

Toshiaki Yoshioka

List of Publications by Year in descending order

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267
papers

6,903
citations

66234

42
h-index

114278

63
g-index

269
all docs

269
docs citations

269
times ranked

4886
citing authors

#	ARTICLE	IF	CITATIONS
1	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, 12-23.	1.6	4
2	Exhaust gas treatment using MnO ₂ /Mg-Al layered double hydroxide: Assessment of its mixed gas removal performance and regeneration. <i>Chemical Engineering Research and Design</i> , 2022, 178, 602-608.	2.7	3
3	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.	6.6	16
4	New insights into the capture performance and mechanism of hazardous metals Cr ³⁺ and Cd ²⁺ onto an effective layered double hydroxide based material. <i>Journal of Hazardous Materials</i> , 2022, 426, 128062.	6.5	155
5	Study of dynamics and mechanism of HCl, SO ₂ , or NO removal by MnO ₂ /Mg-Al layered double hydroxide. <i>Inorganic Chemistry Communication</i> , 2022, 135, 109108.	1.8	3
6	Improving levoglucosan and hydrocarbon production through gas-phase synergy during cellulose and polyolefin co-pyrolysis. <i>Sustainable Energy and Fuels</i> , 2022, 6, 1469-1478.	2.5	5
7	Comparison of Mg-Al layered double hydroxides intercalated with OH ⁻ and CO ₃ ²⁻ for the removal of HCl, SO ₂ , and NO ₂ . <i>Journal of Porous Materials</i> , 2022, 29, 723-728.	1.3	5
8	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.	6.5	9
9	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.	0.9	1
10	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, 918, 165537.	2.8	2
11	Evaluation of Keratin-Cellulose Blend Fibers as Precursors for Carbon Fibers. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 8314-8325.	3.2	3
12	Preparation of Zn-Al 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.	0.8	5
13	Synthesis of layered double hydroxide nanosheets in an aqueous solvent and their Ni ²⁺ uptake characteristics. <i>Applied Clay Science</i> , 2021, 200, 105911.	2.6	8
14	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.	1.7	5
15	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.	2.3	6
16	Low-temperature catalytic upgrading of waste polyolefinic plastics into liquid fuels and waxes. <i>Applied Catalysis B: Environmental</i> , 2021, 285, 119805.	10.8	137
17	Regeneration of carbonate-intercalated Mg-Al layered double hydroxides (CO ₃ -Mg-Al LDHs) by CO ₂ -induced desorption of anions (X) from X-Mg-Al LDH (X = Cl, SO ₄ , or NO ₃): A kinetic study. <i>Chemical Engineering Research and Design</i> , 2021, 165, 207-213.	2.7	4
18	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.	4.6	17

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19	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.	0.7	4
20	One-pot wet ball-milling for waste wire-harness recycling. <i>Journal of Material Cycles and Waste Management</i> , 2021, 23, 461-469.	1.6	9
21	Latest Trends in Pyrolysis Gas Chromatography for Analytical and Applied Pyrolysis of Plastics. <i>Analytical Sciences</i> , 2021, 37, 145-157.	0.8	24
22	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.	1.9	20
23	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.	1.6	4
24	Mitigation of bromine-containing products during pyrolysis of polycarbonate-based tetrabromobisphenol A in the presence of copper(I) oxide. <i>Journal of Hazardous Materials</i> , 2021, 409, 124972.	6.5	12
25	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.	2.8	11
26	Kinetics and adsorption isotherm of ammonia uptake by cation exchange resins and treatment of mixed aqueous lactate-ammonia by Mg-Al layered double oxide and the resins. <i>Journal of Water Process Engineering</i> , 2021, 41, 102027.	2.6	1
27	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.	2.3	5
28	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.	2.7	9
29	Chemical Feedstock Recovery from Hard-to-Recycle Plastics through Pyrolysis-Based Approaches and Pyrolysis-Gas Chromatography. <i>Bulletin of the Chemical Society of Japan</i> , 2021, 94, 2370-2380.	2.0	10
30	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, 98, 100185.	1.3	8
31	Prediction of pyrolyzate yields by response surface methodology: A case study of cellulose and polyethylene co-pyrolysis. <i>Bioresource Technology</i> , 2021, 337, 125435.	4.8	15
32	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.	1.8	12
33	Evolution of carbon nanostructure during pyrolysis of homogeneous chitosan-cellulose composite fibers. <i>Carbon</i> , 2021, 185, 27-38.	5.4	16
34	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.	3.2	8
35	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.	1.8	18
36	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.	1.8	7

