

Patrick Plätz

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

2,696
citations

236925

25
h-index

223800

46
g-index

51
all docs

51
docs citations

51
times ranked

1949
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthetic European road freight transport flow data. Data in Brief, 2022, 40, 107786.	1.0	12
2	Hydrogen technology is unlikely to play a major role in sustainable road transport. Nature Electronics, 2022, 5, 8-10.	26.0	65
3	Public fast charging infrastructure for battery electric trucksâ€”a model-based network for Germany. Environmental Research: Infrastructure and Sustainability, 2022, 2, 025004.	2.3	9
4	Empirical charging behavior of plug-in hybrid electric vehicles. Applied Energy, 2022, 321, 119293.	10.1	10
5	From lab-to-road: real-world fuel consumption and CO ₂ emissions of plug-in hybrid electric vehicles. Environmental Research Letters, 2021, 16, 054078.	5.2	37
6	Global perspective on CO ₂ emissions of electric vehicles. Environmental Research Letters, 2021, 16, 054043.	5.2	22
7	The effect of plug-in hybrid electric vehicle charging on fuel consumption and tail-pipe emissions. Environmental Research Communications, 2021, 3, 081001.	2.3	2
8	Where is the EU headed given its current climate policy? A stakeholder-driven model inter-comparison. Science of the Total Environment, 2021, 793, 148549.	8.0	26
9	Variability of daily car usage and the frequency of long-distance driving. Transportation Research, Part D: Transport and Environment, 2021, 101, 103126.	6.8	0
10	Can product service systems support electric vehicle adoption?. Transportation Research, Part A: Policy and Practice, 2020, 137, 343-359.	4.2	17
11	Assessment of fast-charging station locationsâ€”an integrated model based approach. , 2020, , 595-611.		0
12	Crafting strong, integrated policy mixes for deep CO ₂ mitigation in road transport. Nature Climate Change, 2020, 10, 809-818.	18.8	136
13	Are Battery-Electric Trucks for 24-Hour Delivery the Future of City Logistics?â€”A German Case Study. World Electric Vehicle Journal, 2020, 11, 16.	3.0	10
14	Electric Vehicle Adoption in Germany: Current Knowledge and Future Research. Lecture Notes in Mobility, 2020, , 189-211.	0.2	3
15	Designing car bans for sustainable transportation. Nature Sustainability, 2019, 2, 534-536.	23.7	60
16	The impact of ambitious fuel economy standards on the market uptake of electric vehicles and specific CO ₂ emissions. Energy Policy, 2019, 135, 111006.	8.8	42
17	How large is the effect of financial incentives on electric vehicle sales? â€” A global review and European analysis. Energy Economics, 2019, 84, 104493.	12.1	99
18	Market diffusion of alternative fuels and powertrains in heavy-duty vehicles: A literature review. Energy Reports, 2019, 5, 1010-1024.	5.1	62

