

Sheng-Lun Lin

List of Publications by Year in descending order

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68
papers

1,694
citations

394286

19
h-index

302012

39
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68
all docs

68
docs citations

68
times ranked

1814
citing authors

#	ARTICLE	IF	CITATIONS
1	Pretreatment, modification and applications of sewage sludge-derived biochar for resource recovery-A review. <i>Chemosphere</i> , 2022, 287, 131969.	4.2	65
2	Ultra-low PCDD/F emissions and their particle size and mass distribution in a hazardous waste treatment system. <i>Journal of Hazardous Materials</i> , 2022, 423, 127032.	6.5	4
3	Use of hydrous ABE-glycerin-diesel microemulsions in a nonroad diesel engine "Performance and unignorable emissions. <i>Chemosphere</i> , 2022, 290, 133244.	4.2	5
4	EFFECTS OF EXHAUST EMISSIONS FROM DIESEL ENGINE APPLICATIONS ON ENVIRONMENT AND HEALTH: A REVIEW. <i>Journal of Sustainability Science and Management</i> , 2022, 17, 281-301.	0.2	2
5	Chemical Characterization of Water-soluble Ions and Metals in Particulate Matter Generated by a Portable Two-stroke Gasoline Engine. <i>Aerosol and Air Quality Research</i> , 2021, 21, 200632.	0.9	0
6	Inhibition of the Wall-attached Fuel Combustion and the Formation of Aerosol Particle. <i>Aerosol and Air Quality Research</i> , 2021, 21, 210138.	0.9	1
7	Toxicity of Low-dose Graphene Oxide Nanoparticles in an in-vivo Wild Type of <i>Caenorhabditis elegans</i> Model. <i>Aerosol and Air Quality Research</i> , 2021, 21, 200559.	0.9	10
8	https://www.crossref.org/webDeposit/ . <i>Aerosol and Air Quality Research</i> , 2021, , 200624.	0.9	2
9	Integrated analysis of source-specific risks for PM2.5-bound metals in urban, suburban, rural, and industrial areas. <i>Environmental Pollution</i> , 2021, 275, 116652.	3.7	27
10	Comparative effect of fuel ethanol content on regulated and unregulated emissions from old model vehicles: An assessment and policy implications. <i>Atmospheric Pollution Research</i> , 2021, 12, 66-75.	1.8	7
11	A novel flameless oxidation and in-chamber melting system coupled with advanced scrubbers for a laboratory waste plant. <i>Waste Management</i> , 2021, 126, 706-718.	3.7	6
12	Numerical Investigation of Negative Temperature Coefficient Effects on Sooting Characteristics in a Laminar Co-flow Diffusion Flame. <i>ACS Omega</i> , 2021, 6, 15156-15167.	1.6	3
13	Evaluation of fuel consumption, pollutant emissions and well-to-wheel GHGs assessment from a vehicle operation fueled with bioethanol, gasoline and hydrogen. <i>Energy</i> , 2020, 209, 118436.	4.5	35
14	An alternative approach to reclaim spent nickel"metal hydride batteries. <i>Environmental Progress and Sustainable Energy</i> , 2020, 39, e13433.	1.3	4
15	Data on greenhouse gases emission of fuels in power plants in Malaysia during the year of 1990"2017. <i>Data in Brief</i> , 2020, 30, 105440.	0.5	5
16	Toxicity assessment of electrochemical advanced oxidation process-treated groundwater from a gas station with petrochemical contamination. <i>Environmental Monitoring and Assessment</i> , 2020, 192, 473.	1.3	2
17	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.	0.9	8
18	Using a State-of-the-art Air Pollution Control System to Lower Pollutant Emissions. <i>Aerosol and Air Quality Research</i> , 2020, 20, 1145-1154.	0.9	1