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37	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.	2.6	28
38	Catalytic Pyrolysis of Poly(ethylene terephthalate) in the Presence of Metal Oxides for Aromatic Hydrocarbon Recovery Using Tandem $\frac{1}{4}$ -Reactor-GC/MS. <i>Energy & Fuels</i> , 2020, 34, 2492-2500.	2.5	37
39	A new strategy for CO ₂ utilization with waste plastics: conversion of hydrogen carbonate into formate using polyvinyl chloride in water. <i>Green Chemistry</i> , 2020, 22, 352-358.	4.6	26
40	Adsorption of Cu ²⁺ and Ni ²⁺ by oxalic acid-crosslinked chitosan-modified montmorillonite. <i>Soft Materials</i> , 2020, 18, 411-420.	0.8	0
41	Adsorption of urea, creatinine, and uric acid onto spherical activated carbon. <i>Separation and Purification Technology</i> , 2020, 237, 116367.	3.9	45
42	Adsorption of SeO ₄ ²⁻ by delaminated Mg-Al layered double hydroxide nanosheets. <i>Inorganic Chemistry Communication</i> , 2020, 122, 108266.	1.8	7
43	Direct Gas-Phase Derivatization by Employing Tandem $\frac{1}{4}$ -Reactor-Gas Chromatography/Mass Spectrometry: Case Study of Trifluoroacetylation of 4,4'-Methylenedianiline. <i>Analytical Chemistry</i> , 2020, 92, 14924-14929.	3.2	9
44	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.	1.9	8
45	Close Packing of Cellulose and Chitosan in Regenerated Cellulose Fibers Improves Carbon Yield and Structural Properties of Respective Carbon Fibers. <i>Biomacromolecules</i> , 2020, 21, 4326-4335.	2.6	30
46	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.	2.4	5
47	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.	1.6	4
48	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.	1.5	19
49	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.	0.9	2
50	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.	1.6	15
51	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.	1.6	8
52	Treatment of NO by a combination of MnO ₂ and a CO ₃ ²⁻ -intercalated Mg-Al layered double hydroxide. <i>SN Applied Sciences</i> , 2020, 2, 1.	1.5	7
53	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 ²⁻ . <i>Applied Clay Science</i> , 2020, 195, 105725.	2.6	12
54	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.	2.7	15

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55	Adsorption of various metals by carboxymethyl- β -cyclodextrin-modified Zn Al layered double hydroxides. <i>Applied Clay Science</i> , 2020, 187, 105479.	2.6	8
56	Effect of the specific surface area of MgO on the treatment of boron and fluorine. <i>Applied Water Science</i> , 2020, 10, 1.	2.8	2
57	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.	1.8	12
58	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.	1.7	12
59	Latest Trends and Challenges in Feedstock Recycling of Polyolefinic Plastics. <i>Journal of the Japan Petroleum Institute</i> , 2020, 63, 345-364.	0.4	32
60	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, 20112-20122.	1.8	6
61	Pyrolysis of sugarcane bagasse pretreated with sulfuric acid. <i>Journal of the Energy Institute</i> , 2019, 92, 1149-1157.	2.7	28
62	Uptake of heavy metal cations by chitosan-modified montmorillonite: Kinetics and equilibrium studies. <i>Materials Chemistry and Physics</i> , 2019, 236, 121784.	2.0	16
63	Impact of Common Plastics on Cellulose Pyrolysis. <i>Energy & Fuels</i> , 2019, 33, 6837-6841.	2.5	26
64	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.	5.3	19
65	Degradation of PVC waste into a flexible polymer by chemical modification using DINP moieties. <i>RSC Advances</i> , 2019, 9, 28870-28875.	1.7	10
66	Treatment of NO _x using recyclable CO ₂ -intercalated Mg-Al layered double hydroxide. <i>Atmospheric Pollution Research</i> , 2019, 10, 1866-1872.	1.8	12
67	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.	3.7	33
68	Removal of Mn and Cd contained in mine wastewater by Mg-Al-layered double hydroxides. <i>Journal of Material Cycles and Waste Management</i> , 2019, 21, 1232-1241.	1.6	10
69	Uptake of Ni ²⁺ and Cu ²⁺ by Zn-Al layered double hydroxide intercalated with carboxymethyl-modified cyclodextrin: Equilibrium and kinetic studies. <i>Materials Chemistry and Physics</i> , 2019, 233, 288-295.	2.0	18
70	Adsorption of Cu ²⁺ and Ni ²⁺ by tripolyphosphate-crosslinked chitosan-modified montmorillonite. <i>Journal of Solid State Chemistry</i> , 2019, 277, 143-148.	1.4	32
71	Separation mechanism of polyvinyl chloride and copper components from swollen electric cables by mechanical agitation. <i>Waste Management</i> , 2019, 93, 54-62.	3.7	19
72	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.	3.7	22

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73	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.	3.7	35
74	Beech Wood Pyrolysis in Polyethylene Melt as a Means of Enhancing Levoglucosan and Methoxyphenol Production. <i>Scientific Reports</i> , 2019, 9, 1955.	1.6	28
75	Mg~Al layered double hydroxide intercalated with CO ₃ and its recyclability for treatment of SO ₂ . <i>Applied Clay Science</i> , 2019, 183, 105349.	2.6	15
76	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.	6.6	30
77	Application of Mg~Al layered double hydroxide for treating acidic mine wastewater: a novel approach to sludge reduction. <i>Chemistry and Ecology</i> , 2019, 35, 128-142.	0.6	12
78	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.	0.2	21
79	Pyrolysis gases produced from individual and mixed PE, PP, PS, PVC, and PET~Part I: Production and physical properties. <i>Fuel</i> , 2018, 221, 346-360.	3.4	106
80	Pyrolysis gases produced from individual and mixed PE, PP, PS, PVC, and PET~Part II: Fuel characteristics. <i>Fuel</i> , 2018, 221, 361-373.	3.4	44
81	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.	4.2	10
82	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.	1.7	21
83	A novel method to delaminate nitrate-intercalated Mg Al layered double hydroxides in water and application in heavy metals removal from waste water. <i>Chemosphere</i> , 2018, 203, 281-290.	4.2	49
84	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.	1.6	30
85	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.	6.6	57
86	Equilibrium studies of the adsorption of aromatic disulfonates by Mg~Al oxide. <i>Journal of Physics and Chemistry of Solids</i> , 2018, 114, 129-132.	1.9	3
87	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.	5.3	23
88	Mechanism and kinetics of aqueous boron removal using MgO. <i>Journal of Water Process Engineering</i> , 2018, 26, 237-241.	2.6	15
89	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.	1.6	13
90	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.	3.7	16

