

Kuo-Lin Huang

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Characteristics of Metals in Nano/Ultrafine/Fine/Coarse Particles Collected Beside a Heavily Trafficked Road. <i>Environmental Science & Technology</i> , 2005, 39, 8113-8122.	10.0	294
2	Emissions of fuel metals content from a diesel vehicle engine. <i>Atmospheric Environment</i> , 2003, 37, 4637-4643.	4.1	217
3	PM, carbon, and PAH emissions from a diesel generator fuelled with soy-biodiesel blends. <i>Journal of Hazardous Materials</i> , 2010, 179, 237-243.	12.4	93
4	PAHs, PAH-Induced Carcinogenic Potency, and Particle-Extract-Induced Cytotoxicity of Traffic-Related Nano/Ultrafine Particles. <i>Environmental Science & Technology</i> , 2008, 42, 4229-4235.	10.0	86
5	Metal recovery from spent hydrodesulfurization catalysts using a combined acid-leaching and electrolysis process. <i>Journal of Hazardous Materials</i> , 2008, 154, 588-594.	12.4	84
6	Vitrification of Chromium Electroplating Sludge. <i>Environmental Science & Technology</i> , 2007, 41, 2950-2956.	10.0	82
7	Emissions of polycyclic aromatic hydrocarbons (PAHs) from the pyrolysis of scrap tires. <i>Atmospheric Environment</i> , 2007, 41, 1209-1220.	4.1	79
8	Determination of levels of persistent organic pollutants (PCDD/Fs, PBDD/Fs, PBDEs, PCBs, and PBBs) in atmosphere near a municipal solid waste incinerator. <i>Chemosphere</i> , 2010, 80, 1220-1226.	8.2	66
9	Characterization of Slags and Ingots from the Vitrification of Municipal Solid Waste Incineration Ashes. <i>Industrial & Engineering Chemistry Research</i> , 2003, 42, 2306-2313.	3.7	54
10	Emissions from a generator fueled by blends of diesel, biodiesel, acetone, and isopropyl alcohol: Analyses of emitted PM, particulate carbon, and PAHs. <i>Science of the Total Environment</i> , 2014, 466-467, 195-202.	8.0	51
11	Reaction efficiencies and rate constants for the goethite-catalyzed Fenton-like reaction of NAPL-form aromatic hydrocarbons and chloroethylenes. <i>Journal of Hazardous Materials</i> , 2008, 151, 562-569.	12.4	49
12	Characteristics of particles sampled in southern Taiwan during the Asian dust storm periods in 2000 and 2001. <i>Atmospheric Environment</i> , 2004, 38, 5925-5934.	4.1	48
13	Effects of sputtering parameters on the performance of electrodes fabricated for proton exchange membrane fuel cells. <i>Journal of Power Sources</i> , 2006, 156, 224-231.	7.8	47
14	Recovery of valuable metals from electroplating sludge with reducing additives via vitrification. <i>Journal of Environmental Management</i> , 2013, 129, 586-592.	7.8	46
15	Association between Organochlorine Pesticide Levels in Breast Milk and Their Effects on Female Reproduction in a Taiwanese Population. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 931.	2.6	40
16	Water-soluble ions in nano/ultrafine/fine/coarse particles collected near a busy road and at a rural site. <i>Environmental Pollution</i> , 2007, 145, 562-570.	7.5	38
17	Residue Levels of Organochlorine Pesticides in Breast Milk and Its Associations with Cord Blood Thyroid Hormones and the Offspring's Neurodevelopment. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 1438.	2.6	37
18	Characterization of Persistent Organic Pollutants in Ash Collected from Different Facilities of a Municipal Solid Waste Incinerator. <i>Aerosol and Air Quality Research</i> , 2010, 10, 391-402.	2.1	34

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19	An Electrochemical Approach to Simultaneous Determination of Acetaminophen and Ofloxacin. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2012, 89, 1284-1288.	2.7	33
