

Roland K Schulze

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5554918/publications.pdf>

Version: 2024-02-01

31
papers

1,858
citations

516710

16
h-index

477307

29
g-index

34
all docs

34
docs citations

34
times ranked

3353
citing authors

#	ARTICLE	IF	CITATIONS
1	The temperatures of ejecta transporting in vacuum and gases. Journal of Applied Physics, 2022, 131, 195104.	2.5	2
2	Understanding the transport and break up of reactive ejecta. Physica D: Nonlinear Phenomena, 2021, 415, 132787.	2.8	10
3	Studies of reactive and nonreactive metalsâ€“ejectaâ€“transporting nonreactive and reactive gases and vacuum. AIP Conference Proceedings, 2020, , .	0.4	3
4	Ejecta Transport, Breakup and Conversion. Journal of Dynamic Behavior of Materials, 2017, 3, 334-345.	1.7	30
5	Efficient hydrogen evolution in transition metal dichalcogenides via a simple one-step hydrazine reaction. Nature Communications, 2016, 7, 11857.	12.8	179
6	Influence of surface contamination on the wettability of heat transfer surfaces. International Journal of Heat and Mass Transfer, 2015, 91, 311-317.	4.8	27
7	Anisotropic thermal conductivity in uranium dioxide. Nature Communications, 2014, 5, 4551.	12.8	93
8	Incommensurate antiferromagnetism in a pure spin system via cooperative organization of local and itinerant moments. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 3287-3292.	7.1	29
9	Density of states features in some anomalous melting elements. Journal of Physics Condensed Matter, 2013, 25, 465107.	1.8	0
10	Studies on thin film MgB2 for applications to RF structures for particle accelerators. AIP Conference Proceedings, 2012, , .	0.4	9
11	Epitaxial Superconducting $\hat{\Gamma}$ -MoN Films Grown by a Chemical Solution Method. Journal of the American Chemical Society, 2011, 133, 20735-20737.	13.7	48
12	Understanding the Complex Phase Diagram of Uranium: The Role of Electron-Phonon Coupling. Physical Review Letters, 2011, 107, 136401.	7.8	47
13	Effect of Air Exposure on Surface Properties, Electronic Structure, and Carrier Relaxation in PbSe Nanocrystals. ACS Nano, 2010, 4, 2021-2034.	14.6	230
14	Band Structure of SnTe Studied by Photoemission Spectroscopy. Physical Review Letters, 2010, 105, 086404.	7.8	90
15	Oxidized Germanium as a Broad-Band Sensitizer for Er-Doped SnO ₂ Nanofibers. Journal of Physical Chemistry C, 2009, 113, 12-16.	3.1	23
16	Combined Experimental and Theoretical Investigation of the Premartensitic Transition in NiMnGa_2 . Physical Review Letters, 2008, 100, 165703.	7.8	112
17	Electronic instabilities in shape-memory alloys: Thermodynamic and electronic structure studies of the martensitic transition. Physical Review B, 2007, 75, .	3.2	9
18	Plutonium uptake by brucite and hydroxylated periclase. Journal of Alloys and Compounds, 2007, 444-445, 533-539.	5.5	17

#	ARTICLE	IF	CITATIONS
19	Angle-resolved photoemission and first-principles electronic structure of single-crystalline δ -U(001). <i>Physical Review B</i> , 2007, 75, .	3.2	16
20	Thermal stability of sputtered Cu/ δ -304 stainless steel multilayer films. <i>Journal of Applied Physics</i> , 2007, 101, 124311.	2.5	8
21	Uranium Hydride Formation Study as Observed by Scanning Surface Potential Imaging. <i>Materials Research Society Symposia Proceedings</i> , 2006, 986, 1.	0.1	0
22	Photoelectric Effect in Uranium. <i>Journal of the Physical Society of Japan</i> , 2006, 75, 56-57.	1.6	2
23	Laser acceleration of quasi-monoenergetic MeV ion beams. <i>Nature</i> , 2006, 439, 441-444.	27.8	659
24	Magnetic anisotropy study of ion-beam synthesized cobalt nanocrystals. <i>Applied Physics Letters</i> , 2006, 89, 182502.	3.3	6
25	Array of cobalt nanoparticles in silica: Synthesis and effects of thermal annealing. <i>Journal of Applied Physics</i> , 2006, 99, 104307.	2.5	7
26	Valence-band UPS, 6p core-level XPS, and LEED of a uranium (001) single crystal. <i>Physical Review B</i> , 2006, 73, .	3.2	23
27	Critical factors that determine face-centered cubic to body-centered cubic phase transformation in sputter-deposited austenitic stainless steel films. <i>Journal of Materials Research</i> , 2004, 19, 1696-1702.	2.6	16
28	Incorporation of fluorine in hydrogenated silicon carbide films deposited by pulsed glow discharge. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2004, 22, 1223-1228.	2.1	5
29	Surface chemistry of Pu oxides. <i>Journal of Nuclear Materials</i> , 2004, 328, 124-136.	2.7	49
30	Synthesis of cobalt nanoparticles by ion implantation and effects of postimplantation annealing. <i>Journal of Applied Physics</i> , 2004, 96, 4444-4450.	2.5	41
31	Resonant photoemission in f-electron systems: δ -Pu and Gd. <i>Physical Review B</i> , 2003, 68, .	3.2	68