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91	Analysis of Fâ” removal from aqueous solutions using MgO. Journal of Water Process Engineering, 2018, 25, 54-57.	2.6	6
92	Optimization of separation and logistics for recycling materials from wallpaper hanging sites. Journal of Material Cycles and Waste Management, 2018, 20, 2068-2076.	1.6	4
93	Current Issues and Future Prospects in Plastic Recycling. Material Cycles and Waste Management Research, 2018, 29, 152-162.	0.0	2
94	Simultaneous removal of Clâ” and SO ₄ 2â” from seawater using Mgâ”Al oxide: kinetics and equilibrium studies. Applied Water Science, 2017, 7, 129-136.	2.8	12
95	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
96	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
97	Recycling of PVC pipes and fittings in Japan: proactive approach of industry to and its impacts on legal/technical frameworks. Journal of Material Cycles and Waste Management, 2017, 19, 21-31.	1.6	10
98	Kinetics and equilibrium studies on the uptake of Nd ³⁺ by Znâ”Al layered double hydroxide intercalated with triethylenetetramine-hexaacetic acid. Materials Chemistry and Physics, 2017, 191, 96-98.	2.0	6
99	Fate of bisphenol A pyrolysates at low pyrolytic temperatures. Journal of Analytical and Applied Pyrolysis, 2017, 125, 193-200.	2.6	8
100	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
101	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
102	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
103	New principals on the adsorption of alkyl compound by Mgâ”Al oxide: Adsorption kinetics and equilibrium studies. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 513, 348-354.	2.3	6
104	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
105	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. Journal of Analytical and Applied Pyrolysis, 2017, 123, 330-339.	2.6	23
106	The Latest Trends and Challenges in Research and Development of Plastic Recycling: Feedstock Recycling. Kagaku Kogaku Ronbunshu, 2017, 43, 178-184.	0.1	3
107	Feedstock Recovery through Co-pyrolysis of Wood Biomass/Waste Plastics Mixtures. Material Cycles and Waste Management Research, 2017, 28, 4-12.	0.0	0
108	Feedstock Recycling & via Waste Plastic Pyrolysis. Journal of the Japan Petroleum Institute, 2016, 59, 243-253.	0.4	61

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109	Thermogravimetric Investigation of the Lead Volatilization from Waste Cathode-Ray Tube Glass. Recycling, 2016, 1, 111-121.	2.3	4
110	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
111	Treatment of hydrochloric acid using Mg-Al layered double hydroxide intercalated with carbonate. Journal of Industrial and Engineering Chemistry, 2016, 39, 21-26.	2.9	25
112	Interactions of beech wood-polyethylene mixtures during co-pyrolysis. Journal of Analytical and Applied Pyrolysis, 2016, 122, 531-540.	2.6	65
113	Replacing conventional fuels in USA, Europe, and UK with plastic pyrolysis gases – Part II: Multi-index interchangeability methods. Energy Conversion and Management, 2016, 126, 1128-1145.	4.4	20
114	Replacing conventional fuels in USA, Europe, and UK with plastic pyrolysis gases – Part I: Experiments and graphical interchangeability methods. Energy Conversion and Management, 2016, 126, 1118-1127.	4.4	41
115	Recycling of Waste Chemical Conversion Treatment Sludge to Positive Electrode Material of Lithium-ion Secondary Battery. Journal of the Japan Society of Material Cycles and Waste Management, 2016, 27, 188-195.	0.1	0
116	Pyrolysis and hydrolysis behaviors during steam pyrolysis of polyimide. Journal of Analytical and Applied Pyrolysis, 2016, 120, 75-81.	2.6	18
117	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. Journal of Industrial and Engineering Chemistry, 2016, 36, 96-101.	2.9	8
118	Use of Mg-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
119	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. Applied Surface Science, 2016, 366, 523-528.	3.1	10
120	Hydrothermal synthesis of hardened diatomite-based adsorbents with analcime formation for methylene blue adsorption. RSC Advances, 2016, 6, 26765-26774.	1.7	16
121	Equilibrium and kinetics studies on the adsorption of substituted phenols by a Cu-Al layered double hydroxide intercalated with 1-naphthol-3,8-disulfonate. Journal of Alloys and Compounds, 2016, 670, 322-328.	2.8	11
122	Cu-Al layered double hydroxides intercalated with 1-naphthol-3,8-disulfonate and dodecyl sulfate: adsorption of substituted phenols from aqueous media. New Journal of Chemistry, 2015, 39, 6315-6322.	1.4	10
123	Pyrolysis versus hydrolysis behavior during steam decomposition of polyesters using ¹⁸ O-labeled steam. RSC Advances, 2015, 5, 61828-61837.	1.7	25
124	Steam Pyrolysis of Polyimides: Effects of Steam on Raw Material Recovery. Environmental Science & Technology, 2015, 49, 13558-13565.	4.6	16
125	Equilibrium and kinetics studies on As(V) and Sb(V) removal by Fe ²⁺ -doped Mg-Al layered double hydroxides. Journal of Environmental Management, 2015, 151, 303-309.	3.8	37
126	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

