

# Marcin Wojtyniak

## List of Publications by Year in descending order

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41  
papers

496  
citations

759233

12  
h-index

713466

21  
g-index

41  
all docs

41  
docs citations

41  
times ranked

865  
citing authors

#	ARTICLE	IF	CITATIONS
1	Microstructural and magnetic characterization of Ni <sub>0.5</sub> Zn <sub>0.5</sub> Fe <sub>2</sub> O <sub>4</sub> ferrite nanoparticles. Journal of Physics and Chemistry of Solids, 2019, 129, 1-21.	4.0	81
2	Electro-degradation and resistive switching of Fe-doped SrTiO <sub>3</sub> single crystal. Journal of Applied Physics, 2013, 113, .	2.5	45
3	Unique properties of silver and copper silica-based nanocomposites as antimicrobial agents. RSC Advances, 2017, 7, 28092-28104.	3.6	40
4	Gas and water vapor transport properties of mixed matrix membranes containing 13X zeolite. Journal of Membrane Science, 2017, 526, 334-347.	8.2	29
5	Functionalized mesoporous silica thin films as a tunable nonlinear optical material. Nanoscale, 2017, 9, 12110-12123.	5.6	22
6	Local surface conductivity of transition metal oxides mapped with true atomic resolution. Nanoscale, 2018, 10, 11498-11505.	5.6	21
7	Glycofullerenes as non-receptor tyrosine kinase inhibitors- towards better nanotherapeutics for pancreatic cancer treatment. Scientific Reports, 2020, 10, 260.	3.3	20
8	Impact of annealing on features of BCP coating on NiTi shape memory alloy: Preparation and physicochemical characterization. Applied Surface Science, 2018, 437, 28-40.	6.1	18
9	Gas transport through mixed matrix membranes composed of polysulfone and copper terephthalate particles. Microporous and Mesoporous Materials, 2016, 235, 120-134.	4.4	15
10	Magnetic and magneto-optical properties of nickel hexacyanoferrate/chromate thin films. RSC Advances, 2017, 7, 1382-1386.	3.6	15
11	Study of morphology and magnetic properties of the HoNi <sub>3</sub> crystalline and ball-milled compound. Materials Characterization, 2015, 101, 58-70.	4.4	14
12	Local conductivity of epitaxial Fe-doped SrTiO <sub>3</sub> thin films. Phase Transitions, 2011, 84, 483-488.	1.3	13
13	The dielectric signature of glass density. Applied Physics Letters, 2017, 111, .	3.3	12
14	The thermal stability of Pt/Ir coated AFM tips for resistive switching measurements. Applied Surface Science, 2011, 257, 7627-7632.	6.1	11
15	Experimental evidence on the effect of substrate roughness on segmental dynamics of confined polymer films. Polymer, 2020, 199, 122501.	3.8	11
16	Morphology and local conductance of single crystalline Bi <sub>2</sub> Te <sub>3</sub> thin films on mica. Nanoscale, 2015, 7, 16034-16038.	5.6	10
17	Application of HEBM for obtaining Ho(Ni <sub>0.5</sub> Co <sub>0.5</sub> ) <sub>3</sub> nanoflakes. Materials Chemistry and Physics, 2016, 177, 299-313.	4.0	10
18	X-ray absorption and resonant photoemission studies of Mn doped SrTiO <sub>3</sub> epitaxial films. Radiation Physics and Chemistry, 2013, 93, 123-128.	2.8	9

