

Jerzy Kubacki

List of Publications by Year in descending order

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48
papers

711
citations

567281

15
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580821

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docs citations

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times ranked

1080
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Formation and role in gas sensing properties of spherical and hollow silver nanoparticles deposited on the surface of electrochemically exfoliated graphite. <i>Applied Surface Science</i> , 2022, 580, 152316. | 6.1 | 2 |
| 2 | Hybrid nanolayers of star polymers and silver nanoparticles with antibacterial activity. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022, 213, 112404. | 5.0 | 3 |
| 3 | 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 |
| 4 | 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 |
| 5 | The glass-like structure of iron–nickel nanochains produced by the magnetic-field-induced reduction reaction with sodium borohydride. <i>Physical Chemistry Chemical Physics</i> , 2021, 24, 326-335. | 2.8 | 1 |
| 6 | Surface chemistry of BSCF material after Ar ⁺ ion treatment and at elevated temperatures. <i>Radiation Physics and Chemistry</i> , 2020, 175, 108340. | 2.8 | 1 |
| 7 | Defect-induced intermediate phase appearance in a single PbZrO ₃ crystal. <i>Journal of Alloys and Compounds</i> , 2020, 812, 152090. | 5.5 | 8 |
| 8 | Cisplatin - A new wide bandgap semiconductor. <i>Journal of Alloys and Compounds</i> , 2020, 817, 153270. | 5.5 | 1 |
| 9 | 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 |
| 10 | Nanolayers of Poly(N,N-Dimethylaminoethyl Methacrylate) with a Star Topology and Their Antibacterial Activity. <i>Polymers</i> , 2020, 12, 230. | 4.5 | 16 |
| 11 | Sol-gel multilayered coatings for reduction of H ₂ permeation. <i>Applied Surface Science</i> , 2019, 497, 143691. | 6.1 | 8 |
| 12 | Weak ferromagnetic response in PbZr _{1-x} Ti _x O ₃ single crystals. <i>Journal of Materials Chemistry C</i> , 2019, 7, 11085-11089. | 5.5 | 5 |
| 13 | 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 |
| 14 | Characteristics of CrAlSiN+MoS ₂ coating deposited by cathodic arc and magnetron sputtering process. <i>Vacuum</i> , 2019, 163, 360-367. | 3.5 | 9 |
| 15 | Dielectric and electromagnetic interference shielding properties of high entropy (Zn,Fe,Ni,Mg,Cd)Fe ₂ O ₄ ferrite. <i>Scientific Reports</i> , 2019, 9, 20078. | 3.3 | 108 |
| 16 | The influence of atomic layer deposition process temperature on ZnO thin film structure. <i>Applied Surface Science</i> , 2019, 474, 177-186. | 6.1 | 26 |
| 17 | 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 |
| 18 | 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 |