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127	Novel Ni-Mg-Al-Ca catalyst for enhanced hydrogen production for the pyrolysis-gasification of a biomass/plastic mixture. <i>Journal of Analytical and Applied Pyrolysis</i> , 2015, 113, 15-21.	2.6	101
128	Recycling of Waste Plastics. , 2015, , 195-214.		5
129	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.	2.6	64
130	Recyclable Mg-Al layered double hydroxides for fluoride removal: Kinetic and equilibrium studies. <i>Journal of Hazardous Materials</i> , 2015, 300, 475-482.	6.5	62
131	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.	6.5	35
132	Kinetics and equilibrium studies on the removal of aromatic sulfonates from aqueous solution by Mg-Al oxide. <i>New Journal of Chemistry</i> , 2015, 39, 4078-4085.	1.4	4
133	Chemical modification of poly(vinyl chloride) using sodium trisulfide. <i>Journal of Polymer Research</i> , 2015, 22, 1.	1.2	7
134	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.	2.7	33
135	Treatment of Cr(VI) in aqueous solution by Ni-Al and Co-Al layered double hydroxides: Equilibrium and kinetic studies. <i>Journal of Water Process Engineering</i> , 2015, 8, e75-e80.	2.6	18
136	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, 252-256.	3.8	21
137	Uptake of Nd ³⁺ and Sr ²⁺ by Li-Al layered double hydroxide intercalated with triethylenetetramine-hexaacetic acid: kinetic and equilibrium studies. <i>RSC Advances</i> , 2015, 5, 79447-79455.	1.7	17
138	Continuous treatment of boron and fluoride in aqueous solutions using a column loaded with granulated Mg-Al layered double hydroxides intercalated with nitrates. <i>Journal of Water Process Engineering</i> , 2015, 8, 195-201.	2.6	6
139	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.	2.8	2
140	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.	4.8	53
141	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, 378-382.	4.2	16
142	Kinetics of Cr(VI) removal by Mg-Al layered double hydroxide doped with Fe ²⁺ . <i>Journal of Water Process Engineering</i> , 2014, 4, 134-136.	2.6	12
143	Equilibrium and kinetic studies of Se(VI) removal by Mg-Al layered double hydroxide doped with Fe ²⁺ . <i>RSC Advances</i> , 2014, 4, 61817-61822.	1.7	12
144	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.	1.6	6

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145	Recovery of benzene-rich oil from the degradation of metal- and metal oxide-containing poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overl	1.6	19
146	Removal of arsenic from an aqueous solution by coprecipitation with manganese oxide. Journal of Environmental Chemical Engineering, 2014, 2, 2045-2049.	3.3	29
147	Steam Hydrolysis of Poly(bisphenol A carbonate) in a Fluidized Bed Reactor. Industrial & Engineering Chemistry Research, 2014, 53, 4215-4223.	1.8	43
148	Preparation of Zn ²⁺ /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
149	Lead removal from cathode ray tube glass by the action of calcium hydroxide and poly(vinyl chloride). Thermochemica Acta, 2014, 596, 49-55.	1.2	21
150	Developments in an industry-led R&D program for recycling PVC products in Japan. Journal of Material Cycles and Waste Management, 2014, 16, 385-397.	1.6	8
151	Simultaneous Recovery of Benzene-Rich Oil and Metals by Steam Pyrolysis of Metal-Poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overl	4.6	34
152	Hydrogen production from biomass and plastic mixtures by pyrolysis-gasification. International Journal of Hydrogen Energy, 2014, 39, 10883-10891.	3.8	210
153	Preparation of Mg ²⁺ /Al layered double hydroxide doped with Fe ²⁺ and its application to Cr(VI) removal. Separation and Purification Technology, 2014, 122, 12-16.	3.9	54
154	Catalytic Degradation of Poly(ethylene terephthalate) for Benzene-rich Oil Recovery Using Metal Hydroxides. Chemistry Letters, 2014, 43, 637-639.	0.7	8
155	Characteristics of Plastics and Suggestions for a Local Plastic Recycling System. Material Cycles and Waste Management Research, 2014, 25, 124-132.	0.0	0
156	Strategy for separation and treatment of disaster waste: a manual for earthquake and tsunami disaster waste management in Japan. Journal of Material Cycles and Waste Management, 2013, 15, 290-299.	1.6	47
157	Metal recovery from wire scrap via a chloride volatilization process: Poly(vinyl chloride) derived chlorine as volatilization agent. Thermochemica Acta, 2013, 562, 65-69.	1.2	21
158	Simultaneous removal of SO ₂ and NO ₂ using a Mg ²⁺ /Al oxide slurry treatment. Chemosphere, 2013, 93, 2889-2893.	4.2	9
159	Preparation of Cu ²⁺ /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
160	Thermodynamic equilibrium analyses of the uptake of aromatic compounds from an aqueous solution by magnesium ²⁺ /aluminum (Mg ²⁺ /Al) layered double hydroxide intercalated with 1-naphthol-3,8-disulfonate. Solid State Sciences, 2013, 20, 75-79.	1.5	4
161	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
162	Impact of brominated flame retardants on the thermal degradation of high-impact polystyrene. Polymer Degradation and Stability, 2013, 98, 306-315.	2.7	24

