

Bogusław Budner

List of Publications by Year in descending order

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papers

807
citations

567281

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580821

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all docs

46
docs citations

46
times ranked

1246
citing authors

#	ARTICLE	IF	CITATIONS
1	Fabrication of high quality anodic aluminum oxide (AAO) on low purity aluminum – A comparative study with the AAO produced on high purity aluminum. <i>Electrochimica Acta</i> , 2013, 105, 424-432.	5.2	109
2	<i>In vivo</i> implantation of porous titanium alloy implants coated with magnesium-doped octacalcium phosphate and hydroxyapatite thin films using pulsed laser deposition. , 2015, 103, 151-158.		73
3	Structural studies of magnesium doped hydroxyapatite coatings after osteoblast culture. <i>Journal of Molecular Structure</i> , 2010, 977, 145-152.	3.6	62
4	Laser induced surface modification of polylactide. <i>Journal of Materials Processing Technology</i> , 2012, 212, 1700-1704.	6.3	50
5	Evaluation of selected SERS substrates for trace detection of explosive materials using portable Raman systems. <i>Vibrational Spectroscopy</i> , 2019, 100, 79-85.	2.2	43
6	Hierarchical, nanoporous graphenic carbon materials through an instant, self-sustaining magnesiothermic reduction. <i>Carbon</i> , 2016, 96, 937-946.	10.3	37
7	Extreme ultraviolet (EUV) surface modification of polytetrafluoroethylene (PTFE) for control of biocompatibility. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2015, 364, 98-107.	1.4	32
8	Heterogeneous iron-containing carbon gels as catalysts for oxygen electroreduction: Multifunctional role of sulfur in the formation of efficient systems. <i>Carbon</i> , 2017, 116, 655-669.	10.3	31
9	Ultra-low-loading pulsed-laser-deposited platinum catalyst films for polymer electrolyte membrane fuel cells. <i>Journal of Power Sources</i> , 2015, 273, 885-893.	7.8	26
10	Enhancement of PGM-free oxygen reduction electrocatalyst performance for conventional and enzymatic fuel cells: The influence of an external magnetic field. <i>Applied Catalysis B: Environmental</i> , 2019, 258, 117955.	20.2	25
11	Effect of citrate substitution by various \pm -hydroxycarboxylate anions on properties of gold nanoparticles synthesized by Turkevich method. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 549, 25-33.	4.7	22
12	Flax fibres reinforced polylactide modified by ionizing radiation. <i>Industrial Crops and Products</i> , 2018, 112, 716-723.	5.2	21
13	In-situ electrochemical doping of nanoporous anodic aluminum oxide with indigo carmine organic dye. <i>Thin Solid Films</i> , 2016, 598, 60-64.	1.8	18
14	Fe -N-C catalysts for oxygen electroreduction under external magnetic fields: Reduction of magnetic O ₂ to nonmagnetic H ₂ O. <i>Journal of Energy Chemistry</i> , 2022, 64, 296-308.	12.9	17
15	Extreme Ultraviolet Surface Modification of Polyethylene Terephthalate (PET) for Surface Structuring and Wettability Control. <i>Acta Physica Polonica A</i> , 2016, 129, 241-243.	0.5	17
16	Tailoring UV emission from a regular array of ZnO nanotubes by the geometrical parameters of the array and Al ₂ O ₃ coating. <i>Ceramics International</i> , 2017, 43, 5693-5701.	4.8	15
17	Plant extracts as natural additives for environmentally friendly polylactide films. <i>Food Packaging and Shelf Life</i> , 2020, 26, 100593.	7.5	15
18	Effect of Extreme Ultraviolet (EUV) Radiation and EUV Induced, N ₂ and O ₂ Based Plasmas on a PEEK Surface – Physico-Chemical Properties and MG63 Cell Adhesion. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8455.	4.1	14

