

Yuhan Huang

List of Publications by Year in descending order

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61
papers

1,917
citations

236912

25
h-index

276858

41
g-index

61
all docs

61
docs citations

61
times ranked

1262
citing authors

#	ARTICLE	IF	CITATIONS
1	Rapid detection of high-emitting vehicles by on-road remote sensing technology improves urban air quality. <i>Science Advances</i> , 2022, 8, eabl7575.	10.3	28
2	Efficient Graphical Algorithm of Sensor Distribution and Air Volume Reconstruction for a Smart Mine Ventilation Network. <i>Sensors</i> , 2022, 22, 2096.	3.8	11
3	Effect of sampling duration on the estimate of pollutant concentration behind a heavy-duty vehicle: A large-eddy simulation. <i>Environmental Pollution</i> , 2022, , 119132.	7.5	0
4	Incentive edge-based federated learning for false data injection attack detection on power grid state estimation: A novel mechanism design approach. <i>Applied Energy</i> , 2022, 314, 118828.	10.1	16
5	Progress in experimental investigations on evaporation characteristics of a fuel droplet. <i>Fuel Processing Technology</i> , 2022, 231, 107243.	7.2	32
6	Optimizing the performance of sweeping gas membrane distillation for treating naturally heated saline groundwater. <i>Desalination</i> , 2022, 532, 115736.	8.2	7
7	Effect of diesel particulate filter regeneration on fuel consumption and emissions performance under real-driving conditions. <i>Fuel</i> , 2022, 320, 123937.	6.4	22
8	Effects of turbulence intensity and n-pentanol concentration on droplet evaporation and auto-ignition. <i>Fuel</i> , 2022, 322, 124177.	6.4	9
9	A review of atmospheric fine particulate matters: chemical composition, source identification and their variations in Beijing. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2022, 44, 4783-4807.	2.3	5
10	Evaluation of hydrous ethanol as a fuel for internal combustion engines: A review. <i>Renewable Energy</i> , 2022, 194, 504-525.	8.9	46
11	Adsorption and desorption behavior of arsenite and arsenate at river sediment-water interface. <i>Journal of Environmental Management</i> , 2022, 317, 115497.	7.8	11
12	A new shift mechanism for micro-explosion of water-diesel emulsion droplets at different ambient temperatures. <i>Applied Energy</i> , 2022, 323, 119448.	10.1	22
13	Chemical and toxicological characterization of particulate emissions from diesel vehicles. <i>Journal of Hazardous Materials</i> , 2021, 405, 124613.	12.4	32
14	Dual injection: An effective and efficient technology to use renewable fuels in spark ignition engines. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 143, 110921.	16.4	41
15	Strategies for improving the emission performance of hybrid electric vehicles. <i>Science of the Total Environment</i> , 2021, 771, 144901.	8.0	38
16	A review of strategies for mitigating roadside air pollution in urban street canyons. <i>Environmental Pollution</i> , 2021, 280, 116971.	7.5	94
17	A review of water injection application on spark-ignition engines. <i>Fuel Processing Technology</i> , 2021, 221, 106956.	7.2	30
18	Advances in As contamination and adsorption in soil for effective management. <i>Journal of Environmental Management</i> , 2021, 296, 113274.	7.8	16

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19	Reducing vehicle fuel consumption and exhaust emissions from the application of a green-safety device under real driving. Science of the Total Environment, 2021, 793, 148602.	8.0	24
20	Impact of drivers on real-driving fuel consumption and emissions performance. Science of the Total Environment, 2021, 798, 149297.	8.0	19
21	Investigation of water injection benefits on downsized boosted direct injection spark ignition engine. Fuel, 2020, 264, 116765.	6.4	43
22	Statistical evaluation of on-road vehicle emissions measurement using a dual remote sensing technique. Environmental Pollution, 2020, 267, 115456.	7.5	11
23	Investigation of water spray evolution process of port water injection and its effect on engine performance. Fuel, 2020, 282, 118839.	6.4	16
24	Near-field dynamics and plume dispersion after an on-road truck: Implication to remote sensing. Science of the Total Environment, 2020, 748, 141211.	8.0	6
25	Uncertainty in the Impact of the COVID-19 Pandemic on Air Quality in Hong Kong, China. Atmosphere, 2020, 11, 914.	2.3	19
26	Evaluating in-use vehicle emissions using air quality monitoring stations and on-road remote sensing systems. Science of the Total Environment, 2020, 740, 139868.	8.0	26
27	Optimization of a Small Wind Turbine for a Rural Area: A Case Study of Deniliquin, New South Wales, Australia. Energies, 2020, 13, 2292.	3.1	17
28	Re-evaluating effectiveness of vehicle emission control programmes targeting high-emitters. Nature Sustainability, 2020, 3, 904-907.	23.7	32
29	Large eddy simulation of vehicle emissions dispersion: Implications for on-road remote sensing measurements. Environmental Pollution, 2020, 259, 113974.	7.5	14
30	Simulation of engine faults and their impact on emissions and vehicle performance for a liquefied petroleum gas taxi. Science of the Total Environment, 2020, 716, 137066.	8.0	14
31	A review of the key sensitive parameters on the aerodynamic performance of a horizontal wind turbine using Computational Fluid Dynamics modelling. AIMS Energy, 2020, 8, 493-524.	1.9	6
32	Investigation of factors affecting the gaseous and particulate matter emissions from diesel vehicles. Air Quality, Atmosphere and Health, 2019, 12, 1113-1126.	3.3	5
33	A remote sensing emissions monitoring programme reduces emissions of gasoline and LPG vehicles. Environmental Research, 2019, 177, 108614.	7.5	14
34	Experimental and numerical investigation of performance of an ethanol-gasoline dual-injection engine. Energy, 2019, 186, 115835.	8.8	23
35	Characterisation of diesel vehicle emissions and determination of remote sensing cutpoints for diesel high-emitters. Environmental Pollution, 2019, 252, 31-38.	7.5	27
36	Chemical and microbiological risk assessment of urban river water quality in Vietnam. Environmental Geochemistry and Health, 2019, 41, 2559-2575.	3.4	15

