Han Hao, éç€

List of Publications by Year
in descending order

116 papers	5,335 citations	66234 42 h-index	95083 68 g-index
119 all docs	119 docs citations	119 times ranked	4210 citing authors

#	Article	IF	Citations
1	Chinaâ€™s electric vehicle subsidy scheme: Rationale and impacts. Energy Policy, 2014, 73, 722-732.	4.2	221
2	Life cycle greenhouse gas emissions of Electric Vehicles in China: Combining the vehicle cycle and fuel cycle. Energy, 2019, 177, 222-233.	4.5	160
3	Tracing global lithium flow: A trade-linked material flow analysis. Resources, Conservation and Recycling, 2017, 124, 50-61.	5.3	157
4	Critical issues of energy efficient and new energy vehicles development in China. Energy Policy, 2018, 115, 92-97.	4.2	155
5	Plug-in electric vehicle market penetration and incentives: a global review. Mitigation and Adaptation Strategies for Global Change, 2015, 20, 777-795.	1.0	154
6	Material flow analysis of lithium in China. Resources Policy, 2017, 51, 100-106.	4.2	148
7	Energy consumption and GHG emissions from China's freight transport sector: Scenarios through 2050. Energy Policy, 2015, 85, 94-101.	4.2	141
8	Electric vehicle recycling in China: Economic and environmental benefits. Resources, Conservation and Recycling, 2019, 140, 45-53.	5.3	131
9	Cradle-to-gate greenhouse gas emissions of battery electric and internal combustion engine vehicles in China. Applied Energy, 2017, 204, 1399-1411.	5.1	121
10	Impact of recycling on energy consumption and greenhouse gas emissions from electric vehicle production: The China 2025 case. Resources, Conservation and Recycling, 2017, 122, 114-125.	5.3	119
11	Decomposition analysis of Philippine CO2 emissions from fuel combustion and electricity generation. Applied Energy, 2016, 164, 795-804.	5.1	117
12	The impact of fuel cell vehicle deployment on road transport greenhouse gas emissions: The China case. International Journal of Hydrogen Energy, 2018, 43, 22604-22621.	3.8	113
13	Scenario analysis of energy consumption and greenhouse gas emissions from China's passenger vehicles. Energy, 2015, 91, 151-159.	4.5	105
14	Hybrid modeling of Chinaâ€™s vehicle ownership and projection through 2050. Energy, 2011, 36, 1351-1361.	4.5	102
15	Uncovering Chinaâ€™s transport CO2 emission patterns at the regional level. Energy Policy, 2014, 74, 134-146.	4.2	101
16	Fuel conservation and GHG (Greenhouse gas) emissions mitigation scenarios for Chinaâ€™s passenger vehicle fleet. Energy, 2011, 36, 6520-6528.	4.5	100
17	Natural gas as vehicle fuel in China: A review. Renewable and Sustainable Energy Reviews, 2016, 62, 521-533.	8.2	100
18	Vehicle survival patterns in China. Science China Technological Sciences, 2011, 54, 625-629.	2.0	99

