

Yuko Saito

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

488
citations

623734

14
h-index

752698

20
g-index

38
all docs

38
docs citations

38
times ranked

253
citing authors

#	ARTICLE	IF	CITATIONS
1	Catalytic Pyrolysis of Poly(ethylene terephthalate) in the Presence of Metal Oxides for Aromatic Hydrocarbon Recovery Using Tandem $\hat{1}/4$ -Reactor-GC/MS. <i>Energy & Fuels</i> , 2020, 34, 2492-2500.	5.1	37
2	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.	7.4	35
3	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.	7.4	33
4	Latest Trends and Challenges in Feedstock Recycling of Polyolefinic Plastics. <i>Journal of the Japan Petroleum Institute</i> , 2020, 63, 345-364.	0.6	32
5	Beech Wood Pyrolysis in Polyethylene Melt as a Means of Enhancing Levoglucosan and Methoxyphenol Production. <i>Scientific Reports</i> , 2019, 9, 1955.	3.3	28
6	Impact of Common Plastics on Cellulose Pyrolysis. <i>Energy & Fuels</i> , 2019, 33, 6837-6841.	5.1	26
7	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.	7.4	22
8	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
9	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.	3.5	20
10	Separation mechanism of polyvinyl chloride and copper components from swollen electric cables by mechanical agitation. <i>Waste Management</i> , 2019, 93, 54-62.	7.4	19
11	Estimation of recoverable resources used in lithium-ion batteries from portable electronic devices in Japan. <i>Resources, Conservation and Recycling</i> , 2021, 175, 105884.	10.8	18
12	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.	9.0	17
13	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.	7.4	16
14	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.	3.0	15
15	Prediction of pyrolyzate yields by response surface methodology: A case study of cellulose and polyethylene co-pyrolysis. <i>Bioresource Technology</i> , 2021, 337, 125435.	9.6	15
16	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.	3.3	13
17	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.	3.7	12
18	Direct Gas-Phase Derivatization by Employing Tandem $\hat{1}/4$ -Reactor-Gas Chromatography/Mass Spectrometry: Case Study of Trifluoroacetylation of 4,4'-Methylenedianiline. <i>Analytical Chemistry</i> , 2020, 92, 14924-14929.	6.5	9

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19	One-pot wet ball-milling for waste wire-harness recycling. <i>Journal of Material Cycles and Waste Management</i> , 2021, 23, 461-469.	3.0	9
20	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.	12.4	9
21	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.	3.7	8
22	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.	3.3	8
23	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.	6.7	8
24	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.	3.4	7
25	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.	2.9	7
26	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.	3.7	6
27	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.	1.7	5
28	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.	4.9	5
29	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.	2.6	5
30	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.	3.0	4
31	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	4
32	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.	3.5	4
33	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.	3.0	4
34	The Latest Trends and Challenges in Research and Development of Plastic Recycling: Feedstock Recycling. <i>Kagaku Kogaku Ronbunshu</i> , 2017, 43, 178-184.	0.3	3
35	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.	2.0	2
36	Current Issues and Future Prospects in Plastic Recycling. <i>Material Cycles and Waste Management Research</i> , 2018, 29, 152-162.	0.0	2

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37	Adsorption of Cu ²⁺ and Ni ²⁺ by oxalic acid-crosslinked chitosan-modified montmorillonite. <i>Soft Materials</i> , 2020, 18, 411-420.	1.7	0