#	ARTICLE	IF	CITATIONS
19	Two methods of estimating long-distance driving to understand range restrictions on EV use. <i>Transportation Research, Part D: Transport and Environment</i> , 2019, 74, 294-305.	6.8	3
20	Consumer preferences for public charging infrastructure for electric vehicles. <i>Transport Policy</i> , 2019, 81, 54-63.	6.6	75
21	Machine learning estimates of plug-in hybrid electric vehicle utility factors. <i>Transportation Research, Part D: Transport and Environment</i> , 2019, 72, 36-46.	6.8	18
22	Impact of electric trucks powered by overhead lines on the European electricity system and CO2 emissions. <i>Energy Policy</i> , 2019, 130, 32-40.	8.8	54
23	Electric Trolley Trucks – A Techno-Economic Assessment for Germany. <i>World Electric Vehicle Journal</i> , 2019, 10, 86.	3.0	10
24	How much charging infrastructure do electric vehicles need? – A review of the evidence and international comparison. <i>Transportation Research, Part D: Transport and Environment</i> , 2019, 77, 224-242.	6.8	162
25	Invest in fast-charging infrastructure or in longer battery ranges? A cost-efficiency comparison for Germany. <i>Applied Energy</i> , 2019, 235, 888-899.	10.1	38
26	Can public slow charging accelerate plug-in electric vehicle sales? A simulation of charging infrastructure usage and its impact on plug-in electric vehicle sales for Germany. <i>International Journal of Sustainable Transportation</i> , 2019, 13, 528-542.	4.1	27
27	A review of consumer preferences of and interactions with electric vehicle charging infrastructure. <i>Transportation Research, Part D: Transport and Environment</i> , 2018, 62, 508-523.	6.8	393
28	Fast charging infrastructure for electric vehicles: Today’s situation and future needs. <i>Transportation Research, Part D: Transport and Environment</i> , 2018, 62, 314-329.	6.8	223
29	Empirical Fuel Consumption and CO ₂ Emissions of Plug-In Hybrid Electric Vehicles. <i>Journal of Industrial Ecology</i> , 2018, 22, 773-784.	5.5	50
30	The impact of daily and annual driving on fuel economy and CO2 emissions of plug-in hybrid electric vehicles. <i>Transportation Research, Part A: Policy and Practice</i> , 2018, 118, 331-340.	4.2	39
31	What drives the market for plug-in electric vehicles? - A review of international PEV market diffusion models. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 93, 158-164.	16.4	113
32	On the distribution of individual daily driving distances. <i>Transportation Research Part B: Methodological</i> , 2017, 101, 213-227.	5.9	81
33	CO2 Mitigation Potential of Plug-in Hybrid Electric Vehicles larger than expected. <i>Scientific Reports</i> , 2017, 7, 16493.	3.3	61
34	Can policy measures foster plug-in electric vehicle market diffusion?. <i>World Electric Vehicle Journal</i> , 2016, 8, 789-797.	3.0	8
35	A Model for Public Fast Charging Infrastructure Needs. <i>World Electric Vehicle Journal</i> , 2016, 8, 943-954.	3.0	8
36	Are multi-car households better suited for battery electric vehicles? – Driving patterns and economics in Sweden and Germany. <i>Transportation Research Part C: Emerging Technologies</i> , 2016, 65, 1-15.	7.6	89

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37	What is the market potential of plug-in electric vehicles as commercial passenger cars? A case study from Germany. <i>Transportation Research, Part D: Transport and Environment</i> , 2015, 37, 171-187.	6.8	56
38	Modelling market diffusion of electric vehicles with real world driving data – German market and policy options. <i>Transportation Research, Part A: Policy and Practice</i> , 2015, 77, 95-112.	4.2	49
39	Dimensions of energy efficiency in a political context. <i>Energy Efficiency</i> , 2015, 8, 97-115.	2.8	19
40	A review of combined models for market diffusion of alternative fuel vehicles and their refueling infrastructure. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 47, 783-793.	16.4	85
41	Addressing the Different Needs for Charging Infrastructure: An Analysis of Some Criteria for Charging Infrastructure Set-up. <i>Green Energy and Technology</i> , 2015, , 73-90.	0.6	16
42	Modelling market diffusion of electric vehicles with real world driving data – Part I: Model structure and validation. <i>Ecological Economics</i> , 2014, 107, 411-421.	5.7	79
43	A Comparison of Different Means to Increase Daily Range of Electric Vehicles: The Potential of Battery Sizing, Increased Vehicle Efficiency and Charging Infrastructure. , 2014, , .		3
44	Who will buy electric vehicles? Identifying early adopters in Germany. <i>Transportation Research, Part A: Policy and Practice</i> , 2014, 67, 96-109.	4.2	250
45	Market potential for electric vehicles in the German commercial passenger transport sector. , 2013, , .		7
46	How well can early adopters of electric vehicles be identified?. , 2013, , .		1
47	Effective spin model for interband transport in a Wannier-Stark lattice system. <i>European Physical Journal D</i> , 2011, 63, 47-53.	1.3	17
48	Stückelberg-interferometry with ultra-cold atoms. <i>European Physical Journal D</i> , 2011, 65, 199-205.	1.3	13
49	Detection of avoided crossings by fidelity. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2011, 390, 1363-1369.	2.6	10
50	Collapse and revival in inter-band oscillations of a two-band Bose-Hubbard model. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2010, 43, 081001.	1.5	18