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37	Impact of potential engine malfunctions on fuel consumption and gaseous emissions of a Euro VI diesel truck. <i>Energy Conversion and Management</i> , 2019, 184, 521-529.	9.2	40
38	Fuel consumption and emissions performance under real driving: Comparison between hybrid and conventional vehicles. <i>Science of the Total Environment</i> , 2019, 659, 275-282.	8.0	140
39	Effects of direct injection timing associated with spark timing on a small spark ignition engine equipped with ethanol dual-injection. <i>Fuel</i> , 2019, 239, 852-861.	6.4	13
40	A new puffing model for a droplet of butanol-hexadecane blends. <i>Applied Thermal Engineering</i> , 2018, 133, 633-644.	6.0	30
41	Emission measurement of diesel vehicles in Hong Kong through on-road remote sensing: Performance review and identification of high-emitters. <i>Environmental Pollution</i> , 2018, 237, 133-142.	7.5	42
42	Effect of ambient temperature on the puffing characteristics of single butanol-hexadecane droplet. <i>Energy</i> , 2018, 145, 430-441.	8.8	30
43	Remote sensing of on-road vehicle emissions: Mechanism, applications and a case study from Hong Kong. <i>Atmospheric Environment</i> , 2018, 182, 58-74.	4.1	71
44	Tackling nitric oxide emissions from dominant diesel vehicle models using on-road remote sensing technology. <i>Environmental Pollution</i> , 2018, 243, 1177-1185.	7.5	28
45	Experimental study on combustion characteristics of an n-butanol-biodiesel droplet. <i>Energy</i> , 2018, 160, 490-499.	8.8	28
46	Experimental investigation on spray, evaporation and combustion characteristics of ethanol-diesel, water-emulsified diesel and neat diesel fuels. <i>Fuel</i> , 2018, 231, 438-448.	6.4	47
47	Eco-driving technology for sustainable road transport: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 93, 596-609.	16.4	231
48	The effect of different n-butanol-fatty acid methyl esters (FAME) blends on puffing characteristics. <i>Fuel</i> , 2017, 208, 30-40.	6.4	33
49	Evaporation and Ignition Characteristics of Water Emulsified Diesel under Conventional and Low Temperature Combustion Conditions. <i>Energies</i> , 2017, 10, 1109.	3.1	12
50	Investigation of the effect of heated ethanol fuel on combustion and emissions of an ethanol direct injection plus gasoline port injection (EDI + GPI) engine. <i>Energy Conversion and Management</i> , 2016, 123, 338-347.	9.2	56
51	Effect of injection timing on mixture formation and combustion in an ethanol direct injection plus gasoline port injection (EDI+GPI) engine. <i>Energy</i> , 2016, 111, 92-103.	8.8	54
52	Spray and evaporation characteristics of ethanol and gasoline direct injection in non-evaporating, transition and flash-boiling conditions. <i>Energy Conversion and Management</i> , 2016, 108, 68-77.	9.2	91
53	Numerical investigation to the dual-fuel spray combustion process in an ethanol direct injection plus gasoline port injection (EDI+GPI) engine. <i>Energy Conversion and Management</i> , 2015, 92, 275-286.	9.2	61
54	Investigation to charge cooling effect and combustion characteristics of ethanol direct injection in a gasoline port injection engine. <i>Applied Energy</i> , 2015, 160, 244-254.	10.1	67

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55	Investigation to Charge Cooling Effect of Evaporation of Ethanol Fuel Directly Injected in a Gasoline Port Injection Engine. , 0, , .		18
56	Numerical Investigation to the Effect of Ethanol/Gasoline Ratio on Charge Cooling in an EDI+GPI Engine. , 0, , .		2
57	The Effect of Fuel Temperature on the Ethanol Direct Injection Spray Characteristics of a Multi-hole Injector. SAE International Journal of Fuels and Lubricants, 0, 7, 792-802.	0.2	23
58	Numerical Modelling of Ethanol Direct Injection (EDI) Sprays of a Multi-Hole Injector under Non-Evaporating, Transition and Flash-Boiling Conditions. , 0, , .		4
59	Effects of an On-Board Safety Device on the Emissions and Fuel Consumption of a Light Duty Vehicle. , 0, , .		0
60	Emission Performance of LPG Vehicles by Remote Sensing Technique in Hong Kong. , 0, , .		0
61	Evaluation of wind resource potential using statistical analysis of probability density functions in New South Wales, Australia. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 0, , 1-18.	2.3	5