Petr NovÃ¡k

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/6709865/publications.pdf

Version: 2024-02-01

27	365	949033 11	889612 19
papers	citations	h-index	g-index

27	27	27	583
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Characterization of columnar structure of sputtered AZO films by electron microscopy for grain boundary scattering model. AIP Conference Proceedings, 2021, , .	0.3	0
2	Temperature-dependent hall effect studies of AZO thin films. AIP Conference Proceedings, 2021, , .	0.3	0
3	XRD and electron diffraction synergies for textured thin films structure investigation. AIP Conference Proceedings, 2019, , .	0.3	0
4	Self-adhesive electrode applied to ZnO nanorod-based piezoelectric nanogenerators. Smart Materials and Structures, 2019, 28, 105040.	1.8	3
5	Possibilities of Increasing the Usability of Sputtered AZO Films as a Transparent Electrode. Physica Status Solidi (A) Applications and Materials Science, 2019, 216, 1800814.	0.8	15
6	High-rate reactive high-power impulse magnetron sputtering of transparent conductive Al-doped ZnO thin films prepared at ambient temperature. Thin Solid Films, 2019, 679, 35-41.	0.8	12
7	Influence of Oxygen on the Resistivity of Coâ€Sputtered Transparent AZO Films. Physica Status Solidi (A) Applications and Materials Science, 2018, 215, 1700951.	0.8	8
8	Investigation of barium titanate thin films as simple antireflection coatings for solar cells. Applied Surface Science, 2018, 461, 249-254.	3.1	25
9	Identification of electrical properties in individual thickness layers in aluminium-doped zinc oxide films sputtered at 100â€Â°C. Thin Solid Films, 2018, 660, 471-476.	0.8	7
10	Investigation of optical properties of ternary Zn-Ti-O thin films prepared by magnetron reactive co-sputtering. Applied Surface Science, 2017, 421, 674-679.	3.1	1
11	Optimization of sputtered ZnO transparent conductive seed layer for flexible ZnO-nanorod-based devices. Thin Solid Films, 2017, 634, 169-174.	0.8	11
12	Kinetics of the laser-induced solid phase crystallization of amorphous siliconâ€"Time-resolved Raman spectroscopy and computer simulations. Applied Surface Science, 2017, 392, 867-871.	3.1	7
13	Optical properties of zinc titanate perovskite prepared by reactive RF sputtering. Journal of Electrical Engineering, 2017, 68, 10-16.	0.4	9
14	Structural and magnetic properties of the transition metals (TM Co, Ni) and Nb co-doped SrTiO3 thin films. Materials Research Bulletin, 2016, 83, 193-200.	2.7	5
15	Influence of heat generated by a Raman excitation laser on the structural analysis of thin amorphous silicon film. Applied Surface Science, 2016, 364, 302-307.	3.1	8
16	In-situ X-ray diffraction studies and magneto-optic Kerr effect on RF sputtered thin films of BaTiO3 and Co, Nb co-doped BaTiO3. Ceramics International, 2016, 42, 3882-3887.	2.3	16
17	Modeling and fabrication of single cantilever piezoelectric microgenerator with optimized Zno active layer. Thin Solid Films, 2015, 591, 305-310.	0.8	11
18	Reactive magnetron sputtering of Ni doped ZnO thin film: Investigation of optical, structural, mechanical and magnetic properties. Journal of Alloys and Compounds, 2015, 636, 85-92.	2.8	38

#	Article	IF	Citations
19	Highly c-axis oriented ZnO:Ni thin film nanostructure by RF magnetron sputtering: Structural, morphological and magnetic studies. Applied Surface Science, 2014, 316, 524-531.	3.1	15
20	Finite-thickness effect on crystallization kinetics in thin films and its adaptation in the Johnsonâ€“Mehlâ€“Avramiâ€“Kolmogorov model. Journal of Applied Physics, 2014, 115, 043505.	1.1	14
21	Investigation of Preferred Orientation of ZnO Thin Films Prepared by Magnetron Sputtering. Sensor Letters, 2014, 12, 1760-1764.	0.4	4
22	Mechanical and tribological properties of sputtered Moâ€“Oâ€“N coatings. Surface and Coatings Technology, 2013, 215, 386-392.	2.2	10
23	Influence of deposition conditions of ZnO thin films on their photonic properties. , 2011, , .		0
24	Effect of nitrogen on tribological properties of amorphous carbon films alloyed with titanium. Surface and Coatings Technology, 2011, 205, S84-S88.	2.2	14
25	Coefficient of friction and wear of sputtered a-C thin coatings containing Mo. Surface and Coatings Technology, 2010, 205, 1486-1490.	2.2	16
26	Tribological and mechanical properties of nanocrystalline-TiC/a-C nanocomposite thin films. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2010, 28, 244-249.	0.9	114
27	Self-Texture Control of ZnO Films Prepared by Reactive RF Magnetron Sputtering. Key Engineering Materials, 0, 605, 219-222.	0.4	2