## Sheng-Lun Lin

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Pretreatment, modification and applications of sewage sludge-derived biochar for resource recovery- A review. Chemosphere, 2022, 287, 131969.	8.2	65
2	Ultra-low PCDD/F emissions and their particle size and mass distribution in a hazardous waste treatment system. Journal of Hazardous Materials, 2022, 423, 127032.	12.4	4
3	Use of hydrous ABE-glycerin-diesel microemulsions in a nonroad diesel engine – Performance and unignorable emissions. Chemosphere, 2022, 290, 133244.	8.2	5
4	EFFECTS OF EXHAUST EMISSIONS FROM DIESEL ENGINE APPLICATIONS ON ENVIRONMENT AND HEALTH: A REVIEW. Journal of Sustainability Science and Management, 2022, 17, 281-301.	0.5	2
5	Chemical Characterization of Water-soluble Ions and Metals in Particulate Matter Generated by a Portable Two-stroke Gasoline Engine. Aerosol and Air Quality Research, 2021, 21, 200632.	2.1	0
6	Inhibition of the Wall-attached Fuel Combustion and the Formation of Aerosol Particle. Aerosol and Air Quality Research, 2021, 21, 210138.	2.1	1
7	Toxicity of Low-dose Graphene Oxide Nanoparticles in an in-vivo Wild Type of Caenorhabditis elegans Model. Aerosol and Air Quality Research, 2021, 21, 200559.	2.1	10
8	https://www.crossref.org/webDeposit/. Aerosol and Air Quality Research, 2021, , 200624.	2.1	2
9	Integrated analysis of source-specific risks for PM2.5-bound metals in urban, suburban, rural, and industrial areas. Environmental Pollution, 2021, 275, 116652.	7.5	27
10	Comparative effect of fuel ethanol content on regulated and unregulated emissions from old model vehicles: An assessment and policy implications. Atmospheric Pollution Research, 2021, 12, 66-75.	3.8	7
11	A novel flameless oxidation and in-chamber melting system coupled with advanced scrubbers for a laboratory waste plant. Waste Management, 2021, 126, 706-718.	7.4	6
12	Numerical Investigation of Negative Temperature Coefficient Effects on Sooting Characteristics in a Laminar Co-flow Diffusion Flame. ACS Omega, 2021, 6, 15156-15167.	3.5	3
13	Evaluation of fuel consumption, pollutant emissions and well-to-wheel GHGs assessment from a vehicle operation fueled with bioethanol, gasoline and hydrogen. Energy, 2020, 209, 118436.	8.8	35
14	An alternative approach to reclaim spent nickel–metal hydride batteries. Environmental Progress and Sustainable Energy, 2020, 39, e13433.	2.3	4
15	Data on greenhouse gases emission of fuels in power plants in Malaysia during the year of 1990–2017. Data in Brief, 2020, 30, 105440.	1.0	5
16	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
17	Toxic Assessment of Heavily Traffic-related Fine Particulate Matter Using an in-vivo Wild-type Caenorhabditis elegans Model. Aerosol and Air Quality Research, 2020, 20, 1974-1986.	2.1	8
18	Using a State-of-the-art Air Pollution Control System to Lower Pollutant Emissions. Aerosol and Air Quality Research, 2020, 20, 1145-1154.	2.1	1

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19	Characteristics of Emissions from a Portable Two-stroke Gasoline Engine. Aerosol and Air Quality Research, 2020, 20, 630-642.	2.1	3
20	Newer Generation of Scooters: Polychlorinated Dibenzo-p-dioxin and Dibenzofuran and Polychlorinated Biphenyl Reductions. Aerosol and Air Quality Research, 2020, 20, 1495-1509.	2.1	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. Waste Management, 2019, 95, 316-324.	7.4	15
22	Residue Levels of Organochlorine Pesticides in Breast Milk and Its Associations with Cord Blood Thyroid Hormones and the Offspring's Neurodevelopment. International Journal of Environmental Research and Public Health, 2019, 16, 1438.	2.6	37