#	ARTICLE	IF	CITATIONS
163	Electrodialysis for NaCl/EG solution using ion-exchange membranes. <i>Journal of Material Cycles and Waste Management</i> , 2013, 15, 111-114.	1.6	20
164	Recovery of glass fibers from glass fiber reinforced plastics by pyrolysis. <i>Journal of Material Cycles and Waste Management</i> , 2013, 15, 122-128.	1.6	25
165	Elucidation of the Mechanism of Reaction between $S_{2O_8}^{2-}$, Selenite and Mn^{2+} in Aqueous Solution and Limestone-Gypsum FGD Liquor. <i>Environmental Science & Technology</i> , 2013, 47, 11311-11317.	4.6	18
166	Treatment of NO and NO ₂ with a Mg-Al oxide slurry. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2013, 48, 86-91.	0.9	5
167	A Novel Approach for Determining the Proportions of Pyrolysis and Hydrolysis in the Degradation of Poly(ethylene terephthalate) in ¹⁸ O-Labeled Steam. <i>Chemistry Letters</i> , 2013, 42, 212-214.	0.7	5
168	Preparation of Mg-Al layered double hydroxide intercalated with Coomassie Brilliant Blue R anion and its uptake of aromatic compounds from aqueous solutions. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2012, 47, 2035-2039.	0.9	3
169	Treatment of waste H_2SO_4 with Mg-Al oxide obtained by calcination of NO ₃ ⁻ intercalated Mg-Al layered double hydroxide: Kinetics and equilibrium. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2012, 47, 711-717.	0.9	2
170	A Summary of <I>Strategies for Separation and Treatment of Disaster Waste</I> Manual and Future Directions. <i>Material Cycles and Waste Management Research</i> , 2012, 23, 10-21.	0.0	1
171	Management of the Disaster Waste Treatment by Sendai City. <i>Material Cycles and Waste Management Research</i> , 2012, 23, 31-39.	0.0	1
172	Thermal decomposition of SO ₄ ²⁻ -intercalated Mg-Al layered double hydroxide. <i>Journal of Thermal Analysis and Calorimetry</i> , 2012, 110, 641-646.	2.0	13
173	Removal of antimonate ions from an aqueous solution by anion exchange with magnesium-aluminum layered double hydroxide and the formation of a brandholzite-like structure. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2012, 47, 1146-1151.	0.9	45
174	Effect of heating rate on the pyrolysis of high-impact polystyrene containing brominated flame retardants: fate of brominated flame retardants. <i>Journal of Material Cycles and Waste Management</i> , 2012, 14, 259-265.	1.6	14
175	Lactic acid as a substrate for fermentative hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 16967-16973.	3.8	29
176	Thermal decomposition behavior of Cu-Al layered double hydroxide, and ethylenediaminetetraacetate-intercalated Cu-Al layered double hydroxide reconstructed from Cu-Al oxide for uptake of Y ³⁺ from aqueous solution. <i>Materials Research Bulletin</i> , 2012, 47, 4216-4219.	2.7	10
177	Removal of SO ₂ with a Mg-Al oxide slurry via reconstruction of a Mg-Al layered double hydroxide. <i>Chemosphere</i> , 2012, 88, 250-254.	4.2	9
178	Specific uptake of aromatic compounds from aqueous solution by montmorillonite modified with tetraphenylphosphonium. <i>Journal of Physics and Chemistry of Solids</i> , 2012, 73, 120-123.	1.9	6
179	Current Status and Planning for Disaster Waste Treatment in Miyagi Prefecture. <i>Material Cycles and Waste Management Research</i> , 2012, 23, 421-428.	0.0	0
180	Improvement of the Benzene Yield During Pyrolysis of Terephthalic Acid Using a CaO Fixed-Bed Reactor. <i>Industrial & Engineering Chemistry Research</i> , 2011, 50, 6594-6600.	1.8	15

#	ARTICLE	IF	CITATIONS
181	Pyrolysis of Mixed Plastics in a Fluidized Bed of Hard Burnt Lime. <i>Industrial & Engineering Chemistry Research</i> , 2011, 50, 5459-5466.	1.8	45
182	Decomposition of Gaseous Terephthalic Acid in the Presence of CaO. <i>Industrial & Engineering Chemistry Research</i> , 2011, 50, 1831-1836.	1.8	23
183	Uptake of Sc ³⁺ and La ³⁺ from aqueous solution using ethylenediaminetetraacetate-intercalated Cu-Al layered double hydroxide reconstructed from Cu-Al oxide. <i>Solid State Sciences</i> , 2011, 13, 366-371.	1.5	38
184	Treatment of gaseous hydrochloric acid with magnesium-aluminum oxide using batch operation. <i>Desalination</i> , 2011, 280, 424-427.	4.0	4
185	Removal of HCl, SO ₂ , and NO by treatment of acid gas with Mg-Al oxide slurry. <i>Chemosphere</i> , 2011, 82, 587-591.	4.2	36
186	TG-MS investigation of brominated products from the degradation of brominated flame retardants in high-impact polystyrene. <i>Chemosphere</i> , 2011, 85, 368-373.	4.2	46
187	Antibacterial effect of thiocyanate substituted poly(vinyl chloride). <i>Journal of Polymer Research</i> , 2011, 18, 945-947.	1.2	38
188	Dehydrochlorination of poly(vinyl chloride) with Ca(OH) ₂ in ethylene glycol and the effect of ball milling. <i>Journal of Polymer Research</i> , 2011, 18, 1687-1691.	1.2	18
189	Feedstock recycling of waste polymeric material. <i>Journal of Material Cycles and Waste Management</i> , 2011, 13, 265-282.	1.6	58
190	Ni-Al layered double hydroxides modified with citrate, malate, and tartrate: Preparation by coprecipitation and uptake of Cu ²⁺ from aqueous solution. <i>Journal of Physics and Chemistry of Solids</i> , 2011, 72, 846-851.	1.9	28
191	Effect of temperature management on the hydrolytic degradation of PET in a calcium oxide filled tube reactor. <i>Chemical Engineering Journal</i> , 2011, 166, 523-528.	6.6	47
192	Effect of the nucleophilicity and solvent on the chemical modification of flexible poly(vinyl chloride) by substitution. <i>Polymer Engineering and Science</i> , 2011, 51, 1108-1115.	1.5	6
193	Hydrolytic degradation of poly(ethylene terephthalate) in a pyrolytic two step process to obtain benzene rich oil. <i>Journal of Applied Polymer Science</i> , 2011, 120, 3687-3694.	1.3	15
194	Kinetics and equilibrium studies on the treatment of nitric acid with Mg-Al oxide obtained by thermal decomposition of  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" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb. <i>Journal of Colloid and Interface</i>	5.0	11
195	Removal of antimonate ions and simultaneous formation of a brandholzite-like compound from magnesium-aluminum oxide. <i>Separation and Purification Technology</i> , 2011, 80, 235-239.	3.9	25
196	Determination of Total Fluoride in Boron-containing Solutions. <i>Analytical Sciences</i> , 2010, 26, 603-606.	0.8	3
197	Formation and decomposition of tetrafluoroborate ions in the presence of aluminum. <i>Journal of Material Cycles and Waste Management</i> , 2010, 12, 136-146.	1.6	12
198	Upgrading of poly(vinyl chloride) by chemical modifications using sodium sulfide. <i>Journal of Material Cycles and Waste Management</i> , 2010, 12, 264-270.	1.6	15