20	Characterization of spent nickel-metal hydride batteries and a preliminary economic evaluation of the recovery processes. <i>Journal of the Air and Waste Management Association</i> , 2016, 66, 296-306.	1.9	33
21	Laboratory retention of vapor-phase PAHs using XAD adsorbents. <i>Atmospheric Environment</i> , 2004, 38, 6185-6193.	4.1	31
22	Gas/Particle Partitioning of Dioxins in Exhaust Gases from Automobiles. <i>Aerosol and Air Quality Research</i> , 2010, 10, 489-496.	2.1	31
23	Electrochemical degradation of N,N-diethyl-m-toluamide on a boron-doped diamond electrode. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2014, 45, 2615-2621.	5.3	30
24	Influence of an Asian Dust Storm and Southeast Asian Biomass Burning on the Characteristics of Seashore Atmospheric Aerosols in Southern Taiwan. <i>Aerosol and Air Quality Research</i> , 2012, 12, 1105-1115.	2.1	30
25	Effect of raw materials on emissions of polychlorinated dibenzo-p-dioxins and dibenzofurans from the stack flue gases of secondary aluminum smelters. <i>Journal of Hazardous Materials</i> , 2007, 147, 776-784.	12.4	29
26	Levels of PCDD/Fs, PBDEs, and PBDD/Fs in Breast Milk from Southern Taiwan. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2018, 100, 369-375.	2.7	25
27	Characteristics of Polychlorinated Dibenzo-p-dioxins/Dibenzofuran from Joss Paper Burned in Taiwanese Temples. <i>Aerosol and Air Quality Research</i> , 2009, 9, 369-377.	2.1	25
28	Sputtered Pt loadings of membrane electrode assemblies in proton exchange membrane fuel cells. <i>International Journal of Energy Research</i> , 2012, 36, 918-927.	4.5	24
29	Emissions of Polychlorinated Dibenzo-p-dioxin and Polychlorinated Dibenzofuran from Motorcycles. <i>Aerosol and Air Quality Research</i> , 2010, 10, 533-539.	2.1	23
30	The cytotoxicities induced by PM10 and particle-bound water-soluble species. <i>Science of the Total Environment</i> , 2006, 354, 20-27.	8.0	21
31	Anion effects on the electrochemical regeneration of Ce(IV) in nitric acid used for etching chromium. <i>Journal of Hazardous Materials</i> , 2008, 152, 922-928.	12.4	21
32	Emission of heavy metals from animal carcass incinerators in Taiwan. <i>Chemosphere</i> , 2004, 55, 1197-1205.	8.2	20
33	Particle-bound PAHs and Particle-extract-induced Cytotoxicity of Emission from a Diesel-generator Fuelled with Soy-biodiesel. <i>Aerosol and Air Quality Research</i> , 2011, 11, 822-836.	2.1	20
34	Fine Particulate Matter-induced Toxic Effects in an Animal Model of <i>Caenorhabditis elegans</i> . <i>Aerosol and Air Quality Research</i> , 2019, 19, 1068-1078.	2.1	20
35	Characterization of, and health risks from, polychlorinated dibenzo-p-dioxins/dibenzofurans from incense burned in a temple. <i>Science of the Total Environment</i> , 2009, 407, 4870-4875.	8.0	19
36	Comparing Nafion and Ceramic Separators Used in Electrochemical Purification of Spent Chromium Plating Solutions: Cationic Impurity Removal and Transport. <i>Environmental Science & Technology</i> , 2003, 37, 1992-1998.	10.0	18

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37	NH ₄ ⁺ , NO ₃ ⁻ , and SO ₄ ²⁻ in roadside and rural size-resolved particles and transformation of NO ₂ /SO ₂ to nanoparticle-bound NO ₃ ⁻ /SO ₄ ²⁻ . <i>Atmospheric Environment</i> , 2009, 43, 2731-2736.	4.1	18
38	PM, Carbon, PAH, and Particle-Extract-Induced Cytotoxicity of Emissions from a Diesel Generator Fueled with Waste-Edible-Oil-Biodiesel. <i>Aerosol and Air Quality Research</i> , 2012, 12, 843-855.	2.1	18
39	Emission reduction of NO _x , PM, PM-carbon, and PAHs from a generator fuelled by biodieselhol. <i>Journal of Hazardous Materials</i> , 2014, 274, 349-359.	12.4	17
