Osvalds Verners

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3368039/publications.pdf

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13	535	1170033	1336881
papers	citations	9	12
		h-index	g-index

13	13	13	1113
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Bioâ€Inspired Macromolecular Ordering of Elastomers for Enhanced Contact Electrification and Triboelectric Energy Harvesting. Advanced Materials Technologies, 2022, 7, .	3.0	7
2	Tribovoltaic Device Based on the W/WO₃ Schottky Junction Operating through Hot Carrier Extraction. Journal of Physical Chemistry C, 2021, 125, 14212-14220.	1.5	14
3	Triboelectric Laminates with Volumetric Electromechanical Response for Mechanical Energy Harvesting. Advanced Materials Technologies, 2021, 6, 2100163.	3.0	7
4	Probing Contact Electrification: A Cohesively Sticky Problem. ACS Applied Materials & Interfaces, 2021, 13, 44935-44947.	4.0	31
5	Electrochemical-mechanical modeling of solid polymer electrolytes: Impact of mechanical stresses on Li-ion battery performance. Electrochimica Acta, 2019, 296, 1122-1141.	2.6	57
6	A Reactive Molecular Dynamics Simulation Study of the Mechanical Response of Amorphous Sulfurâ€“Graphitic Carbon Composite Cathodes. Journal of the Electrochemical Society, 2019, 166, A2928-A2938.	1.3	0
7	Salt concentration effects on mechanical properties of LiPF6/poly(propylene glycol) diacrylate solid electrolyte: Insights from reactive molecular dynamics simulations. Electrochimica Acta, 2016, 221, 115-123.	2.6	10
8	Comparative molecular dynamics study of fcc-Al hydrogen embrittlement. Corrosion Science, 2015, 98, 40-49.	3.0	21
9	Lithium Ion Solvation and Diffusion in Bulk Organic Electrolytes from First-Principles and Classical Reactive Molecular Dynamics. Journal of Physical Chemistry B, 2015, 119, 1535-1545.	1.2	154
10	Î±-Al2O3 nanoslab fracture and fatigue behavior. Computational Materials Science, 2015, 103, 38-44.	1.4	2
11	Comparative molecular dynamics study of fcc-Ni nanoplate stress corrosion in water. Surface Science, 2015, 633, 94-101.	0.8	30
12	Reactive Potentials for Advanced Atomistic Simulations. Annual Review of Materials Research, 2013, 43, 109-129.	4.3	184
13	Reactive molecular dynamics study of Mo-based alloys under high-pressure, high-temperature conditions. Journal of Applied Physics, 2012, 112, .	1.1	18