Tomohito Kameda

List of Publications by Year
in descending order

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228	5,311	94269	155451
papers	citations	37 h-index	55 g-index

229	229	229	4060
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nomenclature of the hydrotalcite supergroup: natural layered double hydroxides. Mineralogical Magazine, 2012, 76, 1289-1336.	0.6	341
2	New insights into the capture performance and mechanism of hazardous metals Cr3+ and Cd2+ onto an effective layered double hydroxide based material. Journal of Hazardous Materials, 2022, 426, 128062.	6.5	155
3	Mg-Al layered double hydroxide intercalated with ethylene-diaminetetraacetate anion: Synthesis and application to the uptake of heavy metal ions from an aqueous solution. Separation and Purification Technology, 2005, 47, 20-26.	3.9	118
4	Recovery of indium from In2O3 and liquid crystal display powder via a chloride volatilization process using polyvinyl chloride. Thermochimica Acta, 2009, 493, 105-108.	1.2	97
5	Uptake of heavy metal ions from aqueous solution using Mgâ€“Al layered double hydroxides intercalated with citrate, malate, and tartrate. Separation and Purification Technology, 2008, 62, 330-336.	3.9	80
6	New method of treating dilute mineral acids using magnesiumâ€“aluminum oxide. Water Research, 2003, 37, 1545-1550.	5.3	71
7	Dechlorination of poly(vinyl chloride) using NaOH in ethylene glycol under atmospheric pressure. Polymer Degradation and Stability, 2008, 93, 1138-1141.	2.7	69
8	Chemical modification of poly(vinyl chloride) by nucleophilic substitution. Polymer Degradation and Stability, 2009, 94, 107-112.	2.7	69
9	Interactions of beech woodâ€“polyethylene mixtures during co-pyrolysis. Journal of Analytical and Applied Pyrolysis, 2016, 122, 531-540.	2.6	65
10	Thermal decomposition of individual and mixed plastics in the presence of CaO or Ca(OH)2. Journal of Analytical and Applied Pyrolysis, 2015, 113, 584-590.	2.6	64
11	Preparation and Characterisation of Mg–Al Layered Double Hydroxides Intercalated with 2-Naphthalene Sulphonate and 2,6-Naphthalene Disulphonate. Materials Transactions, 2006, 47, 923-930.	0.4	63
12	The simultaneous removal of calcium and chloride ions from calcium chloride solution using magnesiumâ€“aluminum oxide. Water Research, 2003, 37, 4045-4050.	5.3	62
13	Recyclable Mgâ€“Al layered double hydroxides for fluoride removal: Kinetic and equilibrium studies. Journal of Hazardous Materials, 2015, 300, 475-482.	6.5	62
14	Dechlorination behaviour of flexible poly(vinyl chloride) in NaOH/EG solution. Polymer Degradation and Stability, 2008, 93, 1822-1825.	2.7	58
15	New Treatment Methods for Waste Water Containing Chloride Ion Using Magnesiumâ€“Aluminum Oxide. Chemistry Letters, 2000, 29, 1136-1137.	0.7	57
16	Aromatic hydrocarbon selectivity as a function of CaO basicity and aging during CaO-catalyzed PET pyrolysis using tandem Âµ-reactor-GC/MS. Chemical Engineering Journal, 2018, 332, 169-173.	6.6	57
17	Kinetic studies of the decomposition of flame retardant containing high-impact polystyrene. Polymer Degradation and Stability, 2010, 95, 1129-1137.	2.7	54
18	Preparation of Mgâ€“Al layered double hydroxide doped with Fe2+ and its application to Cr(VI) removal. Separation and Purification Technology, 2014, 122, 12-16.	3.9	54

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19	Enhancement of bio-oil production via pyrolysis of wood biomass by pretreatment with H 2 SO 4. Bioresource Technology, 2015, 178, 76-82.	4.8	53
20	New Treatment Method for Dilute Hydrochloric Acid Using Magnesium-Aluminum Oxide. Bulletin of the Chemical Society of Japan, 2002, 75, 595-599.	2.0	49
21	A novel method to delaminate nitrate-intercalated Mg Al layered double hydroxides in water and application in heavy metals removal from waste water. Chemosphere, 2018, 203, 281-290.	4.2	49
22	Effect of temperature management on the hydrolytic degradation of PET in a calcium oxide filled tube reactor. Chemical Engineering Journal, 2011, 166, 523-528.	6.6	47
