

# Yunshan Ge

## List of Publications by Year in descending order

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117  
papers

3,558  
citations

109321

35  
h-index

168389

53  
g-index

118  
all docs

118  
docs citations

118  
times ranked

2478  
citing authors

#	ARTICLE	IF	CITATIONS
1	Historic and future trends of vehicle emissions in Beijing, 1998â€“2020: A policy assessment for the most stringent vehicle emission control program in China. <i>Atmospheric Environment</i> , 2014, 48, 216-229.	4.1	159
2	Characteristics of polycyclic aromatic hydrocarbons emissions of diesel engine fueled with biodiesel and diesel. <i>Fuel</i> , 2010, 89, 2040-2046.	6.4	157
3	Comparison of PM emissions from a gasoline direct injected (GDI) vehicle and a port fuel injected (PFI) vehicle measured by electrical low pressure impactor (ELPI) with two fuels: Gasoline and M15 methanol gasoline. <i>Journal of Aerosol Science</i> , 2013, 57, 22-31.	3.8	148
4	Comparison of carbonyl compounds emissions from diesel engine fueled with biodiesel and diesel. <i>Atmospheric Environment</i> , 2009, 43, 3657-3661.	4.1	100
5	Characteristics of typical non-road machinery emissions in China by using portable emission measurement system. <i>Science of the Total Environment</i> , 2012, 437, 255-261.	8.0	81
6	Real-world operation conditions and on-road emissions of Beijing diesel buses measured by using portable emission measurement system and electric low-pressure impactor. <i>Science of the Total Environment</i> , 2011, 409, 1476-1480.	8.0	80
7	On-road pollutant emission and fuel consumption characteristics of buses in Beijing. <i>Journal of Environmental Sciences</i> , 2011, 23, 419-426.	6.1	80
8	Evaluation on toxic reduction and fuel economy of a gasoline direct injection- (GDI-) powered passenger car fueled with methanolâ€“gasoline blends with various substitution ratios. <i>Applied Energy</i> , 2015, 157, 134-143.	10.1	77
9	Comparison of real-world fuel economy and emissions from parallel hybrid and conventional diesel buses fitted with selective catalytic reduction systems. <i>Applied Energy</i> , 2015, 159, 433-441.	10.1	76
10	Fuel consumption and emission performance from light-duty conventional/hybrid-electric vehicles over different cycles and real driving tests. <i>Fuel</i> , 2020, 278, 118340.	6.4	75
11	Comparison of combustion characteristics and brake thermal efficiency of a heavy-duty diesel engine fueled with diesel and biodiesel at high altitude. <i>Fuel</i> , 2013, 107, 852-858.	6.4	73
12	Investigation on characteristics of exhaust and evaporative emissions from passenger cars fueled with gasoline/methanol blends. <i>Fuel</i> , 2013, 113, 10-16.	6.4	73
13	Carbonyl compound emissions from passenger cars fueled with methanol/gasoline blends. <i>Science of the Total Environment</i> , 2010, 408, 3607-3613.	8.0	72
14	Effects of altitude on the thermal efficiency of a heavy-duty diesel engine. <i>Energy</i> , 2013, 59, 543-548.	8.8	69
15	Spray properties of alternative fuels: A comparative analysis of biodiesel and diesel. <i>International Journal of Energy Research</i> , 2008, 32, 1329-1338.	4.5	68
16	Measurement of in-vehicle volatile organic compounds under static conditions. <i>Journal of Environmental Sciences</i> , 2007, 19, 1208-1213.	6.1	65
17	Experimental study on factors affecting lean combustion limit of S.I engine fueled with compressed natural gas and hydrogen blends. <i>Energy</i> , 2012, 38, 58-65.	8.8	63
18	On-road measurement of regulated pollutants from diesel and CNG buses with urea selective catalytic reduction systems. <i>Atmospheric Environment</i> , 2014, 99, 1-9.	4.1	60

