Chiang Hung Lung

List of Publications by Year
in descending order

73	2,494	186265 28	214800 47
papers	citations	h-index	g-index

74	74	74	3253
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The surface characteristics of activated carbon as affected by ozone and alkaline treatment. Chemosphere, 2002, 47, 257-265.	8.2	166
2	Adsorption characteristics of acetone, chloroform and acetonitrile on sludge-derived adsorbent, commercial granular activated carbon and activated carbon fibers. Journal of Hazardous Materials, 2008, 154, 1183-1191.	12.4	152
3	Chemical constituents in particulate emissions from an integrated iron and steel facility. Journal of Hazardous Materials, 2007, 147, 111-119.	12.4	133
4	The effect of prenatal perfluorinated chemicals exposures on pediatric atopy. Environmental Research, 2011, 111, 785-791.	7.5	107
5	Characteristics of bricks made from waste steel slag. Waste Management, 2004, 24, 1043-1047.	7.4	104
6	Adsorption characteristics of Orange II and Chrysophenine on sludge adsorbent and activated carbon fibers. Journal of Hazardous Materials, 2009, 161, 1384-1390.	12.4	90
7	Pyrolysis characteristics of integrated circuit boards at various particle sizes and temperatures. Journal of Hazardous Materials, 2007, 149, 151-159.	12.4	81
8	Ozonation of activated carbon and its effects on the adsorption of VOCs exemplified by methylethylketone and benzene. Chemosphere, 2002, 47, 267-275.	8.2	77
9	The speciation of volatile organic compounds (VOCs) from motorcycle engine exhaust at different driving modes. Atmospheric Environment, 2003, 37, 2485-2496.	4.1	74
10	Pollutant constituents of exhaust emitted from light-duty diesel vehicles. Atmospheric Environment, 2012, 47, 399-406.	4.1	71
11	Development of a local real world driving cycle for motorcycles for emission factor measurements. Atmospheric Environment, 2005, 39, 6631-6641.	4.1	70
12	Liquid oil and residual characteristics of printed circuit board recycle by pyrolysis. Journal of Hazardous Materials, 2014, 271, 258-265.	12.4	66
13	Emission factors and characteristics of criteria pollutants and volatile organic compounds (VOCs) in a freeway tunnel study. Science of the Total Environment, 2007, 381, 200-211.	8.0	65
14	Volatile organic compound constituents from an integrated iron and steel facility. Journal of Hazardous Materials, 2008, 157, 569-578.	12.4	65
15	Volatile organic compounds from the exhaust of light-duty diesel vehicles. Atmospheric Environment, 2012, 61, 499-506.	4.1	63
16	Removal of H2S from Exhaust Gas by Use of Alkaline Activated Carbon. Adsorption, 2001, 7, 357-366.	3.0	62
17	Characteristics of Road Dust from Different Sampling Sites in Northern Taiwan. Journal of the Air and Waste Management Association, 2005, 55, 1236-1244.	1.9	58
18	Characteristics of elements in waste ashes from a solid waste incinerator in Taiwan. Journal of Hazardous Materials, 2009, 165, 766-773.	12.4	56