23	Thermal decomposition of tetrabromobisphenol-A containing printed circuit boards in the presence of calcium hydroxide. Journal of Material Cycles and Waste Management, 2017, 19, 282-293.	1.6	47
24	TGâ€“MS investigation of brominated products from the degradation of brominated flame retardants in high-impact polystyrene. Chemosphere, 2011, 85, 368-373.	4.2	46
25	Kinetic and equilibrium studies of urea adsorption onto activated carbon: Adsorption mechanism. Journal of Dispersion Science and Technology, 2017, 38, 1063-1066.	1.3	46
26	Elimination behavior of nitrogen oxides from a NO3â¯-intercalated Mgâ€“Al layered double hydroxide during thermal decomposition. Thermochimica Acta, 2010, 499, 106-110.	1.2	45
27	Pyrolysis of Mixed Plastics in a Fluidized Bed of Hard Burnt Lime. Industrial & Engineering Chemistry Research, 2011, 50, 5459-5466.	1.8	45
28	Removal of antimonate ions from an aqueous solution by anion exchange with magnesiumâ€“aluminum layered double hydroxide and the formation of a brandholzite-like structure. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2012, 47, 1146-1151.	0.9	45
29	Adsorption of urea, creatinine, and uric acid onto spherical activated carbon. Separation and Purification Technology, 2020, 237, 116367.	3.9	45
30	Preparation of a composite material for the uptake of bisphenol A from aqueous solutions, the dodecylsulfate ion-intercalated MgAl layer-structured double hydroxide particles. Journal of Alloys and Compounds, 2005, 402, 46-52.	2.8	43
31	Steam Hydrolysis of Poly(bisphenol A carbonate) in a Fluidized Bed Reactor. Industrial & Engineering Chemistry Research, 2014, 53, 4215-4223.	1.8	43
32	Effects of hard- and soft-segment composition on pyrolysis characteristics of MDI, BD, and PTMG-based polyurethane elastomers. Journal of Analytical and Applied Pyrolysis, 2017, 126, 337-345.	2.6	43
33	Solubility parameters for determining optimal solvents for separating PVC from PVC-coated PET fibers. Journal of Material Cycles and Waste Management, 2017, 19, 612-622.	1.6	42
34	Hybrid inorganic/organic composites of Mgâ€“Al layered double hydroxides intercalated with citrate, malate, and tartrate prepared by co-precipitation. Materials Research Bulletin, 2009, 44, 840-845.	2.7	41
35	Tandem Î¼-reactor-GC/MS for online monitoring of aromatic hydrocarbon production via CaO-catalysed PET pyrolysis. Reaction Chemistry and Engineering, 2017, 2, 776-784.	1.9	41
36	The removal of chloride from solutions with various cations using magnesiumâ€“aluminum oxide. Separation and Purification Technology, 2005, 42, 25-29.	3.9	40

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37	Chemical modification of rigid poly(vinyl chloride) by the substitution with nucleophiles. Journal of Applied Polymer Science, 2010, 116, 36-44.	1.3	40
38	Kinetics of uptake of Cu2+ and Cd2+ by Mgâ€“Al layered double hydroxides intercalated with citrate, malate, and tartrate. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2010, 355, 172-177.	2.3	39
39	Treatment of hydrochloric acid with magnesiumâ€“aluminum oxide at ambient temperatures. Separation and Purification Technology, 2006, 51, 272-276.	3.9	38
40	Uptake of Sc3+ and La3+ from aqueous solution using ethylenediaminetetraacetate-intercalated Cuâ€“Al layered double hydroxide reconstructed from Cuâ€“Al oxide. Solid State Sciences, 2011, 13, 366-371.	1.5	38
41	Antibacterial effect of thiocyanate substituted poly(vinyl chloride). Journal of Polymer Research, 2011, 18, 945-947.	1.2	38
42	High-value products from the catalytic hydrolysis of polycarbonate waste. Polymer Journal, 2010, 42, 438-442.	1.3	37
43	Equilibrium and kinetics studies on As(V) and Sb(V) removal by Fe2+-doped Mgâ€“Al layered double hydroxides. Journal of Environmental Management, 2015, 151, 303-309.	3.8	37