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19	NOx emissions from Euro IV busses with SCR systems associated with urban, suburban and freeway driving patterns. <i>Science of the Total Environment</i> , 2013, 452-453, 222-226.	8.0	58
20	Real driving particle number (PN) emissions from China-6 compliant PFI and GDI hybrid electrical vehicles. <i>Atmospheric Environment</i> , 2019, 199, 70-79.	4.1	58
21	Influence of fuel sulfur on the characterization of PM10 from a diesel engine. <i>Fuel</i> , 2009, 88, 504-510.	6.4	57
22	Emission characteristics of a heavy-duty diesel engine at simulated high altitudes. <i>Science of the Total Environment</i> , 2011, 409, 3138-3143.	8.0	57
23	Experimental investigation of the impact of biodiesel on the combustion and emission characteristics of a heavy duty diesel engine at various altitudes. <i>Fuel</i> , 2014, 115, 220-226.	6.4	56
24	Numerical study on ignition amelioration of a hydrogen-enriched Wankel engine under lean-burn condition. <i>Applied Energy</i> , 2019, 255, 113800.	10.1	55
25	Numerical simulation on combustion process of a hydrogen direct-injection stratified gasoline Wankel engine by synchronous and asynchronous ignition modes. <i>Energy Conversion and Management</i> , 2019, 183, 14-25.	9.2	55
26	Effects of hydrogen direct-injection angle and charge concentration on gasoline-hydrogen blending lean combustion in a Wankel engine. <i>Energy Conversion and Management</i> , 2019, 187, 316-327.	9.2	54
27	Combined influence of hydrogen direct-injection pressure and nozzle diameter on lean combustion in a spark-ignited rotary engine. <i>Energy Conversion and Management</i> , 2019, 195, 1124-1137.	9.2	53
28	Impacts of continuously regenerating trap and particle oxidation catalyst on the NO2 and particulate matter emissions emitted from diesel engine. <i>Journal of Environmental Sciences</i> , 2012, 24, 624-631.	6.1	51
29	Real-world emissions of inland ships on the Grand Canal, China. <i>Atmospheric Environment</i> , 2013, 81, 222-229.	4.1	47
30	Exhaust and evaporative emissions from motorcycles fueled with ethanol gasoline blends. <i>Science of the Total Environment</i> , 2015, 502, 627-631.	8.0	45
31	Comparison and evaluation of advanced machine learning methods for performance and emissions prediction of a gasoline Wankel rotary engine. <i>Energy</i> , 2022, 248, 123611.	8.8	45
32	On-vehicle emission measurement of a light-duty diesel van at various speeds at high altitude. <i>Atmospheric Environment</i> , 2013, 81, 263-269.	4.1	44
33	Effects of different mixing ratios on emissions from passenger cars fueled with methanol/gasoline blends. <i>Journal of Environmental Sciences</i> , 2011, 23, 1831-1838.	6.1	43
34	Experimental study on the nitrogen dioxide and particulate matter emissions from diesel engine retrofitted with particulate oxidation catalyst. <i>Science of the Total Environment</i> , 2014, 472, 56-62.	8.0	43
35	Ammonia Formation over Pd/Rh Three-Way Catalysts during Lean-to-Rich Fluctuations: The Effect of the Catalyst Aging, Exhaust Temperature, Lambda, and Duration in Rich Conditions. <i>Environmental Science &amp; Technology</i> , 2019, 53, 12621-12628.	10.0	43
36	The real driving emission characteristics of light-duty diesel vehicle at various altitudes. <i>Atmospheric Environment</i> , 2018, 191, 126-131.	4.1	42

