

Tushar Swamy

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9586209/publications.pdf>

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11
papers

1,673
citations

933264

10
h-index

1281743

11
g-index

11
all docs

11
docs citations

11
times ranked

2107
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanism of Lithium Metal Penetration through Inorganic Solid Electrolytes. <i>Advanced Energy Materials</i> , 2017, 7, 1701003.	10.2	780
2	Compliant Yet Brittle Mechanical Behavior of $\text{Li}_2\text{S}-\text{P}_2\text{S}_5$ Lithium-Ion-Conducting Solid Electrolyte. <i>Advanced Energy Materials</i> , 2017, 7, 1602011.	10.2	219
3	Modeling of internal mechanical failure of all-solid-state batteries during electrochemical cycling, and implications for battery design. <i>Journal of Materials Chemistry A</i> , 2017, 5, 19422-19430.	5.2	191
4	Lithium Metal Penetration Induced by Electrodeposition through Solid Electrolytes: Example in Single-Crystal $\text{Li}_6\text{La}_3\text{ZrTaO}_{12}$ Garnet. <i>Journal of the Electrochemical Society</i> , 2018, 165, A3648-A3655.	1.3	172
5	The Effect of Stress on Battery-Electrode Capacity. <i>Journal of the Electrochemical Society</i> , 2017, 164, A645-A654.	1.3	109
6	Electrochemical Redox Behavior of Li Ion Conducting Sulfide Solid Electrolytes. <i>Chemistry of Materials</i> , 2019, 31, 707-713.	3.2	94
7	Electrochemical Charge Transfer Reaction Kinetics at the Silicon-Liquid Electrolyte Interface. <i>Journal of the Electrochemical Society</i> , 2015, 162, A7129-A7134.	1.3	49
8	Investigation of bipolar plate and diffusion media interfacial structure in PEFCs: A fractal geometry approach. <i>Electrochimica Acta</i> , 2011, 56, 3060-3070.	2.6	22
9	Random Walk Analysis of the Effect of Mechanical Degradation on All-Solid-State Battery Power. <i>Journal of the Electrochemical Society</i> , 2017, 164, A2660-A2664.	1.3	19
10	Interfacial Morphology and Contact Resistance Model for Polymer Electrolyte Fuel Cells. <i>ECS Transactions</i> , 2009, 25, 15-27.	0.3	14
11	Low-profile self-sealing sample transfer flexure box. <i>Review of Scientific Instruments</i> , 2017, 88, 083705.	0.6	4