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19	VOC concentration profiles in an ozone non-attainment area: A case study in an urban and industrial complex metroplex in southern Taiwan. Atmospheric Environment, 2007, 41, 1848-1860.	4.1	48
20	Effects of ethanol-blended gasoline on air pollutant emissions from motorcycle. Science of the Total Environment, 2009, 407, 5257-5262.	8.0	42
21	Size Distribution and Water Soluble Ions of Ambient Particulate Matter on Episode and Non-episode Days in Southern Taiwan. Aerosol and Air Quality Research, 2012, 12, 263-274.	2.1	42
22	Health risk assessment of exposure to selected volatile organic compounds emitted from an integrated iron and steel plant. Inhalation Toxicology, 2010, 22, 117-125.	1.6	41
23	Application of methods (sequential extraction procedures and high-pressure digestion method) to fly ash particles to determine the element constituents: A case study for BCR 176. Journal of Hazardous Materials, 2009, 163, 578-587.	12.4	38
24	Characteristics of volatile organic compounds from motorcycle exhaust emission during real-world driving. Atmospheric Environment, 2014, 99, 215-226.	4.1	33
25	Comparison of the regulated air pollutant emission characteristics of real-world driving cycle and ECE cycle for motorcycles. Atmospheric Environment, 2014, 87, 1-9.	4.1	32
26	Temperature influence on product distribution and characteristics of derived residue and oil in wet sludge pyrolysis using microwave heating. Science of the Total Environment, 2017, 584-585, 1248-1255.	8.0	32
27	Effect of metal additives on the physico-chemical characteristics of activated carbon exemplified by benzene and acetic acid adsorption. Carbon, 1999, 37, 1919-1928.	10.3	31
28	Constituents of volatile organic compounds of evaporating essential oil. Atmospheric Environment, 2009, 43, 5743-5749.	4.1	30
29	Exhaust constituent emission factors of printed circuit board pyrolysis processes and its exhaust control. Journal of Hazardous Materials, 2014, 264, 545-551.	12.4	29
30	Deterioration of gasoline vehicle emissions and effectiveness of tune-up for high-polluted vehicles. Transportation Research, Part D: Transport and Environment, 2008, 13, 47-53.	6.8	26
31	Characteristics of Water-Soluble Ionic Species in Fine (PM_{2.5}) and Coarse Particulate Matter (PM_{10â€“2.5}) in Kaohsiung, Southern Taiwan. Journal of the Air and Waste Management Association, 2008, 58, 1579-1589.	1.9	26
32	Determination of Volatile Organic Profiles and Photochemical Potentials from Chemical Manufacture Process Vents. Journal of the Air and Waste Management Association, 2007, 57, 698-704.	1.9	25
33	Characteristics of exhaust gas, liquid products, and residues of printed circuit boards using the pyrolysis process. Environmental Science and Pollution Research, 2010, 17, 624-633.	5.3	25
34	Element and PAH constituents in the residues and liquid oil from biosludge pyrolysis in an electrical thermal furnace. Science of the Total Environment, 2014, 481, 533-541.	8.0	24
35	Air pollutants and toxic emissions of various mileage motorcycles for ECE driving cycles. Atmospheric Environment, 2017, 153, 126-134.	4.1	22
36	Spatiotemporal variability of submicrometer particle number size distributions in an air quality management district. Science of the Total Environment, 2012, 425, 135-145.	8.0	21

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37	Pyrolytic product characteristics of biosludge from the wastewater treatment plant of a petrochemical industry. Journal of Hazardous Materials, 2009, 171, 208-214.	12.4	20
38	Particulate matter and gaseous pollutants during a tropical storm and air pollution episode in Southern Taiwan. Atmospheric Research, 2011, 99, 67-79.	4.1	20
39	RESIDUE CHARACTERISTICS AND PORE DEVELOPMENT OF PETROCHEMICAL INDUSTRY SLUDGE PYROLYSIS. Water Research, 2001, 35, 4331-4338.	11.3	19
40	Pyrolytic kinetics of sludge from a petrochemical factory wastewater treatment plantâ€“â€“a transition state theory approach. Chemosphere, 2002, 49, 431-437.	8.2	19
41	Comparison of Exhaust Emissions Resulting from Cold- and Hot-Start Motorcycle Driving Modes. Journal of the Air and Waste Management Association, 2009, 59, 1339-1346.	1.9	18
42	Exhaust characteristics during the pyrolysis of ZnCl2 immersed biosludge. Journal of Hazardous Materials, 2012, 229-230, 233-244.	12.4	15
43	Fuel Economy and Volatile Organic Compound Exhaust Emission for Motorcycles with Various Running Mileages. Aerosol and Air Quality Research, 2018, 18, 3056-3067.	2.1	15
44	Mass-Size Distributions of Particulate Sulfate, Nitrate, and Ammonium in a Particulate Matter Nonattainment Region in Southern Taiwan. Journal of the Air and Waste Management Association, 2005, 55, 502-509.	1.9	14
45	Carbonyl species characteristics during the evaporation of essential oils. Atmospheric Environment, 2010, 44, 2240-2247.	4.1	14
46	Carbon material formation on SBA-15 and Ni-SBA-15 and residue constituents during acetylene decomposition. Journal of Hazardous Materials, 2014, 276, 43-51.	12.4	14
47	Airborne pollutant characteristics in an urban, industrial and agricultural complex metroplex with high emission loading and ammonia concentration. Science of the Total Environment, 2014, 494-495, 74-83.	8.0	14
48	Microwave-pyrolysis treatment of biosludge from a chemical industrial wastewater treatment plant for exploring product characteristics and potential energy recovery. Energy, 2020, 199, 117446.	8.8	14
49	A Sequential Extraction Method Measures the Toxic Metal Content in Fly Ash from a Municipal Solid Waste Incinerator. Journal of the Chinese Chemical Society, 2005, 52, 921-926.	1.4	13
50	Criteria Pollutants and Volatile Organic Compounds Emitted from Motorcycle Exhaust under Various Regulation Phases. Aerosol and Air Quality Research, 2017, 17, 1214-1223.	2.1	13
51	Carbon material formation and residue characteristics of SBA-15 and nickel impregnated SBA-15 as exemplified by acetone decomposition. Microporous and Mesoporous Materials, 2019, 279, 286-292.	4.4	12
52	Adsorption Kinetic Characteristics of H2S on Activated Carbon. Adsorption, 2002, 8, 325-340.	3.0	11
53	Volatile Organic Proï¬les and Photochemical Potentials from Motorcycle Engine Exhaust. Journal of the Air and Waste Management Association, 2003, 53, 516-522.	1.9	10
54	Water-soluble ionic species of coarse and fine particulate matter and gas precursor characteristics at urban and rural sites of central Taiwan. Environmental Science and Pollution Research, 2016, 23, 16722-16737.	5.3	10

