

# Jarod C Kelly

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6130294/publications.pdf>

Version: 2024-02-01

31  
papers

1,192  
citations

623574

14  
h-index

752573

20  
g-index

38  
all docs

38  
docs citations

38  
times ranked

1239  
citing authors

#	ARTICLE	IF	CITATIONS
1	Life Cycle Analysis of Lithium-Ion Batteries for Automotive Applications. Batteries, 2019, 5, 48.	2.1	241
2	Time-dependent plug-in hybrid electric vehicle charging based on national driving patterns and demographics. Applied Energy, 2012, 94, 395-405.	5.1	150
3	Vehicle lightweighting vs. electrification: Life cycle energy and GHG emissions results for diverse powertrain vehicles. Applied Energy, 2014, 126, 13-20.	5.1	136
4	Impacts of Vehicle Weight Reduction via Material Substitution on Life-Cycle Greenhouse Gas Emissions. Environmental Science & Technology, 2015, 49, 12535-12542.	4.6	128
5	Energy, greenhouse gas, and water life cycle analysis of lithium carbonate and lithium hydroxide monohydrate from brine and ore resources and their use in lithium ion battery cathodes and lithium ion batteries. Resources, Conservation and Recycling, 2021, 174, 105762.	5.3	62
6	Globally regional life cycle analysis of automotive lithium-ion nickel manganese cobalt batteries. Mitigation and Adaptation Strategies for Global Change, 2020, 25, 371-396.	1.0	53
7	Incorporating user shape preference in engineering design optimisation. Journal of Engineering Design, 2011, 22, 627-650.	1.1	45
8	Environmental assessment of plug-in hybrid electric vehicles using naturalistic drive cycles and vehicle travel patterns: A Michigan case study. Energy Policy, 2013, 58, 358-370.	4.2	42
9	A Framework for the Integrated Optimization of Charging and Power Management in Plug-in Hybrid Electric Vehicles. IEEE Transactions on Vehicular Technology, 2013, 62, 2402-2412.	3.9	41
10	Using Nested Average Electricity Allocation Protocols to Characterize Electrical Grids in Life Cycle Assessment. Journal of Industrial Ecology, 2016, 20, 29-41.	2.8	36
11	Green Principles for Vehicle Lightweighting. Environmental Science & Technology, 2019, 53, 4063-4077.	4.6	36
12	Fuel Economy and Greenhouse Gas Emissions Labeling for Plug-in Hybrid Vehicles from a Life Cycle Perspective. Journal of Industrial Ecology, 2012, 16, 761-773.	2.8	33
13	Optimal replacement of residential air conditioning equipment to minimize energy, greenhouse gas emissions, and consumer cost in the US. Energy Policy, 2011, 39, 3144-3153.	4.2	31
14	Evaluating the life cycle greenhouse gas emissions from a lightweight plug-in hybrid electric vehicle in a regional context. , 2012, , .		22
15	Life-cycle analysis, by global region, of automotive lithium-ion nickel manganese cobalt batteries of varying nickel content. Sustainable Materials and Technologies, 2022, 32, e00415.	1.7	14
16	Sustainability, Resiliency, and Grid Stability of the Coupled Electricity and Transportation Infrastructures: Case for an Integrated Analysis. Journal of Infrastructure Systems, 2015, 21, .	1.0	13
17	A framework for the integrated optimization of charging and power management in plug-in hybrid electric vehicles. , 2012, , .		11
18	Evidence for using Interactive Genetic Algorithms in shape preference assessment. International Journal of Product Development, 2011, 13, 168.	0.2	9

#	ARTICLE	IF	CITATIONS
19	The Potential of Lightweight Materials and Advanced Combustion Engines to Reduce Life Cycle Energy and Greenhouse Gas Emissions. , 0, , .		9
20	Life Cycle Analysis Summary for Automotive Lithium-Ion Battery Production and Recycling. , 2016, , 73-79.		7
21	Life Cycle Analysis of 1995-2014 U.S. Light-Duty Vehicle Fleet: The Environmental Implications of Vehicle Material Composition Changes. SAE International Journal of Materials and Manufacturing, 0, 10, 378-384.	0.3	6
22	Evaluation of a Regional Approach to Standards for Plug-in Battery Electric Vehicles in Future Light-Duty Vehicle Greenhouse Gas Regulations. Journal of Industrial Ecology, 2015, 19, 154-166.	2.8	4
23	Determining the Effect of Users' Mobile Phone on Design Preference via Interactive Genetic Algorithms. Proceedings of the Human Factors and Ergonomics Society, 2011, 55, 1666-1670.	0.2	3
24	Lithium-Ion Batteries for Automotive Applications: Life Cycle Analysis. , 2021, , 395-405.		2
25	Plug-in HEV charging for maximum impact of wind energy on reduction of CO <sub>2</sub> emissions in propulsion. , 2012, , .		1
26	Life-Cycle Analysis of Vehicle Lightweighting: A Review. , 2021, , 91-104.		1
27	Life-Cycle Analysis of Vehicle Lightweighting: A Review. , 2019, , 1-15.		1
28	Regional analysis of aluminum and steel flows into the American automotive industry. Journal of Industrial Ecology, 0, , .	2.8	1
29	Response to Comment on "Using Nested Average Electricity Allocation Protocols". Journal of Industrial Ecology, 2016, 20, 953-955.	2.8	0
30	Analysis of Avoided Carbon-Dioxide Due to Photovoltaic and Wind Turbine Technologies Displacing Electrical Peaking Facilities. , 2009, , .		0
31	Lithium-Ion Batteries for Automotive Applications: Life Cycle Analysis. , 2019, , 1-12.		0