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19	Laser modification of polylactide surface layer prior autocatalytic metallization. <i>Surface and Coatings Technology</i> , 2016, 304, 68-75.	4.8	13
20	Morphological, structural and optical characterization of SnO ₂ nanotube arrays fabricated using anodic alumina (AAO) template-assisted atomic layer deposition. <i>Materials Characterization</i> , 2018, 136, 52-59.	4.4	13
21	Fabrication of silver nanoisland films by pulsed laser deposition for surface-enhanced Raman spectroscopy. <i>Beilstein Journal of Nanotechnology</i> , 2019, 10, 882-893.	2.8	13
22	Physico-Chemical Surface Modifications of Polyetheretherketone (PEEK) Using Extreme Ultraviolet (EUV) Radiation and EUV-Induced Nitrogen Plasma. <i>Materials</i> , 2020, 13, 4466.	2.9	13
23	Comparative study of hydroxyapatite and octacalcium phosphate coatings deposited on metallic implants by PLD method. <i>Applied Physics A: Materials Science and Processing</i> , 2010, 101, 713-716.	2.3	12
24	Laser-induced surface activation and electroless metallization of polyurethane coating containing copper(II) L-tyrosine. <i>Applied Surface Science</i> , 2020, 505, 144429.	6.1	12
25	Selected properties of polylactide containing natural antiaging compounds. <i>Polymers for Advanced Technologies</i> , 2018, 29, 2963-2971.	3.2	10
26	Origin of microporosity in chalcogen-doped carbon materials: The case of selenium-doped carbogels. <i>Microporous and Mesoporous Materials</i> , 2018, 272, 260-264.	4.4	9
27	Oxidative and adsorptive removal of chlorophenols over Fe-, N- and S-multi-doped carbon xerogels. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105568.	6.7	9
28	Multi-band emission in a wide wavelength range from tin oxide/Au nanocomposites grown on porous anodic alumina substrate (AAO). <i>Applied Surface Science</i> , 2013, 287, 143-149.	6.1	8
29	Quantitative investigation using X-ray photoelectron spectroscopy of oxidation of platinum catalyst films deposited by sputtering and spraying for fuel cell applications. <i>Thin Solid Films</i> , 2019, 683, 27-33.	1.8	8
30	The Multi-Gas Sensor for Remote UAV and UGV Missionsâ€”Development and Tests. <i>Sensors</i> , 2021, 21, 7608.	3.8	8
31	Application of thermogravimetry in the assessment of coatings ability to be metallized. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017, 127, 381-387.	3.6	7
32	Revisiting semicontinuous silver films as surface-enhanced Raman spectroscopy substrates. <i>Beilstein Journal of Nanotechnology</i> , 2019, 10, 1048-1055.	2.8	7
33	Fabrication of Ag-modified hollow titania spheres via controlled silver diffusion in Ag@TiO ₂ core-shell nanostructures. <i>Beilstein Journal of Nanotechnology</i> , 2020, 11, 141-146.	2.8	7
34	Selected properties of polycaprolactone containing natural antiaging compounds. <i>Advances in Polymer Technology</i> , 2018, 37, 3499-3510.	1.7	6
35	Graphitic encapsulation of MgO and Fe ₃ C nanoparticles in the reaction of iron pentacarbonyl with magnesium. <i>Materials Characterization</i> , 2013, 81, 97-104.	4.4	5
36	Effect of photoionized plasma and EUV induced surface modification on physico-chemical properties and cytocompatibility of PLLA. <i>EXPRESS Polymer Letters</i> , 2020, 14, 1063-1077.	2.1	5

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37	Effect of Various Electrolyte Modifiers on Anodic Alumina (AAO) Growth and Morphology. Current Nanoscience, 2018, 15, 76-83.	1.2	5
38	Surface roughness control by extreme ultraviolet (EUV) radiation. AIP Conference Proceedings, 2017, , .	0.4	4
39	Investigation of organic monoradicals reactivity using surface-enhanced Raman spectroscopy. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 278, 121312.	3.9	3
40	Laser Activated and Electroless Metalized Polyurethane Coatings Containing Copper(II) L-Tyrosine and Glass Microspheres. Molecules, 2021, 26, 5571.	3.8	2
41	Raman and SERS spectroscopies in the detection of hazardous materials. , 2018, , .		1
42	Improved anti-reflective properties of amorphous silicon films deposited on Al nanoconcave arrays. Materials Letters, 2014, 135, 199-201.	2.6	0
43	The Effect of Deposition Parameters on the Structural and Mechanical Properties of BN Coatings Deposited onto High-Speed Steel by the PLD Method. Solid State Phenomena, 2015, 220-221, 737-742.	0.3	0
44	Chemical surface modification of polyethylene terephthalate (PET) films using extreme ultraviolet. AIP Conference Proceedings, 2019, , .	0.4	0
45	Raman and photoluminescence investigation of InAs/GaSb and InAs/InAsSb superlattices. , 2017, , .		0
46	InAs/GaSb superlattice quality investigation. , 2017, , .		0