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199	Effect of compatibility between solvent and poly(vinyl chloride) on dechlorination of poly(vinyl) Tj ETQq1 1 0.784314 rgBT /Oyerlock 10	1.2	10
200	Chemical modification of flexible and rigid poly(vinyl chloride) by nucleophilic substitution with thiocyanate using a phase-transfer catalyst. <i>Materials Chemistry and Physics</i> , 2010, 124, 163-167.	2.0	17
201	Effect of intercalated aromatic sulfonates on uptake of aromatic compounds from aqueous solutions by modified Mg ²⁺ -Al layered double hydroxide. <i>Materials Research Bulletin</i> , 2010, 45, 751-753.	2.7	7
202	Preparation of Mg ²⁺ -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. <i>Solid State Sciences</i> , 2010, 12, 946-951.	1.5	10
203	Treatment of gaseous hydrogen chloride using Mg ²⁺ -Al layered double hydroxide intercalated with carbonate ion. <i>Chemosphere</i> , 2010, 81, 658-662.	4.2	22
204	Chemical modification of rigid poly(vinyl chloride) by the substitution with nucleophiles. <i>Journal of Applied Polymer Science</i> , 2010, 116, 36-44.	1.3	40
205	Kinetic studies of the decomposition of flame retardant containing high-impact polystyrene. <i>Polymer Degradation and Stability</i> , 2010, 95, 1129-1137.	2.7	54
206	Sodium hydroxide-assisted dechlorination of a poly(vinylidene chloride)-containing wrapping film in ethylene glycol solution. <i>Polymer Degradation and Stability</i> , 2010, 95, 2663-2665.	2.7	2
207	Elimination behavior of nitrogen oxides from a NO ₃ ⁻ -intercalated Mg ²⁺ -Al layered double hydroxide during thermal decomposition. <i>Thermochimica Acta</i> , 2010, 499, 106-110.	1.2	45
208	Kinetics of uptake of Cu ²⁺ and Cd ²⁺ by Mg ²⁺ -Al layered double hydroxides intercalated with citrate, malate, and tartrate. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2010, 355, 172-177.	2.3	39
209	Chemical modification and dechlorination of polyvinyl chloride by substitution with thiocyanate as a nucleophile. <i>Polymer Engineering and Science</i> , 2010, 50, 69-75.	1.5	11
210	High-value products from the catalytic hydrolysis of polycarbonate waste. <i>Polymer Journal</i> , 2010, 42, 438-442.	1.3	37
211	Preparation of Mg ²⁺ -Al layered double hydroxides intercalated with alkyl sulfates and investigation of their capacity to take up N,N-dimethylaniline from aqueous solutions. <i>Solid State Sciences</i> , 2009, 11, 2060-2064.	1.5	23
212	Effect of a phase-transfer catalyst on the chemical modification of poly(vinyl chloride) by substitution with thiocyanate as a nucleophile. <i>Materials Chemistry and Physics</i> , 2009, 118, 362-366.	2.0	10
213	Hybrid inorganic/organic composites of Mg ²⁺ -Al layered double hydroxides intercalated with citrate, malate, and tartrate prepared by co-precipitation. <i>Materials Research Bulletin</i> , 2009, 44, 840-845.	2.7	41
214	Dechlorination of polyvinyl chloride in NaOH/ethylene glycol solution by microwave heating. <i>Journal of Material Cycles and Waste Management</i> , 2009, 11, 19-22.	1.6	9
215	Recovery of indium from In ₂ O ₃ and liquid crystal display powder via a chloride volatilization process using polyvinyl chloride. <i>Thermochimica Acta</i> , 2009, 493, 105-108.	1.2	97
216	Chemical modification of poly(vinyl chloride) by nucleophilic substitution. <i>Polymer Degradation and Stability</i> , 2009, 94, 107-112.	2.7	69