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19	Tracing global cobalt flow: 1995â€“2015. Resources, Conservation and Recycling, 2019, 149, 45-55.	5.3	95
20	Global Lithium Flow 1994â€“2015: Implications for Improving Resource Efficiency and Security. Environmental Science & Technology, 2018, 52, 2827-2834.	4.6	90
21	GHG Emissions from the Production of Lithium-Ion Batteries for Electric Vehicles in China. Sustainability, 2017, 9, 504.	1.6	89
22	Regional disparity of urban passenger transport associated GHG (greenhouse gas) emissions in China: A review. Energy, 2014, 68, 783-793.	4.5	83
23	Carbon footprint of global passenger cars: Scenarios through 2050. Energy, 2016, 101, 121-131.	4.5	80
24	A bibliometric analysis on trends and characters of carbon emissions from transport sector. Transportation Research, Part D: Transport and Environment, 2018, 59, 1-10.	3.2	80
25	The correlated impacts of fuel consumption improvements and vehicle electrification on vehicle greenhouse gas emissions in China. Journal of Cleaner Production, 2019, 207, 702-716.	4.6	80
26	Biofuel for vehicle use in China: Current status, future potential and policy implications. Renewable and Sustainable Energy Reviews, 2018, 82, 645-653.	8.2	78
27	Deployment of fuel cell vehicles in China: Greenhouse gas emission reductions from converting the heavy-duty truck fleet from diesel and natural gas to hydrogen. International Journal of Hydrogen Energy, 2021, 46, 17982-17997.	3.8	76
28	Electric vehicles for greenhouse gas reduction in China: A cost-effectiveness analysis. Transportation Research, Part D: Transport and Environment, 2017, 56, 68-84.	3.2	75
29	GHG emissions from primary aluminum production in China: Regional disparity and policy implications. Applied Energy, 2016, 166, 264-272.	5.1	72
30	Charging sustainable batteries. Nature Sustainability, 2022, 5, 176-178.	11.5	70
31	Comparison of policies on vehicle ownership and use between Beijing and Shanghai and their impacts on fuel consumption by passenger vehicles. Energy Policy, 2011, 39, 1016-1021.	4.2	69
32	Economic impacts from PM2.5 pollution-related health effects in China's road transport sector: A provincial-level analysis. Environment International, 2018, 115, 220-229.	4.8	69
33	Impact of transport electrification on critical metal sustainability with a focus on the heavy-duty segment. Nature Communications, 2019, 10, 5398.	5.8	67
34	Hydrogen Fuel Cell Vehicle Development in China: An Industry Chain Perspective. Energy Technology, 2020, 8, 2000179.	1.8	65
35	Can autonomous vehicle reduce greenhouse gas emissions? A country-level evaluation. Energy Policy, 2019, 132, 462-473.	4.2	63
36	Fuel consumption and life cycle GHG emissions by Chinaâ€™s on-road trucks: Future trends through 2050 and evaluation of mitigation measures. Energy Policy, 2012, 43, 244-251.	4.2	61

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37	Comparative Study on Life Cycle CO 2 Emissions from the Production of Electric and Conventional Vehicles in China. Energy Procedia, 2017, 105, 3584-3595.	1.8	61
38	Compression ignition of low-octane gasoline: Life cycle energy consumption and greenhouse gas emissions. Applied Energy, 2016, 181, 391-398.	5.1	57
39	Securing Platinum-Group Metals for Transport Low-Carbon Transition. One Earth, 2019, 1, 117-125.	3.6	51
40	Supply risks of lithium-ion battery materials: An entire supply chain estimation. Materials Today Energy, 2019, 14, 100347.	2.5	50
41	Greenhouse gas emissions from road construction in China: A province-level analysis. Journal of Cleaner Production, 2017, 168, 1039-1047.	4.6	49
42	Coal-derived alternative fuels for vehicle use in China: A review. Journal of Cleaner Production, 2017, 141, 774-790.	4.6	48
43	Effects of urban environmental policies on improving firm efficiency: Evidence from Chinese new energy vehicle firms. Journal of Cleaner Production, 2019, 215, 600-610.	4.6	47
44	Intelligent connected vehicles: the industrial practices and impacts on automotive value-chains in China. Asia Pacific Business Review, 2018, 24, 1-21.	2.0	46
45	Performance of Euro III common rail heavy duty diesel engine fueled with Gas to Liquid. Applied Energy, 2009, 86, 2257-2261.	5.1	45
46	Energy consumption and GHG emissions of GTL fuel by LCA: Results from eight demonstration transit buses in Beijing. Applied Energy, 2010, 87, 3212-3217.	5.1	44
47	Abating transport GHG emissions by hydrogen fuel cell vehicles: Chances for the developing world. Frontiers in Energy, 2018, 12, 466-480.	1.2	43
48	Life cycle cost and GHG emission benefits of electric vehicles in China. Transportation Research, Part D: Transport and Environment, 2020, 86, 102418.	3.2	41
49	The Dynamic Equilibrium Mechanism of Regional Lithium Flow for Transportation Electrification. Environmental Science & Technology, 2019, 53, 743-751.	4.6	40
50	End-of-life recycling rates of platinum group metals in the automotive industry: Insight into regional disparities. Journal of Cleaner Production, 2020, 266, 121942.	4.6	40
51	Technology strategy to meet Chinaâ€™s 5ÂL/100Âkm fuel consumption target for passenger vehicles in 2020. Clean Technologies and Environmental Policy, 2016, 18, 7-15.	2.1	39
52	China's traction battery technology roadmap: Targets, impacts and concerns. Energy Policy, 2017, 108, 355-358.	4.2	38
53	Technology development for electric vehicles under new energy vehicle credit regulation in China: scenarios through 2030. Clean Technologies and Environmental Policy, 2019, 21, 275-289.	2.1	37
54	Impacts of a super credit policy on electric vehicle penetration and compliance with China's Corporate Average Fuel Consumption regulation. Energy, 2018, 155, 746-762.	4.5	35