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55	Adsorption Characteristics of Benzene on Biosolid Adsorbent and Commercial Activated Carbons. Journal of the Air and Waste Management Association, 2006, 56, 591-600.	1.9	9
56	Size mass distribution of water-soluble ionic species and gas conversion to sulfate and nitrate in particulate matter in southern Taiwan. Environmental Science and Pollution Research, 2013, 20, 4587-4602.	5.3	9
57	The Reuse of Biosludge as an Adsorbent from a Petrochemical Wastewater Treatment Plant. Journal of the Air and Waste Management Association, 2003, 53, 1042-1051.	1.9	8
58	Carbon fiber formation on Pd and Ni catalysts by acetylene decomposition. Journal of Alloys and Compounds, 2007, 434-435, 846-849.	5.5	8
59	Residue characteristics of sludge from a chemical industrial plant by microwave heating pyrolysis. Environmental Science and Pollution Research, 2018, 25, 6487-6496.	5.3	8
60	Pyrolysis Kinetics and Residue Characteristics of Petrochemical Industrial Sludge. Journal of the Air and Waste Management Association, 2000, 50, 272-277.	1.9	7
61	Seasonal Source-Receptor Relationships in a Petrochemical Industrial District over Northern Taiwan. Journal of the Air and Waste Management Association, 2005, 55, 326-341.	1.9	6
62	Emissions of Organic Air Toxics from a Four-Stroke Motorcycle Using Ethanol-Blended Gasoline. Environmental Engineering Science, 2011, 28, 147-158.	1.6	6
63	Characteristics of Carbon Material Formation on SBA-15 and Ni-SBA-15 Templates by Acetylene Decomposition and Their Bioactivity Effects. Materials, 2016, 9, 350.	2.9	6
64	Air Pollutant Emission Abatement of the Fossil-Fuel Power Plants by Multiple Control Strategies in Taiwan. Energies, 2021, 14, 5716.	3.1	5
65	Comparison of a single grain activated carbon and column adsorption system. Carbon, 2002, 40, 2921-2930.	10.3	4
66	Particulate Composition Characteristics under Different Ambient Air Quality Conditions. Journal of the Air and Waste Management Association, 2011, 61, 796-805.	1.9	4
67	Characteristics of acetylene cracking on MCM-41 to form carbon materials and their exhaust emission. Microporous and Mesoporous Materials, 2018, 268, 100-108.	4.4	4
68	Microwave pyrolysis of sludge for potential use as land application and biofuel. Journal of Chemical Technology and Biotechnology, 2020, 95, 975-984.	3.2	4
69	Improvement of receptor model use in analytical aspect. Atmospheric Environment, 2007, 41, 9146-9158.	4.1	3
70	Emission factor of exhaust gas constituents during the pyrolysis of zinc chloride immersed biosolid. Environmental Science and Pollution Research, 2013, 20, 5781-5789.	5.3	3
71	Toluene decomposition on mesoporous templates to form carbon materials and residue characteristics. Journal of Alloys and Compounds, 2018, 748, 861-870.	5.5	3
72	Characteristics of particulate constituents and gas precursors during the episode and non-episode periods. Journal of the Air and Waste Management Association, 2013, 63, 27-40.	1.9	2

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73	Waste to Energy: Air Pollutant Emissions from the Steam Boilers Using Recycled Waste Wood. Aerosol and Air Quality Research, 2021, 21, 210301.	2.1	1