Yi-Ming Kuo

List of Publications by Year
in descending order

37	634	516710 16	610901 24
papers	citations	h-index	g-index

37	37	37	616
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effect of water quenching and SiO2 addition during vitrification of fly ash. Journal of Hazardous Materials, 2008, 152, 994-1001.	12.4	51
2	Preparation and adsorption properties of chitosanâ€“poly(acrylic acid) nanoparticles for the removal of nickel ions. Journal of Applied Polymer Science, 2008, 107, 2333-2342.	2.6	47
3	Recovery of valuable metals from electroplating sludge with reducing additives via vitrification. Journal of Environmental Management, 2013, 129, 586-592.	7.8	46
4	Metal behavior during vitrification of incinerator ash in a coke bed furnace. Journal of Hazardous Materials, 2004, 109, 79-84.	12.4	45
5	Preparation of fructose-mediated (polyethylene glycol/chitosan) membrane and adsorption of heavy metal ions. Journal of Applied Polymer Science, 2007, 105, 1480-1489.	2.6	33
6	Characterization of spent nickelâ€“metal hydride batteries and a preliminary economic evaluation of the recovery processes. Journal of the Air and Waste Management Association, 2016, 66, 296-306.	1.9	33
7	Fate of polycyclic aromatic hydrocarbons during vitrification of incinerator ash in a coke bed furnace. Chemosphere, 2003, 51, 313-319.	8.2	29
8	Preparation and characterization of chitosanâ€coated hydroxyapatite nanoparticles as a promising nonâ€viral vector for gene delivery. Journal of Applied Polymer Science, 2011, 121, 3531-3540.	2.6	27
9	Effect of NaOH on the vitrification process of waste Niâ€“Cr sludge. Journal of Hazardous Materials, 2011, 185, 1522-1527.	12.4	24
10	Immobilization and encapsulation during vitrification of incineration ashes in a coke bed furnace. Journal of Hazardous Materials, 2006, 133, 75-78.	12.4	23
11	An alternative approach to recovering valuable metals from zinc phosphating sludge. Journal of Hazardous Materials, 2012, 201-202, 265-272.	12.4	23
12	Effect of cooling rate and basicity during vitrification of fly ash. Journal of Hazardous Materials, 2008, 152, 554-562.	12.4	21
13	Effect of SiO2 on Immobilization of Metals and Encapsulation of a Glass Network in Slag. Journal of the Air and Waste Management Association, 2003, 53, 1412-1416.	1.9	20
14	Vitrification for reclaiming spent alkaline batteries. Waste Management, 2009, 29, 2132-2139.	7.4	20
15	Ecological risk assessment of heavy metals sampled in sediments and water of the Houjing River, Taiwan. Environmental Earth Sciences, 2018, 77, 1.	2.7	20
16	Recycling of spent nickelâ€“cadmium battery using a thermal separation process. Environmental Progress and Sustainable Energy, 2018, 37, 645-654.	2.3	17
17	Effect of Al2O3 mole fraction and cooling method on vitrification of an artificial hazardous material. Part 1: Variation of crystalline phases and slag structures. Journal of Hazardous Materials, 2009, 169, 626-634.	12.4	16
18	Chemical and physical properties of plasma slags containing various amorphous volume fractions. Journal of Hazardous Materials, 2009, 162, 469-475.	12.4	14

#	Article	IF	Citations
19	Preparation of Cu2O nanowires by thermal oxidation-plasma reduction method. Applied Physics A: Materials Science and Processing, 2012, 108, 133-141.	2.3	14
20	Chitosanâ€“poly(acrylic acid) nanofiber networks prepared by the doping induction of succinic acid and its ammoniaâ€response studies. Polymers for Advanced Technologies, 2008, 19, 1343-1352.	3.2	12
21	Two-stage plasma nitridation approach for rapidly synthesizing aluminum nitride powders. Journal of Materials Research, 2017, 32, 1279-1286.	2.6	11
22	An alternative approach for reusing slags from a plasma vitrification process. Journal of Hazardous Materials, 2008, 156, 442-447.	12.4	10
23	Stabilization of Residues Obtained from the Treatment of Laboratory Waste. Part 1â€”Treatment Path of Metals in a Plasma Melting System. Journal of the Air and Waste Management Association, 2010, 60, 429-438.	1.9	10
24	Encapsulation Behaviors of Metals in Slags Containing Various Amorphous Volume Fractions. Journal of the Air and Waste Management Association, 2007, 57, 820-827.	1.9	9
25	Effect of Al2O3 mole fraction and cooling method on vitrification of an artificial hazardous material. Part 2: Encapsulation of metals and resistance to acid. Journal of Hazardous Materials, 2009, 169, 635-642.	12.4	8
26	Characteristics and determinants of ambient volatile organic compounds in primary schools. Environmental Sciences: Processes and Impacts, 2016, 18, 1458-1468.	3.5	7
27	Hierarchically porous cobalt oxyhydroxide derived from Morphoâ€butterfly wings: Preparation, characterization, and carbon monoxide detection at low temperatures. Physica Status Solidi (A) Applications and Materials Science, 2013, 210, 494-502.	1.8	6
28	Production and isolation of chitosan from Aspergillus terreus and application in tin(II) adsorption. Journal of Applied Polymer Science, 2014, 131, .	2.6	6
29	Preparation of High-Transparency, Superhydrophilic Visible Photo-Induced Photocatalytic Film via a Rapid Plasma-Modification Process. Coatings, 2021, 11, 784.	2.6	6
30	Effect of experimental parameters on the formation of chitosanâ€“poly(acrylic acid) nanofibrous scaffolds and evaluation of their potential application as DNA carrier. Journal of Applied Polymer Science, 2010, 115, 1769-1780.	2.6	5
31	Evaluation of effect of reducing additives during vitrification via simulation and experiment. Journal of the Air and Waste Management Association, 2013, 63, 1182-1189.	1.9	5
32	An alternative approach to reclaim spent nickelâ€“metal hydride batteries. Environmental Progress and Sustainable Energy, 2020, 39, e13433.	2.3	4
33	Color and COD Removal Using a Three-Dimensional Stacked Pt/Ti Screen Anode. Environmental Engineering Science, 2008, 25, 1009-1016.	1.6	3
34	Role of sodium ions in the vitrification process: Glass matrix modification, slag structure depolymerization, and influence of metal immobilization. Journal of the Air and Waste Management Association, 2014, 64, 774-784.	1.9	3
35	Characterization of the products attained from a thermal treatment of a mix of zincâ€“carbon and alkaline batteries. Environmental Technology (United Kingdom), 2016, 37, 1490-1500.	2.2	3
36	Stabilization of Residues Obtained from the Treatment of Laboratory Waste: Part 2â€”Transformation of Plasma Vitrified Slag into Composites. Journal of the Air and Waste Management Association, 2011, 61, 78-84.	1.9	2

#	Article	IF	Citations
37	Evaluation of Thermal Treatments for Elutriated Mixed Incinerator Ashes. Part 1: Co-Incineration with Laboratory Waste. Aerosol and Air Quality Research, 2016, 16, 2278-2286.	2.1	1