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19	Synthesis of nanostructured Ho(Ni <sub>0.5</sub> Fe <sub>0.5</sub> ) <sub>3</sub> compound via ball-milling. <i>Materials Characterization</i> , 2015, 110, 145-159.	4.4	9
20	SBA-15 mesoporous silica free-standing thin films containing copper ions bounded via propyl phosphonate units - preparation and characterization. <i>Journal of Solid State Chemistry</i> , 2016, 241, 143-151.	2.9	9
21	The effect of gamma irradiation on the structural properties of olivine. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2018, 317, 261-268.	1.5	8
22	Unique Behavior of Poly(propylene glycols) Confined within Alumina Templates Having a Nanostructured Interface. <i>Nano Letters</i> , 2020, 20, 5714-5719.	9.1	8
23	Inhomogeneity and Segregation Effect in the Surface Layer of Fe-Doped SrTiO <sub>3</sub> Single Crystals. <i>Crystals</i> , 2020, 10, 33.	2.2	8
24	The influence of the nanocurvature on the surface interactions and molecular dynamics of model liquid confined in cylindrical pores. <i>Journal of Molecular Liquids</i> , 2020, 298, 111973.	4.9	7
25	Evolution of morphology and magnetism of Ho(Fe <sub>0.5</sub> Co <sub>0.5</sub> ) <sub>3</sub> intermetallic nanopowders synthesized by HEBM. <i>Intermetallics</i> , 2016, 76, 56-69.	3.9	6
26	Hard confinement systems as effective <i>nanoreactors</i> for <i>in situ</i> photo-RAFT: towards control over molecular weight distribution and morphology. <i>Polymer Chemistry</i> , 2021, 12, 1105-1113.	3.9	6
27	Magnetic Behavior of O-Carboxymethylchitosan Bounded With Iron Oxide Particles. <i>IEEE Transactions on Magnetics</i> , 2010, 46, 459-462.	2.1	5
28	HoFe <sub>3</sub> magnetic nanopowders fabricated by high energy ball milling. <i>Materials Characterization</i> , 2017, 126, 42-56.	4.4	5
29	Studying tautomerism in an important pharmaceutical glibenclamide confined in the thin nanometric layers. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 182, 110319.	5.0	5
30	Europium Doping Impact on the Properties of MBE Grown Bi <sub>2</sub> Te <sub>3</sub> Thin Film. <i>Materials</i> , 2020, 13, 3111.	2.9	5
31	Stability of Ferrous Fumarate in Medicaments for Women: Application of Mössbauer Spectroscopy. <i>Acta Physica Polonica A</i> , 2016, 129, 1242-1244.	0.5	5
32	The impact of the magnetic impurity phases on the magnetic behavior in valence fluctuating compound Ce <sub>2</sub> Rh <sub>3</sub> Ge. <i>Intermetallics</i> , 2017, 85, 144-148.	3.9	4
33	Characterization of HoCo <sub>3</sub> nanoflakes synthesized via high energy ball-milling. <i>Materials Chemistry and Physics</i> , 2017, 194, 105-117.	4.0	3
34	Rondorfite-type structure XPS and UV-vis study. <i>Materials Research Bulletin</i> , 2015, 70, 920-927.	5.2	2
35	Conductive AFM for Nanoscale Analysis of High-k Dielectric Metal Oxides. <i>Nanoscience and Technology</i> , 2019, , 29-70.	1.5	2
36	The Nanoflower-Like Morphology and Magnetism of As-Milled Ho(Ni <sub>0.8</sub> Co <sub>0.2</sub> ) <sub>3</sub> Powders Prepared by HEBM. <i>Solid State Phenomena</i> , 0, 257, 76-80.	0.3	1

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37	Novel Ho(Ni <sub>0.8</sub> Co <sub>0.2</sub> ) <sub>3</sub> nanoflakes produced by high energy ball “ milling. Materials Characterization, 2017, 128, 43-53.	4.4	1
38	Mössbauer Spectroscopy Study in Characterization of Steel Production Dusts. Acta Physica Polonica A, 2019, 135, 122-124.	0.5	1
39	Magnetic properties of Eu-Fe thin films. Journal of Applied Physics, 2013, 113, 17E143.	2.5	0
40	Structural and Electronic Properties of Qatranait. Advances in Materials Science and Engineering, 2019, 2019, 1-6.	1.8	0
41	High temperature transformation of iron-bearing minerals in basalt: Mössbauer spectroscopy studies. Mineralogia, 2022, 53, 10-19.	0.8	0