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55	Potential of electric vehicle batteries second use in energy storage systems: The case of China. Energy, 2022, 253, 124159.	4.5	35
56	Dynamic material flow analysis of natural graphite in China for 2001-2018. Resources, Conservation and Recycling, 2021, 173, 105732.	5.3	34
57	Synergistic Impacts of Chinaâ€™s Subsidy Policy and New Energy Vehicle Credit Regulation on the Technological Development of Battery Electric Vehicles. Energies, 2018, 11, 3193.	1.6	33
58	Features of critical resource trade networks of lithium-ion batteries. Resources Policy, 2021, 73, 102177.	4.2	32
59	Organizing business ecosystems in emerging electric vehicle industry: Structure, mechanism, and integrated configuration. Energy Policy, 2017, 107, 234-247.	4.2	31
60	Levelized costs of conventional and battery electric vehicles in china: Beijing experiences. Mitigation and Adaptation Strategies for Global Change, 2015, 20, 1229-1246.	1.0	29
61	Analysis of Typical Automakersâ€™ Strategies for Meeting the Dual-Credit Regulations Regarding CAFC and NEVs. Automotive Innovation, 2018, 1, 15-23.	3.1	29
62	Technology pathways for complying with Corporate Average Fuel Consumption regulations up to 2030: A case study of China. Applied Energy, 2019, 241, 257-277.	5.1	29
63	The impact of stepped fuel economy targets on automaker's light-weighting strategy: The China case. Energy, 2016, 94, 755-765.	4.5	28
64	Inter-city passenger transport in larger urban agglomeration area: emissions and health impacts. Journal of Cleaner Production, 2016, 114, 412-419.	4.6	28
65	Insights into the global flow pattern of manganese. Resources Policy, 2020, 65, 101578.	4.2	27
66	Selection of Lithium-ion Battery Technologies for Electric Vehicles under Chinaâ€™s New Energy Vehicle Credit Regulation. Energy Procedia, 2019, 158, 3038-3044.	1.8	25
67	Automatic Emergency Braking (AEB) System Impact on Fatality and Injury Reduction in China. International Journal of Environmental Research and Public Health, 2020, 17, 917.	1.2	25
68	Static material flow analysis of neodymium in China. Journal of Industrial Ecology, 2021, 25, 114-124.	2.8	25
69	Global Competition in the Lithium-Ion Battery Supply Chain: A Novel Perspective for Criticality Analysis. Environmental Science & Technology, 2021, 55, 12180-12190.	4.6	24
70	Oil-saving pathways until 2030 for road freight transportation inÂChina based on a cost-optimization model. Energy, 2015, 86, 369-384.	4.5	23
71	An overview of energy efficiency standards in China's transport sector. Renewable and Sustainable Energy Reviews, 2017, 67, 246-256.	8.2	22
72	Heuristic method for automakers' technological strategy making towards fuel economy regulations based on genetic algorithm: A China's case under corporate average fuel consumption regulation. Applied Energy, 2017, 204, 544-559.	5.1	21