44	Catalytic Pyrolysis of Poly(ethylene terephthalate) in the Presence of Metal Oxides for Aromatic Hydrocarbon Recovery Using Tandem Î¼-Reactor-GC/MS. Energy & Fuels, 2020, 34, 2492-2500.	2.5	37
45	Removal of HCl, SO2, and NO by treatment of acid gas with Mgâ€“Al oxide slurry. Chemosphere, 2011, 82, 587-591.	4.2	36
46	Removal of lead from cathode ray tube funnel glass by chloride volatilization. International Journal of Environmental Science and Technology, 2014, 11, 959-966.	1.8	36
47	Removal of boron and fluoride in wastewater using Mg-Al layered double hydroxide and Mg-Al oxide. Journal of Environmental Management, 2017, 188, 58-63.	3.8	36
48	New treatment method for boron in aqueous solutions using Mgâ€“Al layered double hydroxide: Kinetics and equilibrium studies. Journal of Hazardous Materials, 2015, 293, 54-63.	6.5	35
49	A combined kinetic and thermodynamic approach for interpreting the complex interactions during chloride volatilization of heavy metals in municipal solid waste fly ash. Waste Management, 2019, 87, 204-217.	3.7	35
50	Simultaneous Recovery of Benzene-Rich Oil and Metals by Steam Pyrolysis of Metal-Poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	4.6	34
51	Ball Mill-Assisted Dechlorination of Flexible and Rigid Poly(vinyl chloride) in NaOH/EG Solution. Industrial & Engineering Chemistry Research, 2008, 47, 8619-8624.	1.8	33
52	Effects of steam on the thermal dehydrochlorination of poly(vinyl chloride) resin and flexible poly(vinyl chloride) under atmospheric pressure. Polymer Degradation and Stability, 2015, 117, 8-15.	2.7	33
53	Practical dechlorination of polyvinyl chloride wastes in NaOH/ethylene glycol using an up-scale ball mill reactor and validation by discrete element method simulations. Waste Management, 2019, 99, 31-41.	3.7	33
54	Dechlorination of poly(vinylidene chloride) in NaOH/ethylene glycol as a function of NaOH concentration, temperature, and solvent. Polymer Degradation and Stability, 2008, 93, 1979-1984.	2.7	32

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55	Preparation and characterization of Mgâ€“Al layered double hydroxides intercalated with benzenesulfonate and benzenedisulfonate. Microporous and Mesoporous Materials, 2008, 114, 410-415.	2.2	32
56	Removal of hydrogen chloride from gaseous streams using magnesiumâ€“aluminum oxide. Chemosphere, 2008, 73, 844-847.	4.2	32
57	Adsorption of Cu2+ and Ni2+ by tripolyphosphate-crosslinked chitosan-modified montmorillonite. Journal of Solid State Chemistry, 2019, 277, 143-148.	1.4	32
58	Dehydrochlorination behavior of a chloride ion-intercalated hydrotalcite-like compound during thermal decomposition. Applied Clay Science, 2007, 35, 173-179.	2.6	31
59	Alkaline hydrolysis of PVC-coated PET fibers for simultaneous recycling of PET and PVC. Journal of Material Cycles and Waste Management, 2018, 20, 439-449.	1.6	30
60	Simultaneous recovery of H2-rich syngas and removal of HCN during pyrolytic recycling of polyurethane by Ni/Mg/Al catalysts. Chemical Engineering Journal, 2019, 361, 408-415.	6.6	30
61	Lactic acid as a substrate for fermentative hydrogen production. International Journal of Hydrogen Energy, 2012, 37, 16967-16973.	3.8	29
62	Removal of arsenic from an aqueous solution by coprecipitation with manganese oxide. Journal of Environmental Chemical Engineering, 2014, 2, 2045-2049.	3.3	29
63	Adsorption isotherms and kinetics of arsenic removal from aqueous solution by Mgâ€“Al layered double hydroxide intercalated with nitrate ions. Reaction Kinetics, Mechanisms and Catalysis, 2017, 120, 703-714.	0.8	29
64	Niâ€“Al layered double hydroxides modified with citrate, malate, and tartrate: Preparation by coprecipitation and uptake of Cu2+ from aqueous solution. Journal of Physics and Chemistry of Solids, 2011, 72, 846-851.	1.9	28
65	Preparation of Cuâ€“Al layered double hydroxide intercalated with ethylenediaminetetraacetate by coprecipitation and its uptake of rare earth ions from aqueous solution. Solid State Sciences, 2013, 17, 28-34.	1.5	28
