

Michael Blonsky

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1788647/publications.pdf>

Version: 2024-02-01

10
papers

644
citations

1477746

6
h-index

1872312

6
g-index

13
all docs

13
docs citations

13
times ranked

922
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>Ab Initio</i> Prediction of Piezoelectricity in Two-Dimensional Materials. ACS Nano, 2015, 9, 9885-9891.	7.3	445
2	Computational methods for 2D materials: discovery, property characterization, and application design. Journal of Physics Condensed Matter, 2017, 29, 473001.	0.7	55
3	Community-scale interaction of energy efficiency and demand flexibility in residential buildings. Applied Energy, 2021, 298, 117149.	5.1	38
4	Potential Impacts of Transportation and Building Electrification on the Grid: A Review of Electrification Projections and Their Effects on Grid Infrastructure, Operation, and Planning. Current Sustainable/Renewable Energy Reports, 2019, 6, 169-176.	1.2	29
5	Performance Evaluation of Distributed Energy Resource Management via Advanced Hardware-in-the-Loop Simulation. , 2020, , .		22
6	OCHRE: The Object-oriented, Controllable, High-resolution Residential Energy Model for Dynamic Integration Studies. Applied Energy, 2021, 290, 116732.	5.1	14
7	A Network-Aware Distributed Energy Resource Aggregation Framework for Flexible, Cost-Optimal, and Resilient Operation. IEEE Transactions on Smart Grid, 2022, 13, 1213-1224.	6.2	12
8	Incorporating Residential Smart Electric Vehicle Charging in Home Energy Management Systems. , 2021, , .		10
9	Time-of-use and Demand Charge Battery Controller Using Stochastic Model Predictive Control. , 2020, , .		1
10	Sensitivity Analysis of Occupant Preferences on Energy Usage in Residential Buildings. , 2021, , .		0