Kenji Shiota

List of Publications by Year
in descending order

42	717	471509 17	552781 26
papers	citations	h-index	g-index

42	42	42	845
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Chloride Chemical Form in Various Types of Fly Ash. Environmental Science & Technology, 2008, 42, 3932-3937.	10.0	83
2	Vapor-phase elemental mercury adsorption by activated carbon co-impregnated with sulfur and chlorine. Chemical Engineering Journal, 2017, 315, 598-607.	12.7	72
3	Enhanced Transformation of Lead Speciation in Rhizosphere Soils Using Phosphorus Amendments and Phytostabilization: An X-ray Absorption Fine Structure Spectroscopy Investigation. Journal of Environmental Quality, 2011, 40, 696-703.	2.0	41
4	EXAFS speciation and phytoavailability of Pb in a contaminated soil amended with compost and gypsum. Science of the Total Environment, 2011, 409, 1001-1007.	8.0	35
5	Effect of lead speciation on its oral bioaccessibility in surface dust and soil of electronic-wastes recycling sites. Journal of Hazardous Materials, 2018, 341, 365-372.	12.4	34
6	Influence of water content and cell disruption on lipid extraction using subcritical dimethyl ether in wet microalgae. Bioresource Technology, 2021, 329, 124892.	9.6	33
7	Stabilization of lead in an alkali-activated municipal solid waste incineration fly ashâ€“Pyrophyllite-based system. Journal of Environmental Management, 2017, 201, 327-334.	7.8	32
8	Synergetic inhibition of thermochemical formation of chlorinated aromatics by sulfur and nitrogen derived from thiourea: Multielement characterizations. Journal of Hazardous Materials, 2016, 311, 43-50.	12.4	29
9	Cesium Speciation in Dust from Municipal Solid Waste and Sewage Sludge Incineration by Synchrotron Radiation Micro-X-ray Analysis. Analytical Chemistry, 2015, 87, 11249-11254.	6.5	28
10	Source profiling of arsenic and heavy metals in the Selangor River basin and their maternal and cord blood levels in Selangor State, Malaysia. Chemosphere, 2017, 184, 857-865.	8.2	27
11	Survey of elemental composition in dewatered sludge in Japan. Science of the Total Environment, 2021, 752, 141857.	8.0	25
12	Behavior of cesium in municipal solid waste incineration. Journal of Environmental Radioactivity, 2015, 143, 1-6.	1.7	24
13	Emission of particulate matter 2.5 (PM2.5) and elements from municipal solid waste incinerators. Journal of Material Cycles and Waste Management, 2016, 18, 72-80.	3.0	20
14	Characterizing the mechanisms of gas-phase elemental mercury adsorption with iodine-impregnated activated carbons using Brunauer-Emmett-Teller analysis, X-ray diffraction, X-ray photoelectron spectroscopy, and X-ray absorption near-edge structure analysis. Chemical Engineering Journal, 2020, 402, 126225.	12.7	20
15	Stabilization of cesium in alkali-activated municipal solid waste incineration fly ash and a pyrophyllite-based system. Chemosphere, 2017, 187, 188-195.	8.2	19
16	Comparison of sewage sludge mono-incinerators: Mass balance and distribution of heavy metals in step grate and fluidized bed incinerators. Waste Management, 2020, 105, 575-585.	7.4	18
17	Formation pathways of polychlorinated dibenzo-p-dioxins and dibenzofurans from burning simulated PVC-coated cable wires. Chemosphere, 2021, 264, 128542.	8.2	18
18	Contrasting Effects of Sulfur Dioxide on Cupric Oxide and Chloride during Thermochemical Formation of Chlorinated Aromatics. Environmental Science & Technology, 2014, 48, 13644-13651.	10.0	16