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37	Effects of engine misfire on regulated, unregulated emissions from a methanol-fueled vehicle and its ozone forming potential. <i>Applied Energy</i> , 2016, 177, 187-195.	10.1	40
38	On-board measurement of particle numbers and their size distribution from a light-duty diesel vehicle: Influences of VSP and altitude. <i>Journal of Environmental Sciences</i> , 2017, 57, 238-248.	6.1	37
39	Effect of gasoline/methanol blends on motorcycle emissions: Exhaust and evaporative emissions. <i>Atmospheric Environment</i> , 2015, 102, 79-85.	4.1	36
40	Parametric analysis of hydrogen two-stage direct-injection on combustion characteristics, knock propensity, and emissions formation in a rotary engine. <i>Fuel</i> , 2021, 287, 119418.	6.4	31
41	Comparison and implementation of machine learning models for predicting the combustion phases of hydrogen-enriched Wankel rotary engines. <i>Fuel</i> , 2022, 310, 122371.	6.4	30
42	Effects of split direct-injected hydrogen strategies on combustion and emissions performance of a small-scale rotary engine. <i>Energy</i> , 2021, 215, 119124.	8.8	29
43	Ammonia emissions from China-6 compliant gasoline vehicles tested over the WLTC. <i>Atmospheric Environment</i> , 2019, 199, 136-142.	4.1	28
44	Investigation of the gas injection rate shape on combustion, knock and emissions behavior of a rotary engine with hydrogen direct-injection enrichment. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 14790-14804.	7.1	28
45	Unregulated emissions from a diesel engine equipped with vanadium-based urea-SCR catalyst. <i>Journal of Environmental Sciences</i> , 2010, 22, 575-581.	6.1	27
46	Investigation of cold-start emission control strategy for a bi-fuel hydrogen/gasoline engine. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 18273-18281.	7.1	27
47	Modeling and parametric study of the performance-emissions trade-off of a hydrogen Wankel rotary engine. <i>Fuel</i> , 2022, 318, 123662.	6.4	27
48	Regulated emission characteristics of in-use LNG and diesel semi-trailer towing vehicles under real driving conditions using PEMS. <i>Journal of Environmental Sciences</i> , 2020, 88, 155-164.	6.1	26
49	Emissions from several in-use ships tested by portable emission measurement system. <i>Ocean Engineering</i> , 2016, 116, 260-267.	4.3	25
50	Comparative evaluation of intelligent regression algorithms for performance and emissions prediction of a hydrogen-enriched Wankel engine. <i>Fuel</i> , 2021, 290, 120005.	6.4	25
51	Research on ammonia emissions characteristics from light-duty gasoline vehicles. <i>Journal of Environmental Sciences</i> , 2021, 106, 182-193.	6.1	25
52	Characteristics of instantaneous particle number (PN) emissions from hybrid electric vehicles under the real-world driving conditions. <i>Fuel</i> , 2021, 286, 119466.	6.4	24
53	Development of cyclic variation prediction model of the gasoline and n-butanol rotary engines with hydrogen enrichment. <i>Fuel</i> , 2021, 299, 120891.	6.4	24
54	Effects of Fuel Sulfur Content and Diesel Oxidation Catalyst on PM Emitted from Light-Duty Diesel Engine. <i>Energy &amp; Fuels</i> , 2010, 24, 985-991.	5.1	23

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55	Effects of continuously regenerating diesel particulate filters on regulated emissions and number-size distribution of particles emitted from a diesel engine. <i>Journal of Environmental Sciences</i> , 2011, 23, 798-807.	6.1	23
56	Characterization of VOC Emission from Materials in Vehicular Environment at Varied Temperatures: Correlation Development and Validation. <i>PLoS ONE</i> , 2015, 10, e0140081.	2.5	23
57	Impact of altitude on the real driving emission (RDE) results calculated in accordance to moving averaging window (MAW) method. <i>Fuel</i> , 2020, 277, 117929.	6.4	22
58	Real driving energy consumption and CO <sub>2</sub> & pollutant emission characteristics of a parallel plug-in hybrid electric vehicle under different propulsion modes. <i>Energy</i> , 2022, 244, 123076.	8.8	22
59	Combustion and Emission Characteristics of a Heavy-Duty Diesel Engine at Idle at Various Altitudes. <i>SAE International Journal of Engines</i> , 0, 6, 1145-1151.	0.4	21
60	Idle emission characteristics of a light-duty diesel van at various altitudes. <i>Atmospheric Environment</i> , 2013, 70, 117-122.	4.1	19
61	A Comparison of Tailpipe Gaseous Emissions for RDE and WLTC Using SI Passenger Cars. , 0, , .		19
62	Unregulated emissions from diesel engine with particulate filter using Fe-based fuel borne catalyst. <i>Journal of Environmental Sciences</i> , 2014, 26, 2027-2033.	6.1	18
63	Analysis of ship emission characteristics under real-world conditions in China. <i>Ocean Engineering</i> , 2019, 194, 106615.	4.3	17
64	China VI heavy-duty moving average window (MAW) method: Quantitative analysis of the problem, causes, and impacts based on the real driving data. <i>Energy</i> , 2021, 225, 120295.	8.8	16
65	Quantitative study of vehicle CO <sub>2</sub> emission at various temperatures and road loads. <i>Fuel</i> , 2022, 320, 123911.	6.4	16
66	Characterization of polycyclic aromatic hydrocarbon emissions from diesel engine retrofitted with selective catalytic reduction and continuously regenerating trap. <i>Journal of Environmental Sciences</i> , 2012, 24, 1449-1456.	6.1	15
67	Light-Duty Vehicle Emissions Control: A Brief Introduction to the China 6 Emissions Standard. <i>Johnson Matthey Technology Review</i> , 2017, 61, 269-278.	1.0	15
68	An assessment of how bio-E10 will impact the vehicle-related ozone contamination in China. <i>Energy Reports</i> , 2020, 6, 572-581.	5.1	15
69	Emission characteristics of offshore fishing ships in the Yellow Bo Sea, China. <i>Journal of Environmental Sciences</i> , 2018, 65, 83-91.	6.1	14
70	Effects of different diesel particulate filter on emission characteristics of in-use diesel vehicles. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2019, 41, 2989-3000.	2.3	14
71	Particulate emissions of heavy duty diesel engines measured from the tailpipe and the dilution tunnel. <i>Journal of Aerosol Science</i> , 2021, 156, 105799.	3.8	14
72	Remote sensing of NO emission from light-duty diesel vehicle. <i>Atmospheric Environment</i> , 2020, 242, 117799.	4.1	13

