

Bairav S Vishnugopi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11149790/publications.pdf>

Version: 2024-02-01

13
papers

497
citations

1040056

9
h-index

1199594

12
g-index

13
all docs

13
docs citations

13
times ranked

400
citing authors

#	ARTICLE	IF	CITATIONS
1	“Dead” lithium or back from the “dead”? Joule, 2022, 6, 291-293.	24.0	7
2	Advancements in extreme fast charging to foster sustainable electrification. One Earth, 2022, 5, 216-219.	6.8	11
3	Mesoscale Interrogation Reveals Mechanistic Origins of Lithium Filaments along Grain Boundaries in Inorganic Solid Electrolytes. Advanced Energy Materials, 2022, 12, .	19.5	39
4	Chemomechanical Interactions Dictate Lithium Surface Diffusion Kinetics in the Solid Electrolyte Interphase. Langmuir, 2022, 38, 5472-5480.	3.5	8
5	Kinetics or Transport: Whither Goes the Solid-State Battery Cathode?. ACS Applied Materials & Interfaces, 2022, 14, 29754-29765.	8.0	14
6	Multiscale modeling of physicochemical interactions in lithium-sulfur battery electrodes. , 2022, , 123-158.		1
7	Linking void and interphase evolution to electrochemistry in solid-state batteries using operando X-ray tomography. Nature Materials, 2021, 20, 503-510.	27.5	194
8	Co-Electrodeposition Mechanism in Rechargeable Metal Batteries. ACS Energy Letters, 2021, 6, 2190-2197.	17.4	17
9	Challenges and Opportunities for Fast Charging of Solid-State Lithium Metal Batteries. ACS Energy Letters, 2021, 6, 3734-3749.	17.4	76
10	Mechanistic Insight into Lithium Electrodeposition in Porous Host Architectures. Journal of Physical Chemistry C, 2021, 125, 25369-25375.	3.1	3
11	Morphology-Safety Implications of Interfacial Evolution in Lithium Metal Anodes. Journal of Physical Chemistry C, 2020, 124, 16784-16795.	3.1	17
12	Surface diffusion manifestation in electrodeposition of metal anodes. Physical Chemistry Chemical Physics, 2020, 22, 11286-11295.	2.8	53
13	Fast Charging of Lithium-ion Batteries via Electrode Engineering. Journal of the Electrochemical Society, 2020, 167, 090508.	2.9	57