

Jerzy Kubacki

List of Publications by Year in descending order

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papers

711
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567281

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times ranked

1080
citing authors

#	ARTICLE	IF	CITATIONS
1	Dielectric and electromagnetic interference shielding properties of high entropy (Zn,Fe,Ni,Mg,Cd)Fe ₂ O ₄ ferrite. Scientific Reports, 2019, 9, 20078.	3.3	108
2	Structure and properties of Al ₂ O ₃ thin films deposited by ALD process. Vacuum, 2016, 131, 319-326.	3.5	50
3	Electronic structure of NaNbO ₃ ∧Mn single crystals. Journal of Alloys and Compounds, 2001, 328, 156-161.	5.5	47
4	Photofunctionalization of Titanium: An Alternative Explanation of Its Chemical-Physical Mechanism. PLoS ONE, 2016, 11, e0157481.	2.5	37
5	Photofunctionalization of dental zirconia oxide: Surface modification to improve bio-integration preserving crystal stability. Colloids and Surfaces B: Biointerfaces, 2017, 156, 194-202.	5.0	37
6	Detection of Fe ²⁺ valence states in Fe doped SrTiO ₃ epitaxial thin films grown by pulsed laser deposition. Physical Chemistry Chemical Physics, 2013, 15, 8311.	2.8	32
7	Nano-scale chemical and structural segregation induced in surface layer of NaNbO ₃ crystals with thermal treatment at oxidising conditions studied by XPS, AFM, XRD, and electric properties tests. Phase Transitions, 2009, 82, 662-682.	1.3	28
8	The influence of atomic layer deposition process temperature on ZnO thin film structure. Applied Surface Science, 2019, 474, 177-186.	6.1	26
9	Local surface conductivity of transition metal oxides mapped with true atomic resolution. Nanoscale, 2018, 10, 11498-11505.	5.6	21
10	Structure of NaNbO ₃ : xMn Single Crystals at Room Temperature. Crystal Research and Technology, 2001, 36, 893-902.	1.3	20
11	Characteristics of CrAlSiN+DLC coating deposited by lateral rotating cathode arc PVD and PACVD process. Applied Surface Science, 2014, 312, 126-133.	6.1	20
12	Influence of unique structure of glassy carbon on morphology and properties of its epoxy-based binary composites and hybrid composites with carbon nanotubes. Composites Science and Technology, 2016, 134, 72-80.	7.8	19
13	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
14	Mullitization process of andalusite concentrates ∧ Role of natural inclusions. Ceramics International, 2014, 40, 5129-5136.	4.8	17
15	Nanolayers of Poly(N,N∧-Dimethylaminoethyl Methacrylate) with a Star Topology and Their Antibacterial Activity. Polymers, 2020, 12, 230.	4.5	16
16	Electronic structure of epitaxial Fe-doped SrTiO ₃ thin films. Phase Transitions, 2011, 84, 489-500.	1.3	14
17	Metal∧insulator transition induced by non-stoichiometry of surface layer and molecular reactions on single crystal KTaO ₃ . Surface Science, 2012, 606, 1252-1262.	1.9	14
18	Multifunctional layers formation on the surface of NiTi SMA during ∧ ² -tricalcium phosphate deposition. Materials Letters, 2015, 157, 295-298.	2.6	13

