

Kenji Shiota

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

41
papers

511
citations

13
h-index

21
g-index

42
ext. papers

612
ext. citations

7.2
avg, IF

4.19
L-index

#	Paper	IF	Citations
41	Mercury emission profile for the torrefaction of sewage sludge at a full-scale plant and application of polymer sorbent. <i>Journal of Hazardous Materials</i> , 2022 , 423, 127186	12.8	0
40	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	12.8	3
39	Synthesis of a Si-Al Gel as a Starting Material of Aluminosilicate Solids. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , 2021 , 70, 406-411	0.1	
38	Influence of water content and cell disruption on lipid extraction using subcritical dimethyl ether in wet microalgae. <i>Bioresource Technology</i> , 2021 , 329, 124892	11	16
37	Formation pathways of polychlorinated dibenzo-p-dioxins and dibenzofurans from burning simulated PVC-coated cable wires. <i>Chemosphere</i> , 2021 , 264, 128542	8.4	6
36	Bromination of Carbon and Formation of PBDD/Fs by Copper Bromide in Oxidative Thermal Process. <i>Journal of Hazardous Materials</i> , 2021 , 403, 123878	12.8	4
35	Survey of elemental composition in dewatered sludge in Japan. <i>Science of the Total Environment</i> , 2021 , 752, 141857	10.2	8
34	Microalgae preparation and lipid extraction by subcritical dimethyl ether. <i>MethodsX</i> , 2021 , 8, 101353	1.9	1
33	The Influence that Dissolution Properties of Aluminosilicates to Alkali Solutions Have on the Immobilization of Cesium in Fly Ash by Geopolymer Solidification. <i>Journal of the Japan Society of Material Cycles and Waste Management</i> , 2021 , 32, 136-146	0.1	
32	Thermochemical formation of dioxins promoted by chromium chloride: In situ Cr- and Cl-XAFS analysis. <i>Journal of Hazardous Materials</i> , 2020 , 388, 122064	12.8	7
31	Mass balance of heavy metals in a non-operational incinerator residue landfill site in Japan. <i>Journal of Material Cycles and Waste Management</i> , 2020 , 22, 354-364	3.4	0
30	Comparison of sewage sludge mono-incinerators: Mass balance and distribution of heavy metals in step grate and fluidized bed incinerators. <i>Waste Management</i> , 2020 , 105, 575-585	8.6	8
29	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. <i>Chemical Engineering Journal</i> , 2020 , 402, 126225	14.7	10
28	Stabilization of lead with amorphous solids synthesized from aluminosilicate gel. <i>Journal of Hazardous Materials</i> , 2020 , 385, 121109	12.8	5
27	The effect of gas emission on the strength of composite products derived using alkali-activated municipal solid waste incineration fly ash/pyrophyllite-based systems. <i>Chemosphere</i> , 2019 , 228, 513-520	8.4	2
26	Quantitative Speciation of Insoluble Chlorine in Environmental Solid Samples. <i>ACS Omega</i> , 2019 , 4, 61263-6137	3.9	5
25	Distribution and characteristics of heavy metals in a first-generation monofill site for incinerator residue. <i>Journal of Hazardous Materials</i> , 2019 , 373, 763-772	12.8	10

