

Petr Novk

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papers

285
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27
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326
ext. citations

3.6
avg, IF

3.31
L-index

#	Paper	IF	Citations
23	Tribological and mechanical properties of nanocrystalline-TiC/a-C nanocomposite thin films. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2010 , 28, 244-249	2.9	99
22	Reactive magnetron sputtering of Ni doped ZnO thin film: Investigation of optical, structural, mechanical and magnetic properties. <i>Journal of Alloys and Compounds</i> , 2015 , 636, 85-92	5.7	34
21	Investigation of barium titanate thin films as simple antireflection coatings for solar cells. <i>Applied Surface Science</i> , 2018 , 461, 249-254	6.7	15
20	Finite-thickness effect on crystallization kinetics in thin films and its adaptation in the Johnson-Mehl-Avrami-Kolmogorov model. <i>Journal of Applied Physics</i> , 2014 , 115, 043505	2.5	14
19	In-situ X-ray diffraction studies and magneto-optic Kerr effect on RF sputtered thin films of BaTiO ₃ and Co, Nb co-doped BaTiO ₃ . <i>Ceramics International</i> , 2016 , 42, 3882-3887	5.1	13
18	Highly c-axis oriented ZnO:Ni thin film nanostructure by RF magnetron sputtering: Structural, morphological and magnetic studies. <i>Applied Surface Science</i> , 2014 , 316, 524-531	6.7	12
17	Effect of nitrogen on tribological properties of amorphous carbon films alloyed with titanium. <i>Surface and Coatings Technology</i> , 2011 , 205, S84-S88	4.4	11
16	Coefficient of friction and wear of sputtered a-C thin coatings containing Mo. <i>Surface and Coatings Technology</i> , 2010 , 205, 1486-1490	4.4	10
15	Modeling and fabrication of single cantilever piezoelectric microgenerator with optimized ZnO active layer. <i>Thin Solid Films</i> , 2015 , 591, 305-310	2.2	9
14	Optimization of sputtered ZnO transparent conductive seed layer for flexible ZnO-nanorod-based devices. <i>Thin Solid Films</i> , 2017 , 634, 169-174	2.2	8
13	Possibilities of Increasing the Usability of Sputtered AZO Films as a Transparent Electrode. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2019 , 216, 1800814	1.6	8
12	High-rate reactive high-power impulse magnetron sputtering of transparent conductive Al-doped ZnO thin films prepared at ambient temperature. <i>Thin Solid Films</i> , 2019 , 679, 35-41	2.2	8
11	Mechanical and tribological properties of sputtered MoD _N coatings. <i>Surface and Coatings Technology</i> , 2013 , 215, 386-392	4.4	8
10	Optical properties of zinc titanate perovskite prepared by reactive RF sputtering. <i>Journal of Electrical Engineering</i> , 2017 , 68, 10-16	0.6	6
9	Influence of Oxygen on the Resistivity of Co-Sputtered Transparent AZO Films. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2018 , 215, 1700951	1.6	5
8	Influence of heat generated by a Raman excitation laser on the structural analysis of thin amorphous silicon film. <i>Applied Surface Science</i> , 2016 , 364, 302-307	6.7	5
7	Structural and magnetic properties of the transition metals (TMCo, Ni) and Nb co-doped SrTiO ₃ thin films. <i>Materials Research Bulletin</i> , 2016 , 83, 193-200	5.1	5

6	Identification of electrical properties in individual thickness layers in aluminium-doped zinc oxide films sputtered at 100 °C. <i>Thin Solid Films</i> , 2018 , 660, 471-476	2.2	4
5	Kinetics of the laser-induced solid phase crystallization of amorphous silicon—time-resolved Raman spectroscopy and computer simulations. <i>Applied Surface Science</i> , 2017 , 392, 867-871	6.7	4
4	Investigation of Preferred Orientation of ZnO Thin Films Prepared by Magnetron Sputtering. <i>Sensor Letters</i> , 2014 , 12, 1760-1764	0.9	4
3	Self-adhesive electrode applied to ZnO nanorod-based piezoelectric nanogenerators. <i>Smart Materials and Structures</i> , 2019 , 28, 105040	3.4	2
2	Investigation of optical properties of ternary Zn-Ti-O thin films prepared by magnetron reactive co-sputtering. <i>Applied Surface Science</i> , 2017 , 421, 674-679	6.7	1
1	Self-Texture Control of ZnO Films Prepared by Reactive RF Magnetron Sputtering. <i>Key Engineering Materials</i> , 2014 , 605, 219-222	0.4	0