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19	Relevance of the Poly(ethylene glycol) Linkers in Peptide Surfaces for Proteases Assays. <i>Langmuir</i> , 2014, 30, 5015-5025.	3.5	12
20	Influence of adsorbates on the piezoresponse of KNbO ₃ . <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2006, 203, 616-621.	1.8	11
21	Impact of Fe doping on the electronic structure of SrTiO ₃ thin films determined by resonant photoemission. <i>Journal of Chemical Physics</i> , 2018, 148, 154702.	3.0	11
22	Stable star polymer nanolayers and their thermoresponsiveness as a tool for controlled culture and detachment of fibroblast sheets. <i>Journal of Materials Chemistry B</i> , 2018, 6, 641-655.	5.8	11
23	Synthesis and characterisation of PEG-peptide surfaces for proteolytic enzyme detection. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 9049-9059.	3.7	10
24	X-ray absorption and resonant photoemission studies of Mn doped SrTiO ₃ epitaxial films. <i>Radiation Physics and Chemistry</i> , 2013, 93, 123-128.	2.8	9
25	Characteristics of CrAlSiN+MoS ₂ coating deposited by cathodic arc and magnetron sputtering process. <i>Vacuum</i> , 2019, 163, 360-367.	3.5	9
26	Investigations of Electron Properties of Carbon Nanotubes Decorated with Platinum Nanoparticles with Their Varying Fraction. <i>Journal of Nanomaterials</i> , 2016, 2016, 1-8.	2.7	8
27	Sol-gel multilayered coatings for reduction of H ₂ permeation. <i>Applied Surface Science</i> , 2019, 497, 143691.	6.1	8
28	Toward the Development of an Innovative Implant: NiTi Alloy Functionalized by Multifunctional β -TCP+Ag/SiO ₂ Coatings. <i>ACS Applied Bio Materials</i> , 2019, 2, 987-998.	4.6	8
29	Defect-induced intermediate phase appearance in a single PbZrO ₃ crystal. <i>Journal of Alloys and Compounds</i> , 2020, 812, 152090.	5.5	8
30	Star polymer-based nanolayers with immobilized complexes of polycationic stars and DNA for deposition gene delivery and recovery of intact transfected cells. <i>International Journal of Pharmaceutics</i> , 2020, 589, 119823.	5.2	8
31	Multi-layered graphenic structures as the effect of chemical modification of thermally treated anthracite. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2018, 26, 405-416.	2.1	7
32	The atomic scale structure of glass-like carbon obtained from fullerene extract via spark plasma sintering. <i>Carbon</i> , 2016, 110, 172-179.	10.3	6
33	Surface-bulk interrelation in a PbZrO ₃ single crystal. <i>Journal of Materials Chemistry C</i> , 2017, 5, 10456-10461.	5.5	6
34	Improved performance of the functionalized nitinol as a prospective bone implant material. <i>Journal of Materials Research</i> , 2018, 33, 2554-2564.	2.6	6
35	Evaluation of Bacterial Adhesion to the ZrO ₂ Atomic Layer Deposited on the Surface of Cobalt-Chromium Dental Alloy Produced by DMLS Method. <i>Materials</i> , 2021, 14, 1079.	2.9	6
36	Photofunctionalization effect and biological ageing of PEEK, TiO ₂ and ZrO ₂ abutments material. <i>Materials Science and Engineering C</i> , 2021, 121, 111823.	7.3	6

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37	Weak ferromagnetic response in $\text{PbZr}_{1-x}\text{Ti}_x\text{O}_3$ single crystals. Journal of Materials Chemistry C, 2019, 7, 11085-11089.	5.5	5
38	Characteristics of the AlTiCrN+DLC coating deposited with a cathodic arc and the PACVD process. Materiali in Tehnologije, 2016, 50, 175-181.	0.5	5
39	Hybrid nanolayers of star polymers and silver nanoparticles with antibacterial activity. Colloids and Surfaces B: Biointerfaces, 2022, 213, 112404.	5.0	3
40	X-ray absorption and resonant photoemission studies of electroforming process in Fe-doped SrTiO_3 epitaxial films. X-Ray Spectrometry, 2015, 44, 339-343.	1.4	2
41	Rondorfite-type structure – XPS and UV-vis study. Materials Research Bulletin, 2015, 70, 920-927.	5.2	2
42	Formation and role in gas sensing properties of spherical and hollow silver nanoparticles deposited on the surface of electrochemically exfoliated graphite. Applied Surface Science, 2022, 580, 152316.	6.1	2
43	Temperature-Driven Changes of Electronic Structure Through the Phase Transition in Magnetocaloric Compound $\text{Mn}_{1.1}\text{Fe}_{0.9}\text{P}_{0.55}\text{As}_{0.45}$. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	1
44	Magnetic moments and exchange splitting in Mn3s and Mn2p core levels of magnetocaloric $\text{Mn}_{1.1}\text{Fe}_{0.9}\text{P}_{0.6}\text{As}_{0.4}$ and $\text{Mn}_{1.1}\text{Fe}_{0.9}\text{P}_{0.5}\text{As}_{0.4}\text{Si}_{0.1}$ compounds. Physica B: Condensed Matter, 2018, 549, 127-132.	2.7	1
45	Surface chemistry of BSCF material after Ar+ ion treatment and at elevated temperatures. Radiation Physics and Chemistry, 2020, 175, 108340.	2.8	1
46	Cisplatin - A new wide bandgap semiconductor. Journal of Alloys and Compounds, 2020, 817, 153270.	5.5	1
47	The glass-like structure of iron-nickel nanochains produced by the magnetic-field-induced reduction reaction with sodium borohydride. Physical Chemistry Chemical Physics, 2021, 24, 326-335.	2.8	1
48	Fe valence determination in doped SrTiO_3 epitaxial films. , 2012, , .		0