

Bogusław Budner

List of Publications by Year in descending order

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46
papers

807
citations

567281

15
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580821

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docs citations

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times ranked

1246
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Investigation of organic monoradicals reactivity using surface-enhanced Raman spectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 278, 121312.	3.9	3
3	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
4	Effect of Extreme Ultraviolet (EUV) Radiation and EUV Induced, N ₂ and O ₂ Based Plasmas on a PEEK Surface's Physico-Chemical Properties and MG63 Cell Adhesion. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8455.	4.1	14
5	Laser Activated and Electroless Metalized Polyurethane Coatings Containing Copper(II) L-Tyrosine and Glass Microspheres. <i>Molecules</i> , 2021, 26, 5571.	3.8	2
6	The Multi-Gas Sensor for Remote UAV and UGV Missions—Development and Tests. <i>Sensors</i> , 2021, 21, 7608.	3.8	8
7	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
8	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
9	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
10	Plant extracts as natural additives for environmentally friendly polylactide films. <i>Food Packaging and Shelf Life</i> , 2020, 26, 100593.	7.5	15
11	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
12	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
13	Chemical surface modification of polyethylene terephthalate (PET) films using extreme ultraviolet. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	0
14	Revisiting semicontinuous silver