

Li-Jung Kuo

List of Publications by Year in descending order

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49
papers

3,139
citations

186265

28
h-index

206112

48
g-index

53
all docs

53
docs citations

53
times ranked

3557
citing authors

#	ARTICLE	IF	CITATIONS
1	Metal Interactions at the Biochar-Water Interface: Energetics and Structure-Sorption Relationships Elucidated by Flow Adsorption Microcalorimetry. <i>Environmental Science & Technology</i> , 2011, 45, 5550-5556.	10.0	412
2	An Index-Based Approach to Assessing Recalcitrance and Soil Carbon Sequestration Potential of Engineered Black Carbons (Biochars). <i>Environmental Science & Technology</i> , 2012, 46, 1415-1421.	10.0	292
3	Uptake of Uranium from Seawater by Amidoxime-Based Polymeric Adsorbent: Field Experiments, Modeling, and Updated Economic Assessment. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 6076-6083.	3.7	185
4	Generalized Two-Dimensional Perturbation Correlation Infrared Spectroscopy Reveals Mechanisms for the Development of Surface Charge and Recalcitrance in Plant-Derived Biochars. <i>Environmental Science & Technology</i> , 2012, 46, 10641-10650.	10.0	170
5	Formularity: Software for Automated Formula Assignment of Natural and Other Organic Matter from Ultrahigh-Resolution Mass Spectra. <i>Analytical Chemistry</i> , 2017, 89, 12659-12665.	6.5	156
6	Uranium recovery from seawater: development of fiber adsorbents prepared via atom-transfer radical polymerization. <i>Journal of Materials Chemistry A</i> , 2014, 2, 14674-14681.	10.3	138
7	Extracting Uranium from Seawater: Promising AF Series Adsorbents. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 4110-4117.	3.7	136
8	Uranium Adsorbent Fibers Prepared by Atom-Transfer Radical Polymerization (ATRP) from Poly(vinyl Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Engineering Chemistry Research, 2016, 55, 4139-4148.	3.7	128
9	Can levoglucosan be used to characterize and quantify char/charcoal black carbon in environmental media?. <i>Organic Geochemistry</i> , 2008, 39, 1466-1478.	1.8	123
10	The Uranium from Seawater Program at the Pacific Northwest National Laboratory: Overview of Marine Testing, Adsorbent Characterization, Adsorbent Durability, Adsorbent Toxicity, and Deployment Studies. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 4264-4277.	3.7	107
11	Acetone-butanol fermentation of marine macroalgae. <i>Bioresource Technology</i> , 2012, 108, 305-309.	9.6	98
12	Characterization and biodegradation of water-soluble biomarkers and organic carbon extracted from low temperature chars. <i>Organic Geochemistry</i> , 2013, 56, 111-119.	1.8	98
13	Effect of Biofouling on the Performance of Amidoxime-Based Polymeric Uranium Adsorbents. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 4328-4338.	3.7	80
14	Influence of combustion conditions on yields of solvent-extractable anhydrosugars and lignin phenols in chars: Implications for characterizations of biomass combustion residues. <i>Chemosphere</i> , 2011, 85, 797-805.	8.2	79
15	Effects of ionic strength on the binding of phenanthrene and pyrene to humic substances: three-stage variation model. <i>Water Research</i> , 2003, 37, 4250-4258.	11.3	66
16	Elution of Uranium and Transition Metals from Amidoxime-Based Polymer Adsorbents for Sequestering Uranium from Seawater. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 4313-4320.	3.7	65
17	Enhancing Uranium Uptake by Amidoxime Adsorbent in Seawater: An Investigation for Optimum Alkaline Conditioning Parameters. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 4294-4302.	3.7	58
18	Characterization and Testing of Amidoxime-Based Adsorbent Materials to Extract Uranium from Natural Seawater. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 4285-4293.	3.7	56