24	Quantitative speciation of insoluble chlorine in E-waste open burning soil: Implications of the presence of unidentified aromatic-Cl and insoluble chlorides. <i>Chemosphere</i> , 2019 , 233, 493-502	8.4	2
23	Chemical states of arsenic contained in sewage sludge incineration ash and insolubilized material. <i>Journal of Material Cycles and Waste Management</i> , 2018 , 20, 955-964	3.4	1
22	Effect of lead speciation on its oral bioaccessibility in surface dust and soil of electronic-wastes recycling sites. <i>Journal of Hazardous Materials</i> , 2018 , 341, 365-372	12.8	27
21	Quantitative cesium speciation and leaching properties in alkali-activated municipal solid waste incineration fly ash and pyrophyllite-based systems. <i>Chemosphere</i> , 2018 , 213, 578-586	8.4	6
20	Vapor-phase elemental mercury adsorption by activated carbon co-impregnated with sulfur and chlorine. <i>Chemical Engineering Journal</i> , 2017 , 315, 598-607	14.7	55
19	Emission of particulate matter from gasification and melting furnace for municipal solid waste in Japan. <i>Journal of Environmental Chemical Engineering</i> , 2017 , 5, 1703-1710	6.8	10
18	Source profiling of arsenic and heavy metals in the Selangor River basin and their maternal and cord blood levels in Selangor State, Malaysia. <i>Chemosphere</i> , 2017 , 184, 857-865	8.4	22
17	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. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2017 , 131, 32-39	3.1	13
16	Stabilization of cesium in alkali-activated municipal solid waste incineration fly ash and a pyrophyllite-based system. <i>Chemosphere</i> , 2017 , 187, 188-195	8.4	17
15	Stabilization of lead in an alkali-activated municipal solid waste incineration fly ash-Pyrophyllite-based system. <i>Journal of Environmental Management</i> , 2017 , 201, 327-334	7.9	22
14	Forensic Identification of Automobile Window Glass Manufacturers in Japan Based on the Refractive Index, X-ray Fluorescence, and X-ray Absorption Fine Structure. <i>Analytical Sciences</i> , 2016 , 32, 207-13	1.7	6
13	STABILIZATION OF LEAD IN MUNICIPAL SOLID WASTE INCINERATION BOTTOM ASH BY ACCELERATED AGING TECHNOLOGY. <i>Journal of Japan Society of Civil Engineers Ser G (Environmental Research)</i> , 2016 , 72, III_341-III_350	0.1	
12	Emission of particulate matter 2.5 (PM2.5) and elements from municipal solid waste incinerators. <i>Journal of Material Cycles and Waste Management</i> , 2016 , 18, 72-80	3.4	16
11	Synergetic inhibition of thermochemical formation of chlorinated aromatics by sulfur and nitrogen derived from thiourea: Multielement characterizations. <i>Journal of Hazardous Materials</i> , 2016 , 311, 43-50	12.8	22
10	Aqueous leaching of cattle manure incineration ash to produce a phosphate enriched fertilizer. <i>Journal of Material Cycles and Waste Management</i> , 2016 , 18, 608-617	3.4	7
9	Emission of Particulate Matter 2.5 (PM2.5) from Sewage Sludge Incinerators in Japan. <i>Drying Technology</i> , 2015 , 33, 1286-1294	2.6	10
8	Cesium Speciation in Dust from Municipal Solid Waste and Sewage Sludge Incineration by Synchrotron Radiation Micro-X-ray Analysis. <i>Analytical Chemistry</i> , 2015 , 87, 11249-54	7.8	25
7	Forensic analysis of tire rubbers based on their sulfur chemical states. <i>Forensic Science International</i> , 2015 , 250, 53-6	2.6	2

6	Behavior of cesium in municipal solid waste incineration. <i>Journal of Environmental Radioactivity</i> , 2015 , 143, 1-6	2.4	22
5	Forensic Identification of Automobile Window Glass Manufacturers Based on Cerium Chemical States. <i>Chemistry Letters</i> , 2014 , 43, 357-359	1.7	3
4	Contrasting effects of sulfur dioxide on cupric oxide and chloride during thermochemical formation of chlorinated aromatics. <i>Environmental Science & Technology</i> , 2014 , 48, 13644-51	10.3	12
3	Enhanced transformation of lead speciation in rhizosphere soils using phosphorus amendments and phytostabilization: an x-ray absorption fine structure spectroscopy investigation. <i>Journal of Environmental Quality</i> , 2011 , 40, 696-703	3.4	31
2	EXAFS speciation and phytoavailability of Pb in a contaminated soil amended with compost and gypsum. <i>Science of the Total Environment</i> , 2011 , 409, 1001-7	10.2	32
1	Chloride chemical form in various types of fly ash. <i>Environmental Science & Technology</i> , 2008 , 42, 3932-7	10.3	63