

# Lars Fast

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3850547/publications.pdf>

Version: 2024-02-01

26  
papers

2,714  
citations

686830

13  
h-index

610482

24  
g-index

26  
all docs

26  
docs citations

26  
times ranked

2182  
citing authors

#	ARTICLE	IF	CITATIONS
1	Density functional theory for calculation of elastic properties of orthorhombic crystals: Application to TiSi <sub>2</sub> . Journal of Applied Physics, 1998, 84, 4891-4904.	1.1	1,565
2	Elastic constants of hexagonal transition metals: Theory. Physical Review B, 1995, 51, 17431-17438.	1.1	546
3	Theory of phase stabilities and bonding mechanisms in stoichiometric and substoichiometric molybdenum carbide. Journal of Applied Physics, 1999, 86, 3758-3767.	1.1	100
4	Elastic and high pressure properties of ZnO. Journal of Applied Physics, 1998, 83, 8065-8067.	1.1	96
5	Theoretical Aspects of the Charge Density Wave in Uranium. Physical Review Letters, 1998, 81, 2978-2981.	2.9	68
6	Transition-metal dioxides with a bulk modulus comparable to diamond. Physical Review B, 1998, 57, 4979-4982.	1.1	60
7	Cohesive properties of the lanthanides: Effect of generalized gradient corrections and crystal structure. Physical Review B, 1998, 58, 4345-4351.	1.1	56
8	Method for Calculating Valence Stability in Lanthanide Systems. Physical Review Letters, 1997, 79, 4637-4640.	2.9	52
9	Anomalous Ratio of Zn under Pressure. Physical Review Letters, 1997, 79, 2301-2303.	2.9	48
10	Electrical resistance measurement methods and electrical characterization of poly(3,4-ethylenedioxythiophene)-coated conductive fibers. Journal of Applied Polymer Science, 2012, 124, 2954-2961.	1.3	29
11	Theoretical study of structural and electronic properties of V <sub>2</sub> Hf. Physical Review B, 1998, 58, 5230-5235.	1.1	25
12	A statistical operating cycle description for prediction of road vehicles' energy consumption. Transportation Research, Part D: Transport and Environment, 2019, 73, 205-229.	3.2	16
13	Density functional theory for superconductors. International Journal of Quantum Chemistry, 2004, 99, 790-797.	1.0	14
14	Measurements of air discharges from insulating, electrostatic dissipative and conductive materials with different ESD probes. Journal of Electrostatics, 2005, 63, 539-544.	1.0	11
15	Risks of damage to electronics with reference to charged clothing. Journal of Electrostatics, 2005, 63, 603-608.	1.0	6
16	Electronically driven volume collapses of bantam-heavy actinide elements at high pressure. Physica B: Condensed Matter, 1993, 190, 12-20.	1.3	4
17	Can ESD-protective garments screen static electric fields?. Journal of Electrostatics, 2005, 63, 621-626.	1.0	4
18	Simultaneous measurement of ignition energy and current signature for brush discharges. Journal of Physics: Conference Series, 2011, 301, 012035.	0.3	3

#	ARTICLE	IF	CITATIONS
19	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
20	Charging of a person exiting a car seat. <i>Journal of Physics: Conference Series</i> , 2008, 142, 012004.	0.3	2
21	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
22	A modified potential probe for induction charging risk assessment. <i>Journal of Physics: Conference Series</i> , 2008, 142, 012035.	0.3	1
23	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
24	Deposition of Ti-Si-C-Ag Nanocomposite Coatings as Electrical Contact Material. , 2010, , .		1
25	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
26	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