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19	Characteristics of Emissions from a Portable Two-stroke Gasoline Engine. <i>Aerosol and Air Quality Research</i> , 2020, 20, 630-642.	0.9	3
20	Newer Generation of Scooters: Polychlorinated Dibenzo-p-dioxin and Dibenzofuran and Polychlorinated Biphenyl Reductions. <i>Aerosol and Air Quality Research</i> , 2020, 20, 1495-1509.	0.9	2
21	Effects of a quenching treatment on PCDD/F reduction in the bottom ash of a lab waste incinerator to save the energy and cost incurred from post-thermal treatment. <i>Waste Management</i> , 2019, 95, 316-324.	3.7	15
22	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.	1.2	37
23	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.	0.9	20
24	Emissions of PM2.5-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.	0.9	9
25	Emission of Carbonyl Compounds from Cooking Oil Fumes in the Night Market Areas. <i>Aerosol and Air Quality Research</i> , 2019, 19, 1566-1578.	0.9	9
26	A Big Data Analysis of PM2.5 and PM10 from Low Cost Air Quality Sensors near Traffic Areas. <i>Aerosol and Air Quality Research</i> , 2019, 19, 1721-1733.	0.9	14
27	Air Pollution Characteristics of Reclamation of Refuse Derived Fuel (RDF) Recovered from Cutting Oil Waste. <i>Aerosol and Air Quality Research</i> , 2019, 19, 2576-2584.	0.9	2
28	Chemical Adsorption of Nitrogen Dioxide with an Activated Carbon Adsorption System. <i>Aerosol and Air Quality Research</i> , 2019, 19, 2568-2575.	0.9	11
29	Reduction of atmospheric fine particle level by restricting the idling vehicles around a sensitive area. <i>Journal of the Air and Waste Management Association</i> , 2018, 68, 656-670.	0.9	14
30	Evaluation of the reduction in carbonyl emissions and ozone formation potential from the exhaust of a heavy-duty diesel engine by hydrogen-diesel dual fuel combustion. <i>Applied Thermal Engineering</i> , 2018, 132, 586-594.	3.0	21
31	Reduction of traditional pollutants and polychlorinated dibenzo-p-dioxins and dibenzofurans emitted from a diesel engine generator equipped with a catalytic ceramic fiber filter system. <i>Clean Technologies and Environmental Policy</i> , 2018, 20, 1297-1309.	2.1	11
32	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. <i>Aerosol and Air Quality Research</i> , 2018, 18, 1246-1254.	0.9	5
33	Levels of Non-PBDE Halogenated Fire Retardants and Brominated Dioxins and their Toxicological Effects in Indoor Environments - A Review. <i>Aerosol and Air Quality Research</i> , 2018, 18, 2047-2063.	0.9	14
34	Atmospheric Deposition Impact of Polychlorinated Dibenzo-p-dioxin and Dibenzofuran on an Aquatic System in Central Taiwan. <i>Aerosol and Air Quality Research</i> , 2018, 18, 981-993.	0.9	1
35	Ambient PM2.5 in the residential area near industrial complexes: Spatiotemporal variation, source apportionment, and health impact. <i>Science of the Total Environment</i> , 2017, 590-591, 204-214.	3.9	84
36	Reduction of Persistent Organic Pollutant Emissions during Incinerator Start-up by Using Crude Waste Cooking Oil as an Alternative Fuel. <i>Aerosol and Air Quality Research</i> , 2017, 17, 899-912.	0.9	17

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37	PBDE Emissions during the Start-up Procedure of an Industrial Waste Incinerator by the Co-Combustion of Waste Cooking Oil and Diesel Fuel. <i>Aerosol and Air Quality Research</i> , 2017, 17, 975-989.	0.9	3
38	Influences of Waste Cooking Oil-Based Biodiesel Blends on PAH and PCDD/F Emissions from Diesel Engines in Durability Testing Cycle. <i>Aerosol and Air Quality Research</i> , 2017, 17, 1224-1233.	0.9	6
39	Effects of Selective Catalytic Reduction on the Emissions of Persistent Organic Pollutants from a Heavy-Duty Diesel Engine. <i>Aerosol and Air Quality Research</i> , 2017, 17, 1658-1665.	0.9	12
40	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.	0.9	8
41	Persistent Organic Pollutant Reductions from a Diesel Engine Generator Fueled with Waste Cooking Oil-based Biodiesel Blended with Butanol and Acetone. <i>Aerosol and Air Quality Research</i> , 2017, 17, 2041-2050.	0.9	4
42	Reduction of Atmospheric PM _{2.5} Level by Restricting the Idling Operation of Buses in a Busy Station. <i>Aerosol and Air Quality Research</i> , 2017, 17, 2424-2437.	0.9	10
43	Atmospheric PM _{2.5} and Polychlorinated Dibenzo-p-dioxin and Dibenzofuran in a Coastal Area of Central Taiwan. <i>Aerosol and Air Quality Research</i> , 2017, 17, 2829-2846.	0.9	2
44	Characteristics of Atmospheric PM _{2.5} in a Densely Populated City with Multi-Emission Sources. <i>Aerosol and Air Quality Research</i> , 2016, 16, 2145-2158.	0.9	15
45	Characteristics and Source Apportionment of Atmospheric PM _{2.5} at a Coastal City in Southern Taiwan. <i>Aerosol and Air Quality Research</i> , 2016, 16, 1022-1034.	0.9	29
46	Reducing pollutant emissions from a heavy-duty diesel engine by using hydrogen additions. <i>Fuel</i> , 2016, 172, 89-95.	3.4	71
47	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.	0.9	33
48	Elemental characterization and source apportionment of PM ₁₀ and PM _{2.5} in the western coastal area of central Taiwan. <i>Science of the Total Environment</i> , 2016, 541, 1139-1150.	3.9	184
49	Emissions of polychlorinated diphenyl ethers from a municipal solid waste incinerator during the start-up operation. <i>Journal of Hazardous Materials</i> , 2015, 299, 206-214.	6.5	7
50	Utilization and Improvement of the Adsorption Method for Sampling PCDD/Fs from a Sinter Plant. <i>Aerosol and Air Quality Research</i> , 2015, 15, 1917-1932.	0.9	4
51	Characteristics of Concentrations and Metal Compositions for PM _{2.5} and PM _{2.5-10} in Yunlin County, Taiwan during Air Quality Deterioration. <i>Aerosol and Air Quality Research</i> , 2015, 15, 2571-2583.	0.9	39
52	Energy Saving and Pollution Reduction by Adding Water Containing Iso-Butanol and Iso-Propyl Alcohol in a Diesel Engine. <i>Aerosol and Air Quality Research</i> , 2015, 15, 2115-2128.	0.9	14
53	Accumulation and elimination of polychlorinated dibenzo-p-dioxins and dibenzofurans in mule ducks. <i>Science of the Total Environment</i> , 2014, 497-498, 260-266.	3.9	4
54	Long-term monitoring and modeling of polychlorinated dibenzo-p-dioxins and dibenzofurans from municipal solid waste incinerators and surrounding area in northern Taiwan. <i>Environmental Science and Pollution Research</i> , 2014, 21, 10751-10764.	2.7	4