66	A novel process for the removal of bromine from styrene polymers containing brominated flame retardant. Polymer Degradation and Stability, 2015, 112, 86-93.	2.7	28
67	Pyrolysis of sugarcane bagasse pretreated with sulfuric acid. Journal of the Energy Institute, 2019, 92, 1149-1157.	2.7	28
68	Beech Wood Pyrolysis in Polyethylene Melt as a Means of Enhancing Levoglucosan and Methoxyphenol Production. Scientific Reports, 2019, 9, 1955.	1.6	28
69	Temperature-dependent pyrolysis behavior of polyurethane elastomers with different hard- and soft-segment compositions. Journal of Analytical and Applied Pyrolysis, 2020, 145, 104754.	2.6	28
70	Impact of Common Plastics on Cellulose Pyrolysis. Energy & Fuels, 2019, 33, 6837-6841.	2.5	26
71	Removal of antimonate ions and simultaneous formation of a brandholzite-like compound from magnesiumâ€“aluminum oxide. Separation and Purification Technology, 2011, 80, 235-239.	3.9	25
72	Recovery of glass fibers from glass fiber reinforced plastics by pyrolysis. Journal of Material Cycles and Waste Management, 2013, 15, 122-128.	1.6	25

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73	Pyrolysis versus hydrolysis behavior during steam decomposition of polyesters using ¹⁸O-labeled steam. RSC Advances, 2015, 5, 61828-61837.	1.7	25
74	Treatment of hydrochloric acid using Mgâ€“Al layered double hydroxide intercalated with carbonate. Journal of Industrial and Engineering Chemistry, 2016, 39, 21-26.	2.9	25
75	Effectiveness of Mgâ€“Al-layered double hydroxide for heavy metal removal from mine wastewater and sludge volume reduction. International Journal of Environmental Science and Technology, 2018, 15, 263-272.	1.8	25
76	Impact of brominated flame retardants on the thermal degradation of high-impact polystyrene. Polymer Degradation and Stability, 2013, 98, 306-315.	2.7	24
77	Uptake of Bisphenol A from Aqueous Solution by Mg–Al-Layered Double Hydroxides Intercalated with 2-Naphthalene Sulfonate and 2,6-Naphthalene Disulfonate. Materials Transactions, 2007, 48, 2225-2229.	0.4	23
78	Preparation of Mgâ€“Al layered double hydroxides intercalated with alkyl sulfates and investigation of their capacity to take up N,N-dimethylaniline from aqueous solutions. Solid State Sciences, 2009, 11, 2060-2064.	1.5	23
79	Decomposition of Gaseous Terephthalic Acid in the Presence of CaO. Industrial & Engineering Chemistry Research, 2011, 50, 1831-1836.	1.8	23
80	Removal of toxic HCN and recovery of H2-rich syngas via catalytic reforming of product gas from gasification of polyimide over Ni/Mg/Al catalysts. Journal of Analytical and Applied Pyrolysis, 2017, 123, 330-339.	2.6	23
81	Diagnosing chlorine industrial metabolism by evaluating the potential of chlorine recovery from polyvinyl chloride wastesâ€”A case study in Japan. Resources, Conservation and Recycling, 2018, 133, 354-361.	5.3	23
82	Removal of tetrafluoroborate ion from aqueous solution using magnesiumâ€“aluminum oxide produced by the thermal decomposition of a hydrotalcite-like compound. Chemosphere, 2007, 69, 832-835.	4.2	22
83	Treatment of gaseous hydrogen chloride using Mgâ€“Al layered double hydroxide intercalated with carbonate ion. Chemosphere, 2010, 81, 658-662.	4.2	22
84	Use of Mgâ€“Al oxide for boron removal from an aqueous solution in rotation: Kinetics and equilibrium studies. Journal of Environmental Management, 2016, 165, 280-285.	3.8	22
85	Separation of copper and polyvinyl chloride from thin waste electric cables: A combined PVC-swelling and centrifugal approach. Waste Management, 2019, 89, 27-36.	3.7	22
86	Dehydrochlorination behavior of polychloroprene during thermal degradation. Thermochimica Acta, 2008, 476, 28-32.	1.2	21
87	Metal recovery from wire scrap via a chloride volatilization process: Poly(vinyl chloride) derived chlorine as volatilization agent. Thermochimica Acta, 2013, 562, 65-69.	1.2	21