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73	Real-World Emission from In-Use Construction Equipment in China. <i>Aerosol and Air Quality Research</i> , 2016, 16, 1893-1902.	2.1	12
74	Emissions From Light-Duty Passenger Cars Fueled With Ternary Blend of Gasoline, Methanol, and Ethanol. <i>Journal of Energy Resources Technology, Transactions of the ASME</i> , 2017, 139, .	2.3	11
75	An investigation into the impact of burning diesel/lubricant oil mixtures on the nature of particulate emissions: Implications for DPF ash-loading acceleration method. <i>Journal of the Energy Institute</i> , 2020, 93, 1207-1215.	5.3	11
76	Particulate emissions from direct-injection and combined-injection vehicles fueled with gasoline/ethanol match-blends – Effects of ethanol and aromatic compositions. <i>Fuel</i> , 2021, 302, 121010.	6.4	11
77	Integrated effects of SCR, velocity, and Air-fuel Ratio on gaseous pollutants and CO2 emissions from China V and VI heavy-duty diesel vehicles. <i>Science of the Total Environment</i> , 2022, 811, 152311.	8.0	11
78	Study of durability of diesel vehicle emissions performance based on real driving emission measurement. <i>Chemosphere</i> , 2022, 297, 134171.	8.2	11
79	Modeling and predicting low-speed vehicle emissions as a function of driving kinematics. <i>Journal of Environmental Sciences</i> , 2017, 55, 109-117.	6.1	10
80	Ash deposited in diesel particular filter: a review. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2019, 41, 2184-2193.	2.3	10
81	Experimental study of CO2 and pollutant emission at various altitudes: Inconsistent results and reason analysis. <i>Fuel</i> , 2022, 307, 121801.	6.4	10
82	Pore morphology and fractal dimension of ash deposited in catalyst diesel particulate filter. <i>Environmental Science and Pollution Research</i> , 2020, 27, 11026-11037.	5.3	9
83	Quantifying Air Pollutant Emission from Agricultural Machinery Using Surveys – A Case Study in Anhui, China. <i>Atmosphere</i> , 2021, 12, 440.	2.3	8
84	Effects of Electrically Heated Catalyst on the Low Temperature Performance of Vanadium-Based SCR Catalyst on Diesel Engine. , 0, , .		7
85	The effects of ash inside a platinum-based catalyst diesel particulate filter on particle emissions, gaseous emissions, and unregulated emissions. <i>Environmental Science and Pollution Research</i> , 2018, 25, 33736-33744.	5.3	7
86	Evaluating the In-Service Emissions of High-Mileage Dedicated Methanol-Fueled Passenger Cars: Regulated and Unregulated Emissions. <i>Energies</i> , 2020, 13, 2680.	3.1	7
87	NOx Emission from Diesel Vehicle with SCR System Failure Characterized Using Portable Emissions Measurement Systems. <i>Energies</i> , 2021, 14, 3989.	3.1	7
88	Effects of ethanol and aromatic compositions on regulated and unregulated emissions of E10-fuelled China-6 compliant gasoline direct injection vehicles. <i>Renewable Energy</i> , 2021, 176, 322-333.	8.9	7
89	Assessing the brake particle emissions for sustainable transport: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 167, 112737.	16.4	7
90	Review of rapid ageing testing methods of three-way catalyst for gasoline engine. <i>International Journal of Vehicle Performance</i> , 2020, 6, 277.	0.4	6