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|----|--|------|-----------|
| 19 | Impact of annealing on features of BCP coating on NiTi shape memory alloy: Preparation and physicochemical characterization. <i>Applied Surface Science</i> , 2018, 437, 28-40. | 6.1 | 18 |
| 20 | Magnetic moments and exchange splitting in Mn3s and Mn2p core levels of magnetocaloric Mn _{1.1} Fe _{0.9} P _{0.6} As _{0.4} and Mn _{1.1} Fe _{0.9} P _{0.5} As _{0.4} Si _{0.1} compounds. <i>Physica B: Condensed Matter</i> , 2018, 549, 127-132. | 2.7 | 1 |
| 21 | Local surface conductivity of transition metal oxides mapped with true atomic resolution. <i>Nanoscale</i> , 2018, 10, 11498-11505. | 5.6 | 21 |
| 22 | 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 |
| 23 | 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 |
| 24 | Temperature-Driven Changes of Electronic Structure Through the Phase Transition in Magnetocaloric Compound Mn _{1.1} Fe _{0.9} P _{0.55} As _{0.45} . <i>IEEE Transactions on Magnetics</i> , 2017, 53, 1-4. | 2.1 | 1 |
| 25 | Photofunctionalization of dental zirconia oxide: Surface modification to improve bio-integration preserving crystal stability. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 156, 194-202. | 5.0 | 37 |
| 26 | Surfaceâ€”bulk interrelation in a PbZrO ₃ single crystal. <i>Journal of Materials Chemistry C</i> , 2017, 5, 10456-10461. | 5.5 | 6 |
| 27 | 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 |
| 28 | Photofunctionalization of Titanium: An Alternative Explanation of Its Chemical-Physical Mechanism. <i>PLoS ONE</i> , 2016, 11, e0157481. | 2.5 | 37 |
| 29 | Influence of unique structure of glassy carbon on morphology and properties of its epoxy-based binary composites and hybrid composites with carbon nanotubes. <i>Composites Science and Technology</i> , 2016, 134, 72-80. | 7.8 | 19 |
| 30 | 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 |
| 31 | Structure and properties of Al ₂ O ₃ thin films deposited by ALD process. <i>Vacuum</i> , 2016, 131, 319-326. | 3.5 | 50 |
| 32 | Characteristics of the AlTiCrN+DLC coating deposited with a cathodic arc and the PACVD process. <i>Materiali in Tehnologije</i> , 2016, 50, 175-181. | 0.5 | 5 |
| 33 | Xâ€”ray absorption and resonant photoemission studies of electroforming process in Feâ€”doped SrTiO ₃ epitaxial films. <i>X-Ray Spectrometry</i> , 2015, 44, 339-343. | 1.4 | 2 |
| 34 | Rondorfite-type structureâ€”XPS and UVâ€”vis study. <i>Materials Research Bulletin</i> , 2015, 70, 920-927. | 5.2 | 2 |
| 35 | Multifunctional layers formation on the surface of NiTi SMA during Î²-tricalcium phosphate deposition. <i>Materials Letters</i> , 2015, 157, 295-298. | 2.6 | 13 |
| 36 | Relevance of the Poly(ethylene glycol) Linkers in Peptide Surfaces for Proteases Assays. <i>Langmuir</i> , 2014, 30, 5015-5025. | 3.5 | 12 |

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|----|--|-----|-----------|
| 37 | Mullitization process of andalusite concentrates – Role of natural inclusions. <i>Ceramics International</i> , 2014, 40, 5129-5136. | 4.8 | 17 |
| 38 | Characteristics of CrAlSiN+DLC coating deposited by lateral rotating cathode arc PVD and PACVD process. <i>Applied Surface Science</i> , 2014, 312, 126-133. | 6.1 | 20 |
| 39 | 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 |
| 40 | Detection of Fe ²⁺ valence states in Fe doped SrTiO ₃ epitaxial thin films grown by pulsed laser deposition. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 8311. | 2.8 | 32 |
| 41 | Synthesis and characterisation of PEG-peptide surfaces for proteolytic enzyme detection. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 9049-9059. | 3.7 | 10 |
| 42 | Fe valence determination in doped SrTiO ₃ epitaxial films. , 2012, , . | | 0 |
| 43 | Metal-insulator transition induced by non-stoichiometry of surface layer and molecular reactions on single crystal KTaO ₃ . <i>Surface Science</i> , 2012, 606, 1252-1262. | 1.9 | 14 |
| 44 | Electronic structure of epitaxial Fe-doped SrTiO ₃ thin films. <i>Phase Transitions</i> , 2011, 84, 489-500. | 1.3 | 14 |
| 45 | 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. <i>Phase Transitions</i> , 2009, 82, 662-682. | 1.3 | 28 |
| 46 | 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 |
| 47 | Electronic structure of NaNbO ₃ –Mn single crystals. <i>Journal of Alloys and Compounds</i> , 2001, 328, 156-161. | 5.5 | 47 |
| 48 | Structure of NaNbO ₃ : xMn Single Crystals at Room Temperature. <i>Crystal Research and Technology</i> , 2001, 36, 893-902. | 1.3 | 20 |