88	Lead removal from cathode ray tube glass by the action of calcium hydroxide and poly(vinyl chloride). Thermochimica Acta, 2014, 596, 49-55.	1.2	21
89	Kinetics and equilibrium studies on Mgâ€“Al oxide for removal of fluoride in aqueous solution and its use in recycling. Journal of Environmental Management, 2015, 156, 252-256.	3.8	21
90	Simultaneous recovery of high-purity copper and polyvinyl chloride from thin electric cables by plasticizer extraction and ball milling. RSC Advances, 2018, 8, 6893-6903.	1.7	21

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91	Impacts of Pyrolytic Interactions during the Co-pyrolysis of Biomass/Plastic: Synergies in Lignocellulose-Polyethylene System. Nihon Enerugi Gakkaishi/Journal of the Japan Institute of Energy, 2019, 98, 202-219.	0.2	21
92	Kinetics of the dehydrochlorination of poly(vinyl chloride) in the presence of NaOH and various diols as solvents. Polymer Degradation and Stability, 2009, 94, 1595-1597.	2.7	20
93	Electrodialysis for NaCl/EG solution using ion-exchange membranes. Journal of Material Cycles and Waste Management, 2013, 15, 111-114.	1.6	20
94	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). Nano Structures Nano Objects, 2021, 25, 100656.	1.9	20
95	Efficient dehalogenation of automobile shredder residue in NaOH/ethylene glycol using a ball mill. Chemosphere, 2009, 74, 287-292.	4.2	19
96	Selective Uptake of Aromatic Compounds from Aqueous Solutions by Mgâ€“Al Layered Double Hydroxide Intercalated with 2,7-Naphthalenedisulfonate. Chemistry Letters, 2009, 38, 522-523.	0.7	19
97	Recovery of benzene-rich oil from the degradation of metal- and metal oxide-containing poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Over	1.6	19
98	Deducing targets of emerging technologies based on ex ante life cycle thinking: Case study on a chlorine recovery process for polyvinyl chloride wastes. Resources, Conservation and Recycling, 2019, 151, 104500.	5.3	19
99	Separation mechanism of polyvinyl chloride and copper components from swollen electric cables by mechanical agitation. Waste Management, 2019, 93, 54-62.	3.7	19
100	Enhancement of gasification and liquefaction during fast co-pyrolysis of cedar wood and polyethylene through control of synergistic interactions. Bioresource Technology Reports, 2020, 11, 100431.	1.5	19
101	Dehydrochlorination of poly(vinyl chloride) with Ca(OH)2 in ethylene glycol and the effect of ball milling. Journal of Polymer Research, 2011, 18, 1687-1691.	1.2	18
102	Treatment of Cr(VI) in aqueous solution by Niâ€“Al and Coâ€“Al layered double hydroxides: Equilibrium and kinetic studies. Journal of Water Process Engineering, 2015, 8, e75-e80.	2.6	18
103	Pyrolysis and hydrolysis behaviors during steam pyrolysis of polyimide. Journal of Analytical and Applied Pyrolysis, 2016, 120, 75-81.	2.6	18
104	Uptake of Ni2+ and Cu2+ by Znâ€“Al layered double hydroxide intercalated with carboxymethyl-modified cyclodextrin: Equilibrium and kinetic studies. Materials Chemistry and Physics, 2019, 233, 288-295.	2.0	18
105	Treatment of HCl gas by cyclic use of Mgâ€“Al layered double hydroxide intercalated with CO32-. Atmospheric Pollution Research, 2020, 11, 290-295.	1.8	18
106	Preparation of organic acid anion-modified magnesium hydroxides by coprecipitation: A novel material for the uptake of heavy metal ions from aqueous solutions. Journal of Physics and Chemistry of Solids, 2009, 70, 1104-1108.	1.9	17
107	Chemical modification of flexible and rigid poly(vinyl chloride) by nucleophilic substitution with thiocyanate using a phase-transfer catalyst. Materials Chemistry and Physics, 2010, 124, 163-167.	2.0	17
108	Uptake of Nd³⁺ and Sr²⁺ by Liâ€“Al layered double hydroxide intercalated with triethylenetetramine-hexaacetic acid: kinetic and equilibrium studies. RSC Advances, 2015, 5, 79447-79455.	1.7	17

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109	Uptake of Nd 3+ and Sr 2+ by Li Al layered double hydroxides intercalated with ethylenediaminetetraacetate. Materials Chemistry and Physics, 2016, 177, 8-11.	2.0	17