23	Fine Particulate Matter-induced Toxic Effects in an Animal Model of Caenorhabditis elegans. Aerosol and Air Quality Research, 2019, 19, 1068-1078.	2.1	20
24	Emissions of PM2.5-bound Polycyclic Aromatic Hydrocarbons and Metals from a Diesel Generator Fueled with Biodiesel Converted from Used Cooking Oil. Aerosol and Air Quality Research, 2019, 19, 1555-1565.	2.1	9
25	Emission of Carbonyl Compounds from Cooking Oil Fumes in the Night Market Areas. Aerosol and Air Quality Research, 2019, 19, 1566-1578.	2.1	9
26	A Big Data Analysis of PM2.5 and PM10 from Low Cost Air Quality Sensors near Traffic Areas. Aerosol and Air Quality Research, 2019, 19, 1721-1733.	2.1	14
27	Air Pollution Characteristics of Reclamation of Refuse Derived Fuel (RDF) Recovered from Cutting Oil Waste. Aerosol and Air Quality Research, 2019, 19, 2576-2584.	2.1	2
28	Chemical Adsorption of Nitrogen Dioxide with an Activated Carbon Adsorption System. Aerosol and Air Quality Research, 2019, 19, 2568-2575.	2.1	11
29	Reduction of atmospheric fine particle level by restricting the idling vehicles around a sensitive area. Journal of the Air and Waste Management Association, 2018, 68, 656-670.	1.9	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. Applied Thermal Engineering, 2018, 132, 586-594.	6.0	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. Clean Technologies and Environmental Policy, 2018, 20, 1297-1309.	4.1	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. Aerosol and Air Quality Research, 2018, 18, 1246-1254.	2.1	5
33	Levels of Non-PBDE Halogenated Fire Retardants and Brominated Dioxins and their Toxicological Effects in Indoor Environments - A Review. Aerosol and Air Quality Research, 2018, 18, 2047-2063.	2.1	14
34	Atmospheric Deposition Impact of Polychlorinated Dibenzo-p-dioxin and Dibenzofuran on an Aquatic System in Central Taiwan. Aerosol and Air Quality Research, 2018, 18, 981-993.	2.1	1
35	Ambient PM2.5 in the residential area near industrial complexes: Spatiotemporal variation, source apportionment, and health impact. Science of the Total Environment, 2017, 590-591, 204-214.	8.0	84
36	Reduction of Persistent Organic Pollutant Emissions during Incinerator Start-up by Using Crude Waste Cooking Oil as an Alternative Fuel. Aerosol and Air Quality Research, 2017, 17, 899-912.	2.1	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. Aerosol and Air Quality Research, 2017, 17, 975-989.	2.1	3
38	Influences of Waste Cooking Oil-Based Biodiesel Blends on PAH and PCDD/F Emissions from Diesel Engines in Durability Testing Cycle. Aerosol and Air Quality Research, 2017, 17, 1224-1233.	2.1	6
39	Effects of Selective Catalytic Reduction on the Emissions of Persistent Organic Pollutants from a Heavy-Duty Diesel Engine. Aerosol and Air Quality Research, 2017, 17, 1658-1665.	2.1	12
40	Emissions of Polycyclic Aromatic Hydrocarbons and Particle-Bound Metals from a Diesel Engine Generator Fueled with Waste Cooking Oil-Based Biodiesel Blends. Aerosol and Air Quality Research, 2017, 17, 1679-1689.	2.1	8
41	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
42	Reduction of Atmospheric PM2.5 Level by Restricting the Idling Operation of Buses in a Busy Station. Aerosol and Air Quality Research, 2017, 17, 2424-2437.	2.1	10
43	Atmospheric PM2.5 and Polychlorinated Dibenzo-p-dioxin and Dibenzofuran in a Coastal Area of Central Taiwan. Aerosol and Air Quality Research, 2017, 17, 2829-2846.	2.1	2
44	Characteristics of Atmospheric PM2.5 in a Densely Populated City with Multi-Emission Sources. Aerosol and Air Quality Research, 2016, 16, 2145-2158.	2.1	15