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55	Study on the spray and combustion characteristics of water-emulsified diesel. <i>Fuel</i> , 2014, 123, 218-229.	3.4	125
56	Validation and Characterization of Persistent Organic Pollutant Emissions from Stack Flue Gases of an Electric Arc Furnace by Using a Long-Term Sampling System (AMESAA®). <i>Aerosol and Air Quality Research</i> , 2014, 14, 185-196.	0.9	19
57	Emissions of PCDD/Fs and PCBs during the Cold Start-up of Municipal Solid Waste Incinerators. <i>Aerosol and Air Quality Research</i> , 2014, 14, 1593-1604.	0.9	16
58	Green energy: Water-containing acetone-butanol-ethanol diesel blends fueled in diesel engines. <i>Applied Energy</i> , 2013, 109, 182-191.	5.1	174
59	Atmospheric Arsenic Deposition in Chiayi County in Southern Taiwan. <i>Aerosol and Air Quality Research</i> , 2013, 13, 932-942.	0.9	5
60	Reduction in emissions of nitrogen oxides, particulate matter, and polycyclic aromatic hydrocarbon by adding water-containing butanol into a diesel-fueled engine generator. <i>Fuel</i> , 2012, 93, 364-372.	3.4	74
61	Emissions of Polybrominated Diphenyl Ethers during the Thermal Treatment for Electric Arc Furnace Fly Ash. <i>Aerosol and Air Quality Research</i> , 2012, 12, 237-250.	0.9	12
62	Energy Savings and Emission Reduction of Traditional Pollutants, Particulate Matter, and Polycyclic Aromatic Hydrocarbon Using Solvent-Containing Water Emulsified Heavy Fuel Oil in Boilers. <i>Energy & Fuels</i> , 2011, 25, 1537-1546.	2.5	15
63	Assessment of energy performance and air pollutant emissions in a diesel engine generator fueled with water-containing ethanol-biodiesel-diesel blend of fuels. <i>Energy</i> , 2011, 36, 5591-5599.	4.5	114
64	Fate of Polychlorinated Dibenzo-p-dioxins and Dibenzofurans during the Thermal Treatment of Electric Arc Furnace Fly Ash. <i>Aerosol and Air Quality Research</i> , 2011, 11, 584-595.	0.9	21
65	Distribution of polybrominated diphenyl ethers (PBDEs) and polybrominated dibenzo-p-dioxins and dibenzofurans (PBDD/Fs) in municipal solid waste incinerators. <i>Environmental Pollution</i> , 2010, 158, 1595-1602.	3.7	123
66	Energy Savings and Emission Reduction of Nitrogen Oxides, Particulate Matter, and Polycyclic Aromatic Hydrocarbons by Adding Water-Containing Acetone and Neat Soybean Oil to a Diesel-Fueled Engine Generator. <i>Energy & Fuels</i> , 2010, 24, 4522-4533.	2.5	53
67	Emissions from Using Viscous Agent-Treated Fishing Boat Fuel Oil: Tests with a Heavy-Duty Diesel Engine (HDDE) Dynamometer. <i>Aerosol and Air Quality Research</i> , 2010, 10, 76-85.	0.9	9
68	Emissions in the exhaust of fishing boats after adding viscous agents into fuel oils. <i>Science of the Total Environment</i> , 2009, 408, 233-241.	3.9	9