110	Enhanced production of phenol and debromination by co-pyrolysis of the non-metallic fraction of printed circuit boards and waste tires. Green Chemistry, 2021, 23, 6392-6404.	4.6	17
111	Steam Pyrolysis of Polyimides: Effects of Steam on Raw Material Recovery. Environmental Science & Technology, 2015, 49, 13558-13565.	4.6	16
112	Effect of H2O2 on the treatment of NO and NO2 using a Mgâ€“Al oxide slurry. Chemosphere, 2015, 120, 378-382.	4.2	16
113	Hydrothermal synthesis of hardened diatomite-based adsorbents with analcime formation for methylene blue adsorption. RSC Advances, 2016, 6, 26765-26774.	1.7	16
114	Validation of a deplasticizerâ€“ball milling method for separating Cu and PVC from thin electric cables: A simulation and experimental approach. Waste Management, 2018, 82, 220-230.	3.7	16
115	Uptake of heavy metal cations by chitosan-modified montmorillonite: Kinetics and equilibrium studies. Materials Chemistry and Physics, 2019, 236, 121784.	2.0	16
116	Synergistic effects during co-pyrolysis of milled wood lignin and polyolefins at the gas phase and liquid/solid phase contacting modes. Chemical Engineering Journal, 2022, 431, 134030.	6.6	16
117	Dehydrochlorination and recovery of hydrochloric acid by thermal treatment of a chloride ion-intercalated hydrotalcite-like compound. Applied Clay Science, 2007, 37, 215-219.	2.6	15
118	Preparation of Mgâ€“Al Layered Double Hydroxide Intercalated with 2,7-Naphthalene Disulfonate and Its Selective Uptake of Aromatic Compounds from Aqueous Solutions. Bulletin of the Chemical Society of Japan, 2009, 82, 1436-1440.	2.0	15
119	Upgrading of poly(vinyl chloride) by chemical modifications using sodium sulfide. Journal of Material Cycles and Waste Management, 2010, 12, 264-270.	1.6	15
120	Improvement of the Benzene Yield During Pyrolysis of Terephthalic Acid Using a CaO Fixed-Bed Reactor. Industrial & Engineering Chemistry Research, 2011, 50, 6594-6600.	1.8	15
121	Hydrolytic degradation of poly(ethylene terephthalate) in a pyrolytic two step process to obtain benzene rich oil. Journal of Applied Polymer Science, 2011, 120, 3687-3694.	1.3	15
122	Mechanism and kinetics of aqueous boron removal using MgO. Journal of Water Process Engineering, 2018, 26, 237-241.	2.6	15
123	Mgâ^'Al layered double hydroxide intercalated with CO32â€“ and its recyclability for treatment of SO2. Applied Clay Science, 2019, 183, 105349.	2.6	15
124	Heavy metal removal from municipal solid waste fly ash through chloride volatilization using poly(vinyl chloride) as chlorinating agent. Journal of Material Cycles and Waste Management, 2020, 22, 1270-1283.	1.6	15
125	Combining pyrolysisâ€“two-dimensional gas chromatographyâ€“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. Chemical Engineering Research and Design, 2020, 143, 91-100.	2.7	15
126	Facile method for treating Zn, Cd, and Pb in mining wastewater by the formation of Mgâ€“Al layered double hydroxide. International Journal of Environmental Science and Technology, 2020, 17, 3023-3032.	1.8	15

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127	Prediction of pyrolyzate yields by response surface methodology: A case study of cellulose and polyethylene co-pyrolysis. Bioresource Technology, 2021, 337, 125435.	4.8	15
128	Effect of heating rate on the pyrolysis of high-impact polystyrene containing brominated flame retardants: fate of brominated flame retardants. Journal of Material Cycles and Waste Management, 2012, 14, 259-265.	1.6	14
129	Preparation of Znâ€“Al layered double hydroxide intercalated with triethylenetetramine-hexaacetic acid by coprecipitation: uptake of rare-earth metal ions from aqueous solutions. RSC Advances, 2014, 4, 45995-46001.	1.7	14
130	Thermal decomposition of SO4 2â^'-intercalated Mgâ€“Al layered double hydroxide. Journal of Thermal Analysis and Calorimetry, 2012, 110, 641-646.	2.0	13