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19	Alternative Alkaline Conditioning of Amidoxime Based Adsorbent for Uranium Extraction from Seawater. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 4303-4312.	3.7	55
20	Determination of levoglucosan and its isomers in size fractions of aerosol standard reference materials. <i>Atmospheric Environment</i> , 2009, 43, 5630-5636.	4.1	46
21	Combustion-derived substances in deep basins of Puget Sound: Historical inputs from fossil fuel and biomass combustion. <i>Environmental Pollution</i> , 2011, 159, 983-990.	7.5	41
22	Fate of CuO-derived lignin oxidation products during plant combustion: Application to the evaluation of char input to soil organic matter. <i>Organic Geochemistry</i> , 2008, 39, 1522-1536.	1.8	38
23	Investigations into the Reusability of Amidoxime-Based Polymeric Adsorbents for Seawater Uranium Extraction. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 11603-11611.	3.7	38
24	Quantification of the dissolved organic matter effect on the sorption of hydrophobic organic pollutant: Application of an overall mechanistic sorption model. <i>Chemosphere</i> , 1999, 38, 807-821.	8.2	37
25	Efficient Functionalization of Polyethylene Fibers for the Uranium Extraction from Seawater through Atom Transfer Radical Polymerization. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 10826-10832.	3.7	36
26	Novel Interactions between Gut Microbiome and Host Drug-Processing Genes Modify the Hepatic Metabolism of the Environmental Chemicals Polybrominated Diphenyl Ethers. <i>Drug Metabolism and Disposition</i> , 2017, 45, 1197-1214.	3.3	36
27	Towards understanding KOH conditioning of amidoxime-based polymer adsorbents for sequestering uranium from seawater. <i>RSC Advances</i> , 2015, 5, 100715-100721.	3.6	32
28	Temperature Dependence of Uranium and Vanadium Adsorption on Amidoxime-Based Adsorbents in Natural Seawater. <i>ChemistrySelect</i> , 2018, 3, 843-848.	1.5	32
29	A highly efficient uranium grabber derived from acrylic fiber for extracting uranium from seawater. <i>Dalton Transactions</i> , 2020, 49, 2803-2810.	3.3	29
30	Macroporous monoliths for trace metal extraction from seawater. <i>RSC Advances</i> , 2015, 5, 50005-50010.	3.6	28
31	Bicarbonate Elution of Uranium from Amidoxime-Based Polymer Adsorbents for Sequestering Uranium from Seawater. <i>ChemistrySelect</i> , 2017, 2, 3769-3774.	1.5	27
32	Influence of Current Velocity on Uranium Adsorption from Seawater Using an Amidoxime-Based Polymer Fiber Adsorbent. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 2205-2211.	3.7	26
33	Pyrogenic Inputs of Anthropogenic Pb and Hg to Sediments of the Hood Canal, Washington, in the 20th Century: Source Evidence from Stable Pb Isotopes and PAH Signatures. <i>Environmental Science & Technology</i> , 2012, 46, 5772-5781.	10.0	24
34	Comparison of Analytical Methods for the Determination of Uranium in Seawater Using Inductively Coupled Plasma Mass Spectrometry. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 4344-4350.	3.7	24
35	Discrimination in Degradability of Soil Pyrogenic Organic Matter Follows a Return-On-Energy-Investment Principle. <i>Environmental Science & Technology</i> , 2016, 50, 8578-8585.	10.0	20
36	Polybrominated diphenyl ethers and their hydroxylated and methoxylated derivatives in seafood obtained from Puget Sound, WA. <i>Science of the Total Environment</i> , 2018, 630, 1149-1154.	8.0	19

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37	Potential Impact of Seawater Uranium Extraction on Marine Life. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 4278-4284.	3.7	15
38	Polybrominated diphenyl ethers (PBDEs) in plasma from E-waste recyclers, outdoor and indoor workers in the Puget Sound, WA region. <i>Chemosphere</i> , 2019, 219, 209-216.	8.2	15
39	A report on emergent uranyl binding phenomena by an amidoxime phosphonic acid co-polymer. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 23462-23468.	2.8	13
40	Metabolic Profiling Reveals Biochemical Pathways Responsible for Eelgrass Response to Elevated CO ₂ and Temperature. <i>Scientific Reports</i> , 2020, 10, 4693.	3.3	12
41	Uranium Recovery from Seawater Using Amidoxime-Based Braided Polymers Synthesized from Acrylic Fibers. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 13988-13996.	3.7	9
42	Assessment of Impacts of Dissolved Organic Matter and Dissolved Iron on the Performance of Amidoxime-Based Adsorbents for Seawater Uranium Extraction. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 8536-8543.	3.7	8
43	A centennial record of anthropogenic impacts and extreme weather events in southwestern Taiwan: Evidence from sedimentary molecular markers in coastal margin. <i>Marine Pollution Bulletin</i> , 2014, 86, 244-253.	5.0	7
44	Occupational and dietary differences in hydroxylated and methoxylated PBDEs and metals in plasma from Puget Sound, Washington, USA region volunteers. <i>Science of the Total Environment</i> , 2020, 714, 136566.	8.0	6
45	Stage change in binding of pyrene to selected humic substances under different ionic strengths. <i>Environmental Toxicology and Chemistry</i> , 2005, 24, 886-894.	4.3	5
46	Renewable Ammonia as an Energy Fuel for Ocean Exploration and Transportation. <i>Marine Technology Society Journal</i> , 2020, 54, 126-136.	0.4	5
47	Spatial and temporal baseline of perfluorooctanesulfonic acid retained in sediment core samples from Puget Sound, Washington, USA. <i>Marine Pollution Bulletin</i> , 2021, 167, 112381.	5.0	3
48	The Influence of Transitional Metal Dopants on Reducing Chlorine Evolution during the Electrolysis of Raw Seawater. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 11911.	2.5	3
49	Sequestering Rare Earth Elements and Precious Metals from Seawater Using a Highly Efficient Polymer Adsorbent Derived from Acrylic Fiber. <i>Metals</i> , 2022, 12, 849.	2.3	0