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73	Assessing the Socioeconomic Impacts of Intelligent Connected Vehicles in China: A Costâ€“Benefit Analysis. Sustainability, 2019, 11, 3273.	1.6	21
74	Research on the Critical Issues for Power Battery Reusing of New Energy Vehicles in China. Energies, 2020, 13, 1932.	1.6	21
75	From NEDC to WLTP: Effect on the Energy Consumption, NEV Credits, and Subsidies Policies of PHEV in the Chinese Market. Sustainability, 2020, 12, 5747.	1.6	20
76	Chinaâ€™s Electric Vehicle Deployment: Energy and Greenhouse Gas Emission Impacts. Energies, 2018, 11, 3353.	1.6	19
77	Challenges, Potential and Opportunities for Internal Combustion Engines in China. Sustainability, 2020, 12, 4955.	1.6	18
78	Comparing the life cycle Greenhouse Gas emissions from vehicle production in China and the USA: implications for targeting the reduction opportunities. Clean Technologies and Environmental Policy, 2017, 19, 1509-1522.	2.1	16
79	Quantifying the Energy, Environmental, Economic, Resource Co-Benefits and Risks of GHG Emissions Abatement: The Case of Passenger Vehicles in China. Sustainability, 2019, 11, 1344.	1.6	14
80	Mapping global fuel cell vehicle industry chain and assessing potential supply risks. International Journal of Hydrogen Energy, 2021, 46, 15097-15109.	3.8	13
81	Development Trends of Transmissions for Hybrid Electric Vehicles Using an Optimized Energy Management Strategy. Automotive Innovation, 2018, 1, 291-299.	3.1	12
82	Estimate of safety impact of lane keeping assistant system on fatalities and injuries reduction for China: Scenarios through 2030. Traffic Injury Prevention, 2020, 21, 156-162.	0.6	11
83	Estimating CO<SUB align="right">2 emissions from water transportation of freight in China. International Journal of Shipping and Transport Logistics, 2015, 7, 676.	0.2	10
84	Measuring Energy Efficiency in Chinaâ€™s Transport Sector. Energies, 2017, 10, 660.	1.6	10
85	The Impact of Purchase Restriction Policy on Car Ownership in Chinaâ€™s Four Major Cities. Journal of Advanced Transportation, 2020, 2020, 1-14.	0.9	10
86	Modeling potential impact of COVID-19 pandemic on global electric vehicle supply chain. IScience, 2022, 25, 103903.	1.9	10
87	Evidence for the Crash Avoidance Effectiveness of Intelligent and Connected Vehicle Technologies. International Journal of Environmental Research and Public Health, 2021, 18, 9228.	1.2	9
88	Lifecycle greenhouse gas emissions and energy cost analysis of flying cars with three different propulsion systems. Journal of Cleaner Production, 2022, 331, 129985.	4.6	8
89	The Negative Impact of Vehicular Intelligence on Energy Consumption. Journal of Advanced Transportation, 2019, 2019, 1-11.	0.9	7
90	Carbon Emission Reduction Strategy for Energy Users in China. Sustainability, 2020, 12, 6498.	1.6	7

