Wei Shen

List of Publications by Year in Descending Order

20 papers	537 citations	11 h-index	23 g-index
23 ext. papers	684 ext. citations	8.1 avg, IF	3.7 L-index

#	Paper	IF	Citations
20	A data-driven method of traffic emissions mapping with land use random forest models. *Applied Energy*, **2022**, 305, 117916	10.7	6
19	Life-Cycle Greenhouse Gas Emission Benefits of Natural Gas Vehicles. *ACS Sustainable Chemistry and Engineering*, **2021**, 9, 7813-7823	8.3	3
18	Asia Pacific road transportation emissions, 1900-2050. *Faraday Discussions*, **2021**, 226, 53-73	3.6	0
17	Well-to-wheels emissions, costs, and feedstock potentials for light-duty hydrogen fuel cell vehicles in China in 2017 and 2030. *Renewable and Sustainable Energy Reviews*, **2021**, 137, 110477	16.2	16
16	Life cycle water use of gasoline and electric light-duty vehicles in China. *Resources, Conservation and Recycling*, **2020**, 154, 104628	11.9	5
15	Cradle-to-gate greenhouse gas (GHG) burdens for aluminum and steel production and cradle-to-grave GHG benefits of vehicle lightweighting in China. *Resources, Conservation and Recycling*, **2020**, 152, 104497	11.9	16
14	The Value of Prepositioning in Smartphone-Based Vanpool Services under Stochastic Requests and Time-Dependent Travel Times. *Transportation Research Record*, **2019**, 2673, 26-37	1.7	5
13	China Electricity Generation Greenhouse Gas Emission Intensity in 2030: Implications for Electric Vehicles. *Environmental Science & Technology*, **2019**, 53, 6063-6072	10.3	34
12	Latent class analysis of accident risks in usage-based insurance: Evidence from Beijing. *Accident Analysis and Prevention*, **2018**, 115, 79-88	6.1	15
11	Attribution of PM2.5 exposure in Beijing‑Tianjin‑Hebei region to emissions: implication to control strategies. *Science Bulletin*, **2017**, 62, 957-964	10.6	37
10	Car ownership policies in China: Preferences of residents and influence on the choice of electric cars. *Transport Policy*, **2017**, 58, 62-71	5.7	28
9	Modeling heterogeneous vehicle ownership in China: A case study based on the Chinese national survey. *Transport Policy*, **2017**, 54, 11-20	5.7	9
8	Individual trip chain distributions for passenger cars: Implications for market acceptance of battery electric vehicles and energy consumption by plug-in hybrid electric vehicles. *Applied Energy*, **2016**, 180, 650-660	10.7	49
7	Source contributions of urban PM2.5 in the Beijing‑Tianjin‑Hebei region: Changes between 2006 and 2013 and relative impacts of emissions and meteorology. *Atmospheric Environment*, **2015**, 123, 229-239	5.3	120
6	Current and future greenhouse gas emissions associated with electricity generation in China: implications for electric vehicles. *Environmental Science & Technology*, **2014**, 48, 7069-75	10.3	44
5	Car dieselization: A solution to China's energy security?. *Energy Policy*, **2013**, 62, 540-549	7.2	6
4	Coal-based synthetic natural gas (SNG): A solution to China's energy security and CO2 reduction?. *Energy Policy*, **2013**, 55, 445-453	7.2	65

LIST OF PUBLICATIONS

3	Well-to-Wheel Analyses for Energy Consumption and Greenhouse Gas Emissions of Electric Vehicles Using Various Thermal Power Generation Technologies in China. *Lecture Notes in Electrical Engineering*, **2013**, 101-115	0.2	
2	Well-to-wheels life-cycle analysis of alternative fuels and vehicle technologies in China. *Energy Policy*, **2012**, 49, 296-307	7.2	75
1	Mobile Measurements of Carbonaceous Aerosol in Microenvironments to Discern Contributions from Traffic and Solid Fuel Burning. *Environmental Science and Technology Letters*,	11	3