131	Removal of chloride from ethylene glycol solution using alumina/zeolite membrane as a physical boundary between the organic and aqueous phases. Journal of Material Cycles and Waste Management, 2013, 15, 404-408.	1.6	13
132	Selective phenol recovery via simultaneous hydrogenation/dealkylation of isopropyl- and isopropenyl-phenols employing an H2 generator combined with tandem micro-reactor GC/MS. Scientific Reports, 2018, 8, 13994.	1.6	13
133	Kinetics of Cr(VI) removal by Mgâ€“Al layered double hydroxide doped with Fe2+. Journal of Water Process Engineering, 2014, 4, 134-136.	2.6	12
134	Equilibrium and kinetic studies of Se(<scp>vi</scp>) removal by Mgâ€“Al layered double hydroxide doped with Fe²⁺. RSC Advances, 2014, 4, 61817-61822.	1.7	12
135	Simultaneous removal of Clâ^' and SO4 2â^' from seawater using Mgâ^'Al oxide: kinetics and equilibrium studies. Applied Water Science, 2017, 7, 129-136.	2.8	12
136	Effect of preparation method on particle properties of carbonate-type magnesiumâ€“aluminum layered double hydroxides. Journal of Industrial and Engineering Chemistry, 2017, 53, 105-110.	2.9	12
137	Treatment of NOx using recyclable CO32--intercalated Mgâ€“Al layered double hydroxide. Atmospheric Pollution Research, 2019, 10, 1866-1872.	1.8	12
138	Application of Mgâ€“Al layered double hydroxide for treating acidic mine wastewater: a novel approach to sludge reduction. Chemistry and Ecology, 2019, 35, 128-142.	0.6	12
139	Influence of CO2 gas on the rate and kinetics of HCl, SO2, and NO2 gas removal by Mg-Al layered double hydroxide intercalated with CO32â^'. Applied Clay Science, 2020, 195, 105725.	2.6	12
140	Impact of Ni/Mg/Al Catalyst Composition on Simultaneous H₂-Rich Syngas Recovery and Toxic HCN Removal through a Two-Step Polyurethane Pyrolysis and Steam Reforming Process. Industrial & Engineering Chemistry Research, 2020, 59, 9023-9033.	1.8	12
141	Adsorption of urea, creatinine, and uric acid from three solution types using spherical activated carbon and its recyclability. Chinese Journal of Chemical Engineering, 2020, 28, 2993-3001.	1.7	12
142	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. Inorganic Chemistry Communication, 2021, 132, 108839.	1.8	12
143	Synthesis of Hydrotalcite from Seawater and Its Application to Phosphorus Removal. Phosphorus, Sulfur and Silicon and the Related Elements, 2002, 177, 1503-1506.	0.8	11
144	Chemical modification and dechlorination of polyvinyl chloride by substitution with thiocyanate as a nucleophile. Polymer Engineering and Science, 2010, 50, 69-75.	1.5	11

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145	Kinetic and equilibrium studies on the treatment of nitric acid with Mgâ€“Al oxide obtained by thermal decomposition of <mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML"	5.0	11
146	Equilibrium and kinetics studies on the adsorption of substituted phenols by a Cuâ€“Al layered double hydroxide intercalated with 1-naphthol-3,8-disulfonate. Journal of Alloys and Compounds, 2016, 670, 322-328.	2.8	11
147	Simultaneous treatment of HClâ€“SO2â€“NOx gas with Mgâ€“Al layered double hydroxide intercalated with CO32â^' and its recycling process. International Journal of Environmental Science and Technology, 2020, 17, 1179-1184.	1.8	11
148	Synthesis of MnO2/Mg-Al layered double hydroxide and evaluation of its NO-removal performance. Journal of Alloys and Compounds, 2021, 867, 159038.	2.8	11
149	Effect of a phase-transfer catalyst on the chemical modification of poly(vinyl chloride) by substitution with thiocyanate as a nucleophile. Materials Chemistry and Physics, 2009, 118, 362-366.	2.0	10
150	Preparation of Mgâ€“Al layered double hydroxides intercalated with 1,3,6-naphthalenetrisulfonate and 3-amino-2,7-naphthalenedisulfonate and assessment of their selective uptake of aromatic compounds from aqueous solutions. Solid State Sciences, 2010, 12, 946-951.	1.5	10
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