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91	Cost analysis of road traffic crashes in China. International Journal of Injury Control and Safety Promotion, 2020, 27, 385-391.	1.0	7
92	Impacts of the New Worldwide Light-Duty Test Procedure on Technology Effectiveness and Chinaâ€™s Passenger Vehicle Fuel Consumption Regulations. International Journal of Environmental Research and Public Health, 2021, 18, 3199.	1.2	7
93	Hierarchical Optimization Decision-Making Method to Comply with Chinaâ€™s Fuel Consumption and New Energy Vehicle Credit Regulations. Sustainability, 2021, 13, 7842.	1.6	7
94	Costs, Benefits and Range: Application of Lightweight Technology in Electric Vehicles. , 0, , .		7
95	CO2 emissions from electric flying cars: Impacts from battery specific energy and grid emission factor. ETransportation, 2022, 13, 100189.	6.8	7
96	Responding to the Paris Climate Agreement: global climate change mitigation efforts. Frontiers in Energy, 2018, 12, 333-337.	1.2	6
97	Effect of Chinese Corporate Average Fuel Consumption and New Energy Vehicle Dual-Credit Regulation on Passenger Cars Average Fuel Consumption Analysis. International Journal of Environmental Research and Public Health, 2021, 18, 7218.	1.2	6
98	Comparing supply chains of platinum group metal catalysts in internal combustion engine and fuel cell vehicles: A supply risk perspective. Cleaner Logistics and Supply Chain, 2022, 4, 100043.	3.1	5
99	Technology evaluation of Chinese hybrid electric bus demonstration. Mitigation and Adaptation Strategies for Global Change, 2015, 20, 797-815.	1.0	4
100	Improving aluminium resource efficiency in China: Based upon material flow analysis and entropy analysis. , 2022, 1, 100005.		4
101	Fuel Economy Regulations and Technology Roadmaps of China and the US: Comparison and Outlook. , 2018, , .		3
102	Evaluation of the Cost of Intelligent Upgrades of Transportation Infrastructure for Intelligent Connected Vehicles. Journal of Advanced Transportation, 2022, 2022, 1-15.	0.9	3
103	Structure Analysis and Cost Estimation of Hybrid Electric Passenger Vehicle and the Application inÂChina Case. , 0, , .		2
104	Recycling-Based Reduction of Energy Consumption and Carbon Emission of Chinaâ€™s Electric Vehicles: Overview and Policy Analysis. , 2018, , .		2
105	Selection of Emerging Technologies: A Case Study in Technology Strategies of Intelligent Vehicles. EMJ - Engineering Management Journal, 2022, 34, 37-49.	1.4	2
106	Comparative study of corporate average fuel consumption regulations based on curb weight and footprint benchmarks. Clean Technologies and Environmental Policy, 2020, 22, 1311-1323.	2.1	2
107	Modeling the evolvement of regional fuel cell vehicle supply chain: Implications for enhancing supply chain sustainability. International Journal of Production Economics, 2022, 249, 108535.	5.1	2
108	Intelligent Vehicles' Effects on Chinese Traffic: A Simulation Study of Cooperative Adaptive Cruise Control and Intelligent Speed Adaption. , 2018, , .		1

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109	Analysis of Key Issues on Man-Control to System-Control Leap in Autonomous Driving. MATEC Web of Conferences, 2019, 296, 01002.	0.1	1
110	The Impacts of Electric Vehicles on Resources and Supply Chains Sustainability. , 2021, , 195-215.		1
111	The Review of Present and Future Energy Structure in China. , 0, , .		1
112	Sustainable Mobility in China and its Implications for Emerging Economies. Journal of Applied Management and Entrepreneurship, 2015, 2, 6-10.	0.1	0
113	Reducing Greenhouse Gas Emissions by Electric Vehicles in China: the Cost-Effectiveness Analysis. , 2016, , .		0
114	Fuel Cell Vehicles: An Opportunity for China's Greenhouse Gas Reduction. , 0, , .		0
115	The Review of Vehicle Purchase Restriction in China. , 0, , .		0
116	Scientific and Technological Innovation Capability Improvement: A Case Study of the Automotive Industry. , 2020, , .		0