40	Degradation of acesulfame in aqueous solutions by electro-oxidation. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 63, 286-294.	5.3	17
41	Emission factors and congener-specific characterization of PCDD/Fs, PCBs, PBDD/Fs and PBDEs from an off-road diesel engine using waste cooking oil-based biodiesel blends. <i>Journal of Hazardous Materials</i> , 2017, 339, 274-280.	12.4	17
42	Anion Partitioning in and Diffusion through a Nafion Membrane. <i>Industrial & Engineering Chemistry Research</i> , 2003, 42, 3620-3625.	3.7	16
43	Effect of Al ₂ O ₃ mole fraction and cooling method on vitrification of an artificial hazardous material. Part 1: Variation of crystalline phases and slag structures. <i>Journal of Hazardous Materials</i> , 2009, 169, 626-634.	12.4	16
44	Characteristics of particulate emissions from a diesel generator fueled with varying blends of biodiesel and fossil diesel. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2011, 46, 204-213.	1.7	15
45	Removal of Organic and Ammonium Nitrogen Pollutants in Swine Wastewater Using Electrochemical Advanced Oxidation. <i>International Journal of Electrochemical Science</i> , 2018, 13, 11418-11431.	1.3	15
46	Metal Behavior during Vitrification of Municipal Solid Waste Incinerator Fly Ash. <i>Aerosol and Air Quality Research</i> , 2012, 12, 1379-1385.	2.1	15
47	Influences of Beehive Firework Displays on Ambient Fine Particles during the Lantern Festival in the YanShuei Area of Southern Taiwan. <i>Aerosol and Air Quality Research</i> , 2014, 14, 1998-2009.	2.1	15
48	Impurity partitioning in Nafion and ceramic separators used for purification of spent chromium plating solutions. <i>Journal of Membrane Science</i> , 2002, 210, 137-145.	8.2	14
49	Characterization of polychlorinated dibenzo-p-dioxin/dibenzofuran emissions from joss paper burned in a furnace with air pollution control devices. <i>Science of the Total Environment</i> , 2009, 407, 3290-3294.	8.0	14
50	Impurity diffusion through Nafion and ceramic separators used for electrolytic purification of spent chromium plating solutions. <i>Journal of Membrane Science</i> , 2003, 221, 135-146.	8.2	13
51	Regeneration of Ce(IV) in simulated spent Cr-etching solutions using an undivided cell. <i>Journal of Hazardous Materials</i> , 2009, 171, 755-760.	12.4	13
52	Characteristics of water-soluble ions and carbon in fine and coarse particles collected near an open burning site. <i>Atmospheric Environment</i> , 2012, 51, 39-45.	4.1	11
53	Kinetic and Mass-Transfer Parameters for Ce(III) Electro-oxidation in Nitric Acid with/without Anion Impurities. <i>Journal of the Electrochemical Society</i> , 2009, 156, E69.	2.9	9
54	Characteristics of Persistent Organic Pollutant Emissions from a Diesel-Engine Generator Fueled Using Blends of Waste Cooking Oil-Based Biodiesel and Fossil Diesel. <i>Aerosol and Air Quality Research</i> , 2016, 16, 2048-2058.	2.1	9

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55	Emissions of PM _{2.5} -bound Polycyclic Aromatic Hydrocarbons and Metals from a Diesel Generator Fueled with Biodiesel Converted from Used Cooking Oil. <i>Aerosol and Air Quality Research</i> , 2019, 19, 1555-1565.	2.1	9
56	Effect of Al ₂ O ₃ mole fraction and cooling method on vitrification of an artificial hazardous material. Part 2: Encapsulation of metals and resistance to acid. <i>Journal of Hazardous Materials</i> , 2009, 169, 635-642.	12.4	8
57	Nafion-117 Behavior during Cation Separation from Spent Chromium Plating Solutions. <i>Industrial & Engineering Chemistry Research</i> , 2009, 48, 6805-6810.	3.7	8