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91	A comparative study of particle size distribution from two oxygenated fuels and diesel fuel. <i>Frontiers of Environmental Science and Engineering in China</i> , 2010, 4, 30-34.	0.8	5
92	Regulated, Carbonyl Emissions and Particulate Matter from a Dual-Fuel Passenger Car Burning Neat Methanol and Gasoline. , 0, , .		5
93	Effects of particulate oxidation catalyst on unregulated pollutant emission and toxicity characteristics from heavy-duty diesel engine. <i>Environmental Technology (United Kingdom)</i> , 2015, 36, 1359-1366.	2.2	5
94	Effects of ethanol and aromatic contents of fuel on the non-regulated exhaust emissions and their ozone forming potential of E10-fueled China-6 compliant vehicles. <i>Atmospheric Environment</i> , 2021, 264, 118688.	4.1	5
95	The Real-world Emissions from Urban Freight Trucks in Beijing. <i>Aerosol and Air Quality Research</i> , 2018, 18, 1448-1456.	2.1	5
96	Investigating the engine behavior of a hybrid vehicle and its impact on regulated emissions during on-road testing.. , 0, , .		5
97	Electrothermal Dynamics-Conscious Many-Objective Modular Design for Power-Split Plug-in Hybrid Electric Vehicles. <i>IEEE/ASME Transactions on Mechatronics</i> , 2022, 27, 4406-4416.	5.8	5
98	Parametric modeling and optimization of the intake and exhaust phases of a hydrogen Wankel rotary engine using parallel computing optimization platform. <i>Fuel</i> , 2022, 324, 124381.	6.4	5
99	Study on Pressure Fluctuation of a Constant Pressure Fuel System. , 2017, , .		4
100	Potential of big data approach for remote sensing of vehicle exhaust emissions. <i>Scientific Reports</i> , 2021, 11, 5472.	3.3	4
101	Evaporative emission characteristics of high-mileage gasoline vehicles. <i>Environmental Pollution</i> , 2022, 303, 119127.	7.5	4
102	Particle number emissions from fully warmed gasoline vehicles at various ambient temperatures. <i>Chemosphere</i> , 2022, 306, 135522.	8.2	4
103	The Application of Solid Selective Catalytic Reduction on Heavy-Duty Diesel Engine. , 0, , .		3
104	Model-based estimation of light-duty vehicle fuel economy at high altitude. <i>Advances in Mechanical Engineering</i> , 2019, 11, 168781401988625.	1.6	3
105	An assessment of how distance and diesel oxidation catalyst will impact thermal decomposition behaviors of particles. <i>Journal of Environmental Sciences</i> , 2020, 90, 157-169.	6.1	3
106	Heavy-duty diesel engine fuel consumption comparison with diesel and biodiesel measured at different altitudes. <i>International Journal of Vehicle Performance</i> , 2020, 6, 263.	0.4	3
107	Effect of altitude on the emission characteristics of a DI diesel engine. <i>E3S Web of Conferences</i> , 2021, 268, 01049.	0.5	3
108	Estimating Ozone Potential of Pipe-out Emissions from Euro-3 to Euro-5 Passenger Cars Fueled with Gasoline, Alcohol-Gasoline, Methanol and Compressed Natural Gas. , 0, , .		2

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109	A multi-pronged approach to strengthen diesel vehicle emission monitoring. Environmental Science Advances, 2022, 1, 37-46.	2.7	2
110	Time-resolved Emission Characteristics of Gasoline Vehicle Particle Number and Size Distributions. , 2008, , .		1
111	Simulation of Rural Vehicle Emissions Using Instantaneous Emission Model. Lecture Notes in Electrical Engineering, 2018, , 577-585.	0.4	1
112	Particle number emissions from standard and hybrid SI passenger cars. , 0, , .		1
113	Research on Analysis Method of Remote Sensing Results of NO Emission from Diesel Vehicles. Atmosphere, 2022, 13, 1100.	2.3	1
114	Turning Control and Analysis for a Tracked Vehicle with Electric Transmission System. , 0, , .		0
115	Comparison of Regulated Emissions and Particulate Matter of Gasoline/CNG Dual-Fuel Taxi Over New European Driving Cycle. , 2014, , .		0
116	Calculations and Test Measurements of In-Cylinder Combustion Velocity of Hydrogen - Air Mixtures Considering the Effect of Flame Instability. , 0, , .		0
117	Dilution Air Refine System Used in Formaldehyde Measurement. Lecture Notes in Electrical Engineering, 2013, , 625-632.	0.4	0