#	Article	IF	Citations
19	Chemical kinetics of Cs species in an alkali-activated municipal solid waste incineration fly ash and pyrophyllite-based system using Cs K-edge in situ X-ray absorption fine structure analysis. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2017, 131, 32-39.	2.9	15
20	Emission of particulate matter from gasification and melting furnace for municipal solid waste in Japan. Journal of Environmental Chemical Engineering, 2017, 5, 1703-1710.	6.7	14
21	Emission of Particulate Matter 2.5 (PM2.5) from Sewage Sludge Incinerators in Japan. Drying Technology, 2015, 33, 1286-1294.	3.1	13
22	Distribution and characteristics of heavy metals in a first-generation monofill site for incinerator residue. Journal of Hazardous Materials, 2019, 373, 763-772.	12.4	12
23	Mitigation of bromine-containing products during pyrolysis of polycarbonate-based tetrabromobisphenol A in the presence of copper(I) oxide. Journal of Hazardous Materials, 2021, 409, 124972.	12.4	12
24	Forensic Identification of Automobile Window Glass Manufacturers in Japan Based on the Refractive Index, X-ray Fluorescence, and X-ray Absorption Fine Structure. Analytical Sciences, 2016, 32, 207-213.	1.6	10
25	Thermochemical formation of dioxins promoted by chromium chloride: In situ Cr- and Cl-XAFS analysis. Journal of Hazardous Materials, 2020, 388, 122064.	12.4	10
26	Stabilization of lead with amorphous solids synthesized from aluminosilicate gel. Journal of Hazardous Materials, 2020, 385, 121109.	12.4	9
27	Aqueous leaching of cattle manure incineration ash to produce a phosphate enriched fertilizer. Journal of Material Cycles and Waste Management, 2016, 18, 608-617.	3.0	7
28	Quantitative cesium speciation and leaching properties in alkali-activated municipal solid waste incineration fly ash and pyrophyllite-based systems. Chemosphere, 2018, 213, 578-586.	8.2	6
29	The effect of gas emission on the strength of composite products derived using alkali-activated municipal solid waste incineration fly ash/pyrophyllite-based systems. Chemosphere, 2019, 228, 513-520.	8.2	6
30	Quantitative Speciation of Insoluble Chlorine in Environmental Solid Samples. ACS Omega, 2019, 4, 6126-6137.	3.5	6
31	Mercury emission profile for the torrefaction of sewage sludge at a full-scale plant and application of polymer sorbent. Journal of Hazardous Materials, 2022, 423, 127186.	12.4	5
32	Bromination of Carbon and Formation of PBDD/Fs by Copper Bromide in Oxidative Thermal Process. Journal of Hazardous Materials, 2021, 403, 123878.	12.4	4
33	Forensic Identification of Automobile Window Glass Manufacturers Based on Cerium Chemical States. Chemistry Letters, 2014, 43, 357-359.	1.3	3
34	Forensic analysis of tire rubbers based on their sulfur chemical states. Forensic Science International, 2015, 250, 53-56.	2.2	3
35	Quantitative speciation of insoluble chlorine in E-waste open burning soil: Implications of the presence of unidentified aromatic-Cl and insoluble chlorides. Chemosphere, 2019, 233, 493-502.	8.2	3
36	Mass balance of heavy metals in a non-operational incinerator residue landfill site in Japan. Journal of Material Cycles and Waste Management, 2020, 22, 354-364.	3.0	2

#	Article	IF	Citations
37	Chemical states of arsenic contained in sewage sludge incineration ash and insolubilized material. Journal of Material Cycles and Waste Management, 2018, 20, 955-964.	3.0	1
38	Microalgae preparation and lipid extraction by subcritical dimethyl ether. MethodsX, 2021, 8, 101353.	1.6	1
39	Effective Separation and Recovery of Manganese and Potassium from Biomass Ash by Solvent Extraction. ACS Omega, 2022, 7, 20155-20164.	3.5	1
40	STABILIZATION OF LEAD IN MUNICIPAL SOLID WASTE INCINERATION BOTTOM ASH BY ACCELERATED AGING TECHNOLOGY. Journal of Japan Society of Civil Engineers Ser G (Environmental Research), 2016, 72, III_341-III_350.	0.1	0
41	Synthesis of a Si-Al Gel as a Starting Material of Aluminosilicate Solids. Zairyo/Journal of the Society of Materials Science, Japan, 2021, 70, 406-411.	0.2	0
42	The Influence that Dissolution Properties of Aluminosilicates to Alkali Solutions Have on the Immobilization of Cesium in Fly Ash by Geopolymer Solidification. Journal of the Japan Society of Material Cycles and Waste Management, 2021, 32, 136-146.	0.0	0