58	Degradation pathways and organic matter transformation of acesulfame potassium electro-oxidation in real water matrices. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017, 80, 222-230.	5.3	8
59	Emissions of Polycyclic Aromatic Hydrocarbons and Particle-Bound Metals from a Diesel Engine Generator Fueled with Waste Cooking Oil-Based Biodiesel Blends. <i>Aerosol and Air Quality Research</i> , 2017, 17, 1679-1689.	2.1	8
60	Toxic Assessment of Heavily Traffic-related Fine Particulate Matter Using an in-vivo Wild-type <i>Caenorhabditis elegans</i> Model. <i>Aerosol and Air Quality Research</i> , 2020, 20, 1974-1986.	2.1	8
61	The electrochemical characteristics of air fuel cell electrodes used in an electrolytic system for spent chromium plating solution regeneration. <i>Journal of Power Sources</i> , 2005, 142, 243-252.	7.8	7
62	Characterization of Persistent Organic Pollutants Emitted from a Municipal Solid Waste Incinerator in Taiwan. <i>Environmental Engineering Science</i> , 2010, 27, 955-965.	1.6	7
63	Response surface methodology-based fabrication of boron-doped diamond electrodes for electrochemical degradation of guaifenesin in aqueous solutions. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2021, 123, 124-133.	5.3	7
64	Effects of Operating Parameters on Electrochemical Treatment of Swine Wastewater. <i>International Journal of Electrochemical Science</i> , 2019, 14, 11325-11339.	1.3	7
65	Characteristics of Respirable Particulate Metals Emitted by a Beehive Firework Display in YanShuei Area of Southern Taiwan. <i>Aerosol and Air Quality Research</i> , 2016, 16, 2227-2236.	2.1	7
66	Emissions of polycyclic aromatic hydrocarbons from thermal pre-treatment of waste hydrodesulfurization catalysts. <i>Chemosphere</i> , 2007, 69, 200-208.	8.2	6
67	Electro-Regeneration of Ce(IV) in Simulated Spent Cr-Etching Solutions Containing Abundant Ce(III). <i>Journal of the Electrochemical Society</i> , 2009, 156, E192.	2.9	6
68	Electrochemical Degradation of Diethyl Phthalate under Different Operating Conditions. <i>International Journal of Electrochemical Science</i> , 2016, , 5009-5020.	1.3	6
69	Electrochemical Degradation of Bisphenol A in Water with/without Ce(IV) Addition. <i>International Journal of Electrochemical Science</i> , 2017, , 12098-12111.	1.3	6
70	Characteristics of Exhaust Emissions of a Diesel Generator Fueled with Water-Containing Butanol and Waste-Edible-Oil-Biodiesel Blends. <i>Aerosol and Air Quality Research</i> , 2015, 15, 2129-213*.	2.1	6
71	Release Reductions of Gaseous Ammonia and Nitrogen Oxides from Electrochemical Treatment of Swine Wastewater. <i>Aerosol and Air Quality Research</i> , 2019, 19, 2490-2501.	2.1	6
72	Effects of NH ₄ on Ce(IV) electro-regeneration in simulated and real spent TFT-LCD Cr-etching solutions. <i>Journal of Environmental Management</i> , 2012, 104, 85-90.	7.8	5

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73	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
74	Biological Toxicities of Exhausts from a Diesel-Generator Fueled with Water-Containing Acetone/Butanol and Waste-Edible-Oil-Biodiesel Blends. Aerosol and Air Quality Research, 2015, 15, 2668-2675.	2.1	5
75	Emission Characteristics of Particulate Matter and Particle-bound Metals from a Diesel Engine Generator Fueled with Waste Cooking Oil-based Biodiesel Blended with n-Butanol and Acetone. Aerosol and Air Quality Research, 2018, 18, 1246-1254.	2.1	5
76	Characteristics of PM _{2.5} -bound PCDD/Fs, PCBs, PBDD/Fs and PBDEs from a Diesel Generator Using Waste Cooking Oil-based Biodiesel Blends. Aerosol and Air Quality Research, 2018, 18, 2583-2590.	2.1	5
