Jeffery Allen

List of Publications by Year
in descending order

11 papers	**134** citations	1478505 **6** h-index	1281871 **11** g-index
11 all docs	**11** docs citations	**11** times ranked	**160** citing authors

#	Article	IF	Citations
1	Quantifying the influence of charge rate and cathode-particle architectures on degradation of Li-ion cells through 3D continuum-level damage models. Journal of Power Sources, 2021, 512, 230415.	7.8	34
2	A Comprehensive Understanding of the Aging Effects of Extreme Fast Charging on High Ni NMC Cathode. Advanced Energy Materials, 2022, 12, .	19.5	32
3	Modeling the WorldView-derived seasonal velocity evolution of Kennicott Glacier, Alaska. Journal of Glaciology, 2016, 62, 763-777.	2.2	20
4	A generalized poroelastic model using FEniCS with insights into the Noordbergum effect. Computers and Geosciences, 2020, 135, 104399.	4.2	15
5	MATBOX: An Open-source Microstructure Analysis Toolbox for microstructure generation, segmentation, characterization, visualization, correlation, and meshing. SoftwareX, 2022, 17, 100915.	2.6	12
6	Wind Farm Simulation and Layout Optimization in Complex Terrain. Journal of Physics: Conference Series, 2020, 1452, 012066.	0.4	6
7	A Segregated Approach for Modeling the Electrochemistry in the 3-D Microstructure of Li-Ion Batteries and Its Acceleration Using Block Preconditioners. Journal of Scientific Computing, 2021, 86, 1.	2.3	6
8	Blade planform design optimization to enhance turbine wake control. Wind Energy, 2022, 25, 811-830.	4.2	4
9	Exploring basal sliding with a fluidity-based, ice-sheet model using FOSLS. Numerical Linear Algebra With Applications, 2018, 25, e2161.	1.6	2
10	An Unsteady Actuator Line Solver to Enable Adjoint Sensitivity Studies for Wake Steering. Journal of Physics: Conference Series, 2020, 1618, 042038.	0.4	2
11	A Fluidity-Based First-Order System Least-Squares Method for Ice Sheets. SIAM Journal of Scientific Computing, 2017, 39, B352-B374.	2.8	1