#	ARTICLE	IF	CITATIONS
217	Pyrolytic hydrolysis of polycarbonate in the presence of earth-alkali oxides and hydroxides. <i>Polymer Degradation and Stability</i> , 2009, 94, 1119-1124.	2.7	61
218	Kinetics of the dehydrochlorination of poly(vinyl chloride) in the presence of NaOH and various diols as solvents. <i>Polymer Degradation and Stability</i> , 2009, 94, 1595-1597.	2.7	20
219	Preparation of organic acid anion-modified magnesium hydroxides by coprecipitation: A novel material for the uptake of heavy metal ions from aqueous solutions. <i>Journal of Physics and Chemistry of Solids</i> , 2009, 70, 1104-1108.	1.9	17
220	Efficient dehalogenation of automobile shredder residue in NaOH/ethylene glycol using a ball mill. <i>Chemosphere</i> , 2009, 74, 287-292.	4.2	19
221	Determination of Fluoride Using ion-selective Electrodes in the Presence of Aluminum. <i>Analytical Sciences</i> , 2009, 25, 1437-1443.	0.8	14
222	Preparation of Mg ²⁺ /Al Layered Double Hydroxide Intercalated with 2,7-Naphthalene Disulfonate and Its Selective Uptake of Aromatic Compounds from Aqueous Solutions. <i>Bulletin of the Chemical Society of Japan</i> , 2009, 82, 1436-1440.	2.0	15
223	Selective Uptake of Aromatic Compounds from Aqueous Solutions by Mg ²⁺ /Al Layered Double Hydroxide Intercalated with 2,7-Naphthalenedisulfonate. <i>Chemistry Letters</i> , 2009, 38, 522-523.	0.7	19
224	Uptake of heavy metal ions from aqueous solution using Mg ²⁺ /Al layered double hydroxides intercalated with citrate, malate, and tartrate. <i>Separation and Purification Technology</i> , 2008, 62, 330-336.	3.9	80
225	Effects of pH and concentration on ability of Cl ⁻ and NO ₃ ⁻ to intercalate into a hydrotalcite-like compound during its synthesis. <i>Bulletin of Materials Science</i> , 2008, 31, 625-629.	0.8	4
226	The effects of KI/Se(VI) molar ratio and initial concentration of Se(VI) on the reduction of Se(VI) to Se(IV) by KI. <i>Environmental Chemistry Letters</i> , 2008, 6, 247-249.	8.3	2
227	Dechlorination of poly(vinyl chloride) using NaOH in ethylene glycol under atmospheric pressure. <i>Polymer Degradation and Stability</i> , 2008, 93, 1138-1141.	2.7	69
228	Dechlorination of poly(vinylidene chloride) in NaOH/ethylene glycol as a function of NaOH concentration, temperature, and solvent. <i>Polymer Degradation and Stability</i> , 2008, 93, 1979-1984.	2.7	32
229	Dechlorination behaviour of flexible poly(vinyl chloride) in NaOH/EG solution. <i>Polymer Degradation and Stability</i> , 2008, 93, 1822-1825.	2.7	58
230	Preparation and characterization of Mg ²⁺ /Al layered double hydroxides intercalated with benzenesulfonate and benzenedisulfonate. <i>Microporous and Mesoporous Materials</i> , 2008, 114, 410-415.	2.2	32
231	Pyrolysis of tetrabromobisphenol-A containing paper laminated printed circuit boards. <i>Chemosphere</i> , 2008, 71, 872-878.	4.2	121
232	Removal of hydrogen chloride from gaseous streams using magnesium ²⁺ /aluminum oxide. <i>Chemosphere</i> , 2008, 73, 844-847.	4.2	32
233	Ball Mill-Assisted Dechlorination of Flexible and Rigid Poly(vinyl chloride) in NaOH/EG Solution. <i>Industrial & Engineering Chemistry Research</i> , 2008, 47, 8619-8624.	1.8	33
234	Removal of tetrafluoroborate ion from aqueous solution using magnesium ²⁺ /aluminum oxide produced by the thermal decomposition of a hydrotalcite-like compound. <i>Chemosphere</i> , 2007, 69, 832-835.	4.2	22