77	Effect of Operating Conditions on PAHs Emission from a Single H ₂ -O ₂ PEM Fuel Cell. Aerosol and Air Quality Research, 2016, 16, 2186-2197.	2.1	4
78	Regeneration of cerium(IV) in different spent chromium-etching solutions collected from thin-film transistor liquid crystal display manufacturing factories. Clean Technologies and Environmental Policy, 2016, 18, 1043-1052.	4.1	4
79	An alternative approach to reclaim spent nickel-metal hydride batteries. Environmental Progress and Sustainable Energy, 2020, 39, e13433.	2.3	4
80	Persistent Organic Pollutant Reductions from a Diesel Engine Generator Fueled with Waste Cooking Oil-based Biodiesel Blended with Butanol and Acetone. Aerosol and Air Quality Research, 2017, 17, 2041-2050.	2.1	4
81	Electro-regeneration of Ce(IV) in real spent Cr-etching solutions. Journal of Hazardous Materials, 2013, 262, 775-781.	12.4	3
82	Size distributions of PM, carbons and PAHs emitted from a generator using blended fuels containing water. Science of the Total Environment, 2015, 536, 252-260.	8.0	3
83	Characterization of the products attained from a thermal treatment of a mix of zinc-carbon and alkaline batteries. Environmental Technology (United Kingdom), 2016, 37, 1490-1500.	2.2	3
84	Electrochemical Degradation of Lincomycin in Prepared and Environmental Aqueous Matrices. International Journal of Electrochemical Science, 2017, 12, 12112-12124.	1.3	3
85	Electrochemical Degradation of Acetaminophen in the Absence/Presence of Ce(IV). International Journal of Electrochemical Science, 2018, , 12391-12403.	1.3	3
86	Emission of PAHs from a Single Hydrogen-Oxygen PEM Fuel Cell: In Relation to Fuel Cell Carbon Materials. Aerosol and Air Quality Research, 2015, 15, 2654-2667.	2.1	3
87	Gas- and Water-Phase PAHs Emitted from a Single Hydrogen-Oxygen PEM Fuel Cell. Aerosol and Air Quality Research, 2018, 18, 433-443.	2.1	3
88	Characteristics of Emissions from a Portable Two-stroke Gasoline Engine. Aerosol and Air Quality Research, 2020, 20, 630-642.	2.1	3
89	New Approach for Methane Conversion Using an rf Discharge Reactor. 2. Characteristic of Polycyclic Aromatic Hydrocarbon Emissions. Industrial & Engineering Chemistry Research, 2005, 44, 6566-6571.	3.7	2
90	Toxicity assessment of electrochemical advanced oxidation process-treated groundwater from a gas station with petrochemical contamination. Environmental Monitoring and Assessment, 2020, 192, 473.	2.7	2

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91	Effects of Operating Parameters on Gas-phase PAH Emissions from a Direct Methanol Fuel Cell. <i>Aerosol and Air Quality Research</i> , 2019, 19, 2196-2204.	2.1	2
92	Effect of traffic loading on particle-bound water-soluble ions and carbons collected near a busy road and at an urban site. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2010, 45, 1839-1849.	1.7	1
93	Electrochemical Degradation of Acetaminophen in the Presence of Different Redox Mediator Systems. <i>International Journal of Electrochemical Science</i> , 2019, , 10943-10955.	1.3	1
94	SSPHE special session on environmental science, pollution, and sustainability. <i>Environmental Science and Pollution Research</i> , 2019, 26, 17865-17865.	5.3	0
95	Emission of Liquid-phase Polycyclic Aromatic Hydrocarbons from a Direct Methanol Fuel Cell. <i>Aerosol and Air Quality Research</i> , 2019, 19, 2032-2042.	2.1	0
96	Degradation of N,N-diethyl-m-toluamid (DEET) on lead dioxide electrodes in different environmental aqueous matrixes. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2015, 50, 931-40.	1.7	0