475-482	12.8	48
117	New treatment method for boron in aqueous solutions using Mg-Al layered double hydroxide: Kinetics and equilibrium studies. <i>Journal of Hazardous Materials</i> , 2015 , 293, 54-63	12.8	27
116	Kinetics and equilibrium studies on the removal of aromatic sulfonates from aqueous solution by MgAl oxide. <i>New Journal of Chemistry</i> , 2015 , 39, 4078-4085	3.6	3
115	Chemical modification of poly(vinyl chloride) using sodium trisulfide. <i>Journal of Polymer Research</i> , 2015 , 22, 1	2.7	4
114	Effects of steam on the thermal dehydrochlorination of poly(vinyl chloride) resin and flexible poly(vinyl chloride) under atmospheric pressure. <i>Polymer Degradation and Stability</i> , 2015 , 117, 8-15	4.7	21
113	Treatment of Cr(VI) in aqueous solution by NiAl and CoAl layered double hydroxides: Equilibrium and kinetic studies. <i>Journal of Water Process Engineering</i> , 2015 , 8, e75-e80	6.7	12
112	Kinetics and equilibrium studies on Mg-Al oxide for removal of fluoride in aqueous solution and its use in recycling. <i>Journal of Environmental Management</i> , 2015 , 156, 252-6	7.9	19
111	Uptake of Nd ³⁺ and Sr ²⁺ by LiAl layered double hydroxide intercalated with triethylenetetramine-hexaacetic acid: kinetic and equilibrium studies. <i>RSC Advances</i> , 2015 , 5, 79447-79457	3.7	14
110	Continuous treatment of boron and fluoride in aqueous solutions using a column loaded with granulated MgAl layered double hydroxides intercalated with nitrates. <i>Journal of Water Process Engineering</i> , 2015 , 8, 195-201	6.7	3
109	Equilibrium studies of the uptake of aromatic compounds from an aqueous solution by montmorillonite modified with tetraphenylphosphonium and amytriphenylphosphonium. <i>Journal of Alloys and Compounds</i> , 2015 , 625, 8-12	5.7	1
108	Enhancement of bio-oil production via pyrolysis of wood biomass by pretreatment with H ₂ SO ₄ . <i>Bioresource Technology</i> , 2015 , 178, 76-82	11	41
107	Effect of H ₂ O ₂ on the treatment of NO and NO ₂ using a Mg-Al oxide slurry. <i>Chemosphere</i> , 2015 , 120, 378-82	8.4	13
106	CuAl layered double hydroxides intercalated with 1-naphthol-3,8-disulfonate and dodecyl sulfate: adsorption of substituted phenols from aqueous media. <i>New Journal of Chemistry</i> , 2015 , 39, 6315-6322	3.6	9
105	Pyrolysis versus hydrolysis behavior during steam decomposition of polyesters using 18O-labeled steam. <i>RSC Advances</i> , 2015 , 5, 61828-61837	3.7	21
104	Steam Pyrolysis of Polyimides: Effects of Steam on Raw Material Recovery. <i>Environmental Science & Technology</i> , 2015 , 49, 13558-65	10.3	12
103	Equilibrium and kinetics studies on As(V) and Sb(V) removal by Fe ²⁺ -doped Mg-Al layered double hydroxides. <i>Journal of Environmental Management</i> , 2015 , 151, 303-9	7.9	28
102	A novel process for the removal of bromine from styrene polymers containing brominated flame retardant. <i>Polymer Degradation and Stability</i> , 2015 , 112, 86-93	4.7	23

101	Nucleophilic substitution of poly(vinyl chloride) with iminoacetic acid and n-dodecanethiol. <i>Journal of Material Cycles and Waste Management</i> , 2014 , 16, 519-524	3.4	5
100	Recovery of benzene-rich oil from the degradation of metal- and metal oxide-containing poly(ethylene terephthalate) composites. <i>Journal of Material Cycles and Waste Management</i> , 2014 , 16, 282-290	3.4	14
99	Removal of arsenic from an aqueous solution by coprecipitation with manganese oxide. <i>Journal of Environmental Chemical Engineering</i> , 2014 , 2, 2045-2049	6.8	22
98	Steam Hydrolysis of Poly(bisphenol A carbonate) in a Fluidized Bed Reactor. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 4215-4223	3.9	32
97	Preparation of ZnAl layered double hydroxide intercalated with triethylenetetramine-hexaacetic acid by coprecipitation: uptake of rare-earth metal ions from aqueous solutions. <i>RSC Advances</i> , 2014 , 4, 45995-46001	3.7	13
96	Lead removal from cathode ray tube glass by the action of calcium hydroxide and poly(vinyl chloride). <i>Thermochimica Acta</i> , 2014 , 596, 49-55	2.9	20
95	Simultaneous recovery of benzene-rich oil and metals by steam pyrolysis of metal-poly(ethylene terephthalate) composite waste. <i>Environmental Science & Technology</i> , 2014 , 48, 3430-7	10.3	29
94	Preparation of MgAl layered double hydroxide doped with Fe ²⁺ and its application to Cr(VI) removal. <i>Separation and Purification Technology</i> , 2014 , 122, 12-16	8.3	50
93	Catalytic Degradation of Poly(ethylene terephthalate) for Benzene-rich Oil Recovery Using Metal Hydroxides. <i>Chemistry Letters</i> , 2014 , 43, 637-639	1.7	7
92	Kinetics of Cr(VI) removal by MgAl layered double hydroxide doped with Fe ²⁺ . <i>Journal of Water Process Engineering</i> , 2014 , 4, 134-136	6.7	11
91	Equilibrium and kinetic studies of Se(VI) removal by MgAl layered double hydroxide doped with Fe ²⁺ . <i>RSC Advances</i> , 2014 , 4, 61817-61822	3.7	11
90	Removal of lead from cathode ray tube funnel glass by chloride volatilization. <i>International Journal of Environmental Science and Technology</i> , 2014 , 11, 959-966	3.3	32
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