#	ARTICLE	IF	CITATIONS
235	Dehydrochlorination behavior of a chloride ion-intercalated hydrotalcite-like compound during thermal decomposition. <i>Applied Clay Science</i> , 2007, 35, 173-179.	2.6	31
236	Dehydrochlorination and recovery of hydrochloric acid by thermal treatment of a chloride ion-intercalated hydrotalcite-like compound. <i>Applied Clay Science</i> , 2007, 37, 215-219.	2.6	15
237	Preparation of a hydrotalcite-like compound using calcined dolomite and polyaluminum chloride. <i>Journal of Materials Science</i> , 2007, 42, 2194-2197.	1.7	8
238	Basic study on the determination of total boron by conversion to tetrafluoroborate ion (BF ₄ ⁻) followed by ion chromatography. <i>Analytica Chimica Acta</i> , 2006, 570, 65-72.	2.6	36
239	Selective production of benzene and naphthalene from poly(butylene terephthalate) and poly(ethylene terephthalate) by thermal decomposition. <i>Journal of Polymer Science: Part A: Polymer Chemistry</i> , 2006, 44, 1002-1009.	2.7	18
240	Treatment of hydrochloric acid with magnesium-aluminum oxide at ambient temperatures. <i>Separation and Purification Technology</i> , 2006, 51, 272-276.	3.9	38
241	Feedstock Recycling of PET. , 2006, , 641-661.		5
242	Chemical Recycling of Polycarbonate to Raw Materials by Thermal Decomposition with Calcium Hydroxide/Steam. <i>Chemistry Letters</i> , 2005, 34, 282-283.	0.7	36
243	Temperature Dependence on the Activation Energy of Dechlorination in Thermal Degradation of Polyvinylchloride. <i>Chemistry Letters</i> , 2005, 34, 70-71.	0.7	24
244	Effects of metal oxides on the pyrolysis of poly(ethylene terephthalate). <i>Journal of Analytical and Applied Pyrolysis</i> , 2005, 73, 139-144.	2.6	62
245	The removal of chloride from solutions with various cations using magnesium-aluminum oxide. <i>Separation and Purification Technology</i> , 2005, 42, 25-29.	3.9	40
246	Pyrolysis of poly(ethylene terephthalate) in a fluidised bed plant. <i>Polymer Degradation and Stability</i> , 2004, 86, 499-504.	2.7	154
247	High Selective Conversion of Poly(ethylene terephthalate) into Oil Using Ca(OH) ₂ . <i>Chemistry Letters</i> , 2004, 33, 282-283.	0.7	30
248	New method of treating dilute mineral acids using magnesium-aluminum oxide. <i>Water Research</i> , 2003, 37, 1545-1550.	5.3	71
249	Synthesis of Hydrotalcite from Seawater and Its Application to Phosphorus Removal. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2002, 177, 1503-1506.	0.8	11
250	New Treatment Method for Dilute Hydrochloric Acid Using Magnesium-Aluminum Oxide. <i>Bulletin of the Chemical Society of Japan</i> , 2002, 75, 595-599.	2.0	49
251	Morphology of barium sulfate synthesized with barium(II)-aminocarboxylate chelating precursors. <i>CrystEngComm</i> , 2001, 3, 21-26.	1.3	12
252	Kinetics of Hydrolysis of Poly(ethylene terephthalate) Powder in Sulfuric Acid by a Modified Shrinking-Core Model. <i>Industrial & Engineering Chemistry Research</i> , 2001, 40, 75-79.	1.8	181

#	ARTICLE	IF	CITATIONS
253	New Treatment Methods for Waste Water Containing Chloride Ion Using Magnesium-Aluminum Oxide. Chemistry Letters, 2000, 29, 1136-1137.	0.7	57
254	Analysis of Two Stages Dehydrochlorination of Poly(vinyl chloride) Using TG-MS. Chemistry Letters, 2000, 29, 322-323.	0.7	42
255	Chemical recycling of rigid-PVC by oxygen oxidation in NaOH solutions at elevated temperatures. Polymer Degradation and Stability, 2000, 67, 285-290.	2.7	41
256	Synthesis of Hydrotalcite using Magnesium from Seawater and Dolomite. Molecular Crystals and Liquid Crystals, 2000, 341, 407-412.	0.3	5
257	Study for Recycling of Ceria-Based Glass Polishing Powder II~Recovery of Hydroxysodalite from the Alkali Waste Solution Containing SiO ₂ and Al ₂ O ₃ . Industrial & Engineering Chemistry Research, 2000, 39, 4148-4151.	1.8	10
258	Kinetics of Hydrolysis of PET Powder in Nitric Acid by a Modified Shrinking-Core Model. Industrial & Engineering Chemistry Research, 1998, 37, 336-340.	1.8	146
259	Reduction Rate of Sodium Nitrate by Lead Drops with Wet-Ballmilling.. Kagaku Kogaku Ronbunshu, 1997, 23, 548-554.	0.1	1
260	Dehydrochlorination Behavior of Agricultural PVC Polymer Films in Alkaline Solution at Elevated Temperatures.. Nippon Kagaku Kaishi / Chemical Society of Japan - Chemistry and Industrial Chemistry Journal, 1997, 1997, 64-68.	0.1	10
261	Photochemical Reduction of Nitrate to Ammonia Using Layered Hydrous Titanate/Cadmium Sulphide Nanocomposites. Journal of Chemical Technology and Biotechnology, 1996, 67, 345-349.	1.6	26
262	Hydrolysis of waste PET by sulfuric acid at 150°C for a chemical recycling. Journal of Applied Polymer Science, 1994, 52, 1353-1355.	1.3	161
263	Causticization of sodium carbonate with rock-salt type magnesium aluminium oxide formed by the thermal decomposition of hydrotalcite-like layered double hydroxide. Journal of Chemical Technology and Biotechnology, 1993, 57, 137-140.	1.6	43
264	Photocatalytic properties of CdS and CdS-ZnS mixtures incorporated into the interlayer of layered compounds. Journal of Chemical Technology and Biotechnology, 1993, 58, 315-319.	1.6	39
265	Special Articles on Chemistry and Technology for Recycling Inorganic and Organic Materials. Oxidation of Poly(vinyl chloride) Powder by Molecular Oxygen in Alkaline Solutions at High Temperatures.. Nippon Kagaku Kaishi / Chemical Society of Japan - Chemistry and Industrial Chemistry Journal, 1992, 1992, 534-541.	0.1	14
266	Sintering of Ceria-Doped Tetragonal Zirconia Crystallized in Organic Solvents, Water, and Air. Journal of the American Ceramic Society, 1992, 75, 552-556.	1.9	33
267	Uptake of benzenecarboxylate ions by magnesium aluminium oxides. Journal of Chemical Technology and Biotechnology, 1992, 55, 385-390.	1.6	16