45	Characteristics and Source Apportionment of Atmospheric PM2.5 at a Coastal City in Southern Taiwan. Aerosol and Air Quality Research, 2016, 16, 1022-1034.	2.1	29
46	Reducing pollutant emissions from a heavy-duty diesel engine by using hydrogen additions. Fuel, 2016, 172, 89-95.	6.4	71
47	Characterization of spent nickel–metal hydride batteries and a preliminary economic evaluation of the recovery processes. Journal of the Air and Waste Management Association, 2016, 66, 296-306.	1.9	33
48	Elemental characterization and source apportionment of PM 10 and PM 2.5 in the western coastal area of central Taiwan. Science of the Total Environment, 2016, 541, 1139-1150.	8.0	184
49	Emissions of polychlorinated diphenyl ethers from a municipal solid waste incinerator during the start-up operation. Journal of Hazardous Materials, 2015, 299, 206-214.	12.4	7
50	Utilization and Improvement of the Adsorption Method for Sampling PCDD/Fs from a Sinter Plant. Aerosol and Air Quality Research, 2015, 15, 1917-1932.	2.1	4
51	Characteristics of Concentrations and Metal Compositions for PM2.5 and PM2.5-10 in Yunlin County, Taiwan during Air Quality Deterioration. Aerosol and Air Quality Research, 2015, 15, 2571-2583.	2.1	39
52	Energy Saving and Pollution Reduction by Adding Water Containing Iso-Butanol and Iso-Propyl Alcohol in a Diesel Engine. Aerosol and Air Quality Research, 2015, 15, 2115-2128.	2.1	14
53	Accumulation and elimination of polychlorinated dibenzo- p -dioxins and dibenzofurans in mule ducks. Science of the Total Environment, 2014, 497-498, 260-266.	8.0	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. Environmental Science and Pollution Research, 2014, 21, 10751-10764.	5.3	4

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55	Study on the spray and combustion characteristics of water–emulsified diesel. Fuel, 2014, 123, 218-229.	6.4	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 (AMESA®). Aerosol and Air Quality Research, 2014, 14, 185-196.	2.1	19
57	Emissions of PCDD/Fs and PCBs during the Cold Start-up of Municipal Solid Waste Incinerators. Aerosol and Air Quality Research, 2014, 14, 1593-1604.	2.1	16
58	Green energy: Water-containing acetone–butanol–ethanol diesel blends fueled in diesel engines. Applied Energy, 2013, 109, 182-191.	10.1	174
59	Atmospheric Arsenic Deposition in Chiayi County in Southern Taiwan. Aerosol and Air Quality Research, 2013, 13, 932-942.	2.1	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. Fuel, 2012, 93, 364-372.	6.4	74
61	Emissions of Polybrominated Diphenyl Ethers during the Thermal Treatment for Electric Arc Furnace Fly Ash. Aerosol and Air Quality Research, 2012, 12, 237-250.	2.1	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. Energy & Fuels, 2011, 25, 1537-1546.	5.1	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. Energy, 2011, 36, 5591-5599.	8.8	114
64	Fate of Polychlorinated Dibenzo-p-dioxins and Dibenzofurans during the Thermal Treatment of Electric Arc Furnace Fly Ash. Aerosol and Air Quality Research, 2011, 11, 584-595.	2.1	21
65	Distribution of polybrominated diphenyl ethers (PBDEs) and polybrominated dibenzo-p-dioxins and dibenzofurans (PBDD/Fs) in municipal solid waste incinerators. Environmental Pollution, 2010, 158, 1595-1602.	7.5	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. Energy & Fuels, 2010, 24, 4522-4533.	5.1	53
67	Emissions from Using Viscous Agent-Treated Fishing Boat Fuel Oil: Tests with a Heavy-Duty Diesel Engine (HDDE) Dynamometer. Aerosol and Air Quality Research, 2010, 10, 76-85.	2.1	9
68	Emissions in the exhaust of fishing boats after adding viscous agents into fuel oils. Science of the Total Environment, 2009, 408, 233-241.	8.0	9