

Xiaokang Wang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5093953/publications.pdf>

Version: 2024-02-01

10
papers

231
citations

1307594

7
h-index

1474206

9
g-index

10
all docs

10
docs citations

10
times ranked

188
citing authors

#	ARTICLE	IF	CITATIONS
1	Chemomechanics of Rechargeable Batteries: Status, Theories, and Perspectives. <i>Chemical Reviews</i> , 2022, 122, 13043-13107.	47.7	59
2	Mechanical breathing in organic electrochromics. <i>Nature Communications</i> , 2020, 11, 211.	12.8	44
3	Roll to roll manufacturing of fast charging, mechanically robust 0D/2D nanolayered Si-graphene anode with well-interfaced and defect engineered structures. <i>Energy Storage Materials</i> , 2019, 22, 450-460.	18.0	31
4	Mechanically robust and self-healable perovskite solar cells. <i>Cell Reports Physical Science</i> , 2021, 2, 100320.	5.6	29
5	Printing dynamic color palettes and layered textures through modeling-guided stacking of electrochromic polymers. <i>Materials Horizons</i> , 2022, 9, 425-432.	12.2	18
6	Improving Electrochemical Cycling Stability of Conjugated Yellow-to-Transmissive Electrochromic Polymers by Regulating Effective Overpotentials. , 2022, 4, 336-342.		15
7	Enhanced Wear Resistance of the Ultrastrong Ultrasonic Shot-Peened M50 Bearing Steel with Gradient Nanograins. <i>Metals</i> , 2022, 12, 424.	2.3	13
8	In Situ Measurement of Breathing Strain and Mechanical Degradation in Organic Electrochromic Polymers. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 50889-50895.	8.0	12
9	Modelling and analysis of the oxide growth coupling behaviour of thermal barrier coatings. <i>Journal of Materials Science</i> , 2019, 54, 10270-10283.	3.7	7
10	Doping kinetics in organic mixed ionic&electronic conductors: Moving front experiments and the stress effect. <i>Extreme Mechanics Letters</i> , 2022, 54, 101739.	4.1	3