

# Jarod C Kelly

## List of Publications by Year in descending order

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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, 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
2	Life-Cycle Analysis of Vehicle Lightweighting: A Review. , 2021, , 91-104.		1
3	Lithium-Ion Batteries for Automotive Applications: Life Cycle Analysis. , 2021, , 395-405.		2
4	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
5	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
6	Life Cycle Analysis of Lithium-Ion Batteries for Automotive Applications. Batteries, 2019, 5, 48.	2.1	241
7	Green Principles for Vehicle Lightweighting. Environmental Science & Technology, 2019, 53, 4063-4077.	4.6	36
8	Life-Cycle Analysis of Vehicle Lightweighting: A Review. , 2019, , 1-15.		1
9	Lithium-Ion Batteries for Automotive Applications: Life Cycle Analysis. , 2019, , 1-12.		0
10	Response to Comment on "Using Nested Average Electricity Allocation Protocols"   Journal of Industrial Ecology, 2016, 20, 953-955.	2.8	0
11	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
12	Life Cycle Analysis Summary for Automotive Lithium-Ion Battery Production and Recycling. , 2016, , 73-79.		7
13	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
14	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
15	Impacts of Vehicle Weight Reduction via Material Substitution on Life-Cycle Greenhouse Gas Emissions. Environmental Science & Technology, 2015, 49, 12535-12542.	4.6	128
16	Vehicle lightweighting vs. electrification: Life cycle energy and GHG emissions results for diverse powertrain vehicles. Applied Energy, 2014, 126, 13-20.	5.1	136
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	A framework for the integrated optimization of charging and power management in plug-in hybrid electric vehicles. , 2012, , .		11
20	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
21	Evaluating the life cycle greenhouse gas emissions from a lightweight plug-in hybrid electric vehicle in a regional context. , 2012, , .		22
22	Plug-in HEV charging for maximum impact of wind energy on reduction of CO <sub>2</sub> emissions in propulsion. , 2012, , .		1
23	Time-dependent plug-in hybrid electric vehicle charging based on national driving patterns and demographics. Applied Energy, 2012, 94, 395-405.	5.1	150
24	Incorporating user shape preference in engineering design optimisation. Journal of Engineering Design, 2011, 22, 627-650.	1.1	45
25	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
26	Evidence for using Interactive Genetic Algorithms in shape preference assessment. International Journal of Product Development, 2011, 13, 168.	0.2	9
27	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
28	Analysis of Avoided Carbon-Dioxide Due to Photovoltaic and Wind Turbine Technologies Displacing Electrical Peaking Facilities. , 2009, , .		0
29	The Potential of Lightweight Materials and Advanced Combustion Engines to Reduce Life Cycle Energy and Greenhouse Gas Emissions. , 0, , .		9
30	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
31	Regional analysis of aluminum and steel flows into the American automotive industry. Journal of Industrial Ecology, 0, , .	2.8	1