

Joerg Patscheider

List of Publications by Year in descending order

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30
papers

1,425
citations

516710

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docs citations

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times ranked

1619
citing authors

#	ARTICLE	IF	CITATIONS
1	Conductive n-type gallium nitride thin films prepared by sputter deposition. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2022, 40, 042703.	2.1	0
2	Plasmon-Mediated Oxidation Reaction on Au/p-Cu ₂ O: The Origin of Hot Holes. Physchem, 2021, 1, 163-175.	1.1	2
3	Experimental and theoretical evidence of charge transfer in multi-component alloys – how chemical interactions reduce atomic size mismatch. Materials Chemistry Frontiers, 2021, 5, 5746-5759.	5.9	14
4	Recoverable and Reusable Polymer Microbead-Supported Metal Nanocatalysts for Redox Chemical Transformations. ACS Applied Nano Materials, 2020, 3, 1722-1730.	5.0	3
5	In Situ Formation of Ge Nanoparticles by Annealing of Al-Ge-N Thin Films Followed by HAXPES and XRD. Inorganic Chemistry, 2019, 58, 11100-11109.	4.0	2
6	On the structural and magnetic properties of the double perovskite $\text{Nd}_2\text{NiMnO}_6$. Journal of Materials Science: Materials in Electronics, 2019, 30, 16571-16578.	2.2	3
7	Influence of Deposition Temperature on the Phase Evolution of HfNbTiVZr High-Entropy Thin Films. Materials, 2019, 12, 587.	2.9	31
8	Understanding the microstructural evolution and mechanical properties of transparent Al-O-N and Al-Si-O-N films. Science and Technology of Advanced Materials, 2019, 20, 1031-1042.	6.1	4
9	A setup for arc-free reactive DC sputter deposition of Al-O-N. Surface and Coatings Technology, 2019, 362, 220-224.	4.8	2
10	Surface analysis of nickel nanomaterials electrodeposited on graphite surface. Micro and Nano Letters, 2019, 14, 1233-1237.	1.3	1
11	Spectral artefacts post sputter-etching and how to cope with them – A case study of XPS on nitride-based coatings using monoatomic and cluster ion beams. Applied Surface Science, 2018, 442, 487-500.	6.1	24
12	Influence of oxygen content on structure and material properties of reactively sputtered Al-Ge-O-N thin films. Journal of Alloys and Compounds, 2018, 738, 515-527.	5.5	10
13	Effect of <i>in situ</i> electric-field-assisted growth on antiphase boundaries in epitaxial Fe_3O_4 thin films on MgO. Physical Review Materials, 2018, 2, .	2.4	6
14	Synthesis and characterization of MoB _{2-x} thin films grown by nonreactive DC magnetron sputtering. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2016, 34, .	2.1	32
15	Structure and properties of sputter-deposited Al-Sn-N thin films. Journal of Alloys and Compounds, 2016, 682, 42-51.	5.5	21
16	Flow hydrogenation of p-nitrophenol with nano-Ag/Al ₂ O ₃ . RSC Advances, 2016, 6, 87564-87568.	3.6	19
17	Photochemical and electrocatalytic water oxidation activity of cobalt carbodiimide. Journal of Materials Chemistry A, 2015, 3, 5072-5082.	10.3	68
18	Morphology, microstructure evolution and optical properties of Al-Si-N nanocomposite coatings. Surface and Coatings Technology, 2014, 257, 114-120.	4.8	51

#	ARTICLE	IF	CITATIONS
19	Modified high power impulse magnetron sputtering process for increased deposition rate of titanium. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2013, 31, .	2.1	26
20	Phase constitution and interface structure of nano-sized Ag-Cu/AlN multilayers: Experiment and <i>ab initio</i> modeling. Applied Physics Letters, 2012, 101, .	3.3	16
21	Nanocomposite Al-Ge-N thin films and their mechanical and optical properties. Journal of Materials Chemistry, 2012, 22, 16761.	6.7	15
22	New spinel oxide catalysts for visible-light-driven water oxidation. RSC Advances, 2012, 2, 3076.	3.6	27
23	A complete and self-consistent evaluation of XPS spectra of TiN. Journal of Electron Spectroscopy and Related Phenomena, 2012, 185, 523-534.	1.7	168
24	Electronic structure of the SiN _x /TiN interface: A model system for superhard nanocomposites. Physical Review B, 2011, 83, .	3.2	42
25	Complex phase compositions in nanostructured coatings as evidenced by photoelectron spectroscopy: The case of Al-Si-N hard coatings. Journal of Applied Physics, 2010, 108, 023508.	2.5	14
26	Influence of sputter damage on the XPS analysis of metastable nanocomposite coatings. Surface and Coatings Technology, 2009, 204, 455-462.	4.8	84
27	Tribological Properties of Nanocomposite CrC _x /a-C:H Thin Films. Tribology Letters, 2007, 27, 97-104.	2.6	20
28	Nanocomposite Hard Coatings for Wear Protection. MRS Bulletin, 2003, 28, 180-183.	3.5	166
29	Structure-performance relations in nanocomposite coatings. Surface and Coatings Technology, 2001, 146-147, 201-208.	4.8	314
30	Nanocomposite TiC/a-C:H hard coatings deposited by reactive PVD. Surface and Coatings Technology, 2000, 133-134, 138-144.	4.8	240