

Xu Wang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10512185/publications.pdf>

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10
papers

1,496
citations

933447

10
h-index

1372567

10
g-index

10
all docs

10
docs citations

10
times ranked

2901
citing authors

#	ARTICLE	IF	CITATIONS
1	Origami lithium-ion batteries. <i>Nature Communications</i> , 2014, 5, 3140.	12.8	466
2	Stress-driven lithium dendrite growth mechanism and dendrite mitigation by electroplating on soft substrates. <i>Nature Energy</i> , 2018, 3, 227-235.	39.5	353
3	Kirigami-based stretchable lithium-ion batteries. <i>Scientific Reports</i> , 2015, 5, 10988.	3.3	240
4	Artificial phototropism for omnidirectional tracking and harvesting of light. <i>Nature Nanotechnology</i> , 2019, 14, 1048-1055.	31.5	191
5	Food-Based Edible Supercapacitors. <i>Advanced Materials Technologies</i> , 2016, 1, 1600059.	5.8	81
6	Food-Based Edible and Nutritive Electronics. <i>Advanced Materials Technologies</i> , 2017, 2, 1700181.	5.8	61
7	Microscale Silicon Origami. <i>Small</i> , 2016, 12, 5401-5406.	10.0	34
8	A Simultaneous Multiscale and Multiphysics Model and Numerical Implementation of a Core-Shell Model for Lithium-Ion Full-Cell Batteries. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2019, 86, .	2.2	33
9	Quantifying Electrochemical Reactions and Properties of Amorphous Silicon in a Conventional Lithium-Ion Battery Configuration. <i>Chemistry of Materials</i> , 2017, 29, 5831-5840.	6.7	26
10	Design of origami fin for heat dissipation enhancement. <i>Applied Thermal Engineering</i> , 2018, 145, 674-684.	6.0	11