

Lars Fast

List of Publications by Year in descending order

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26
papers

2,714
citations

686830

13
h-index

610482

24
g-index

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all docs

26
docs citations

26
times ranked

2182
citing authors

#	ARTICLE	IF	CITATIONS
1	Oxygen reduction reaction and proton exchange membrane fuel cell performance of pulse electrodeposited Pt-Ni and Pt-Ni-Mo(O) nanoparticles. <i>Materials Today Energy</i> , 2022, 27, 101023.	2.5	3
2	Nanoscale Ni-Mo-Pt Alloy Catalyst with Tuneable Composition for Hydrogen Economy: Electrosynthesis and Characterisation. <i>ECS Meeting Abstracts</i> , 2020, MA2020-02, 1402-1402.	0.0	0
3	A statistical operating cycle description for prediction of road vehicles' energy consumption. <i>Transportation Research, Part D: Transport and Environment</i> , 2019, 73, 205-229.	3.2	16
4	Structure and electrical properties of Nb-Ge-C nanocomposite coatings. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2014, 32, 041509.	0.9	2
5	Electrical resistance measurement methods and electrical characterization of poly(3,4-ethylenedioxythiophene)-coated conductive fibers. <i>Journal of Applied Polymer Science</i> , 2012, 124, 2954-2961.	1.3	29
6	Simultaneous measurement of ignition energy and current signature for brush discharges. <i>Journal of Physics: Conference Series</i> , 2011, 301, 012035.	0.3	3
7	Comparison of current signatures for brush discharges using different resistance values in the discharge probes. <i>Journal of Physics: Conference Series</i> , 2011, 301, 012036.	0.3	1
8	Deposition of Ti-Si-C-Ag Nanocomposite Coatings as Electrical Contact Material. , 2010, , .		1
9	Induction charging risk assessment: Charged board alike discharges to metal and human body. <i>Journal of Electrostatics</i> , 2009, 67, 263-266.	1.0	1
10	A modified potential probe for induction charging risk assessment. <i>Journal of Physics: Conference Series</i> , 2008, 142, 012035.	0.3	1
11	Charging of a person exiting a car seat. <i>Journal of Physics: Conference Series</i> , 2008, 142, 012004.	0.3	2
12	Risks of damage to electronics with reference to charged clothing. <i>Journal of Electrostatics</i> , 2005, 63, 603-608.	1.0	6
13	Measurements of air discharges from insulating, electrostatic dissipative and conductive materials with different ESD probes. <i>Journal of Electrostatics</i> , 2005, 63, 539-544.	1.0	11
14	Can ESD-protective garments screen static electric fields?. <i>Journal of Electrostatics</i> , 2005, 63, 621-626.	1.0	4
15	Density functional theory for superconductors. <i>International Journal of Quantum Chemistry</i> , 2004, 99, 790-797.	1.0	14
16	Theory of phase stabilities and bonding mechanisms in stoichiometric and substoichiometric molybdenum carbide. <i>Journal of Applied Physics</i> , 1999, 86, 3758-3767.	1.1	100
17	Density functional theory for calculation of elastic properties of orthorhombic crystals: Application to TiSi ₂ . <i>Journal of Applied Physics</i> , 1998, 84, 4891-4904.	1.1	1,565
18	Elastic and high pressure properties of ZnO. <i>Journal of Applied Physics</i> , 1998, 83, 8065-8067.	1.1	96

#	ARTICLE	IF	CITATIONS
19	Theoretical Aspects of the Charge Density Wave in Uranium. <i>Physical Review Letters</i> , 1998, 81, 2978-2981.	2.9	68
20	Transition-metal dioxides with a bulk modulus comparable to diamond. <i>Physical Review B</i> , 1998, 57, 4979-4982.	1.1	60
21	Cohesive properties of the lanthanides: Effect of generalized gradient corrections and crystal structure. <i>Physical Review B</i> , 1998, 58, 4345-4351.	1.1	56
22	Theoretical study of structural and electronic properties of VHx. <i>Physical Review B</i> , 1998, 58, 5230-5235.	1.1	25
23	Method for Calculating Valence Stability in Lanthanide Systems. <i>Physical Review Letters</i> , 1997, 79, 4637-4640.	2.9	52
24	Anomaly in the Ratio of Zn under Pressure. <i>Physical Review Letters</i> , 1997, 79, 2301-2303.	2.9	48
25	Elastic constants of hexagonal transition metals: Theory. <i>Physical Review B</i> , 1995, 51, 17431-17438.	1.1	546
26	Electronically driven volume collapses of bantam-heavy actinide elements at high pressure. <i>Physica B: Condensed Matter</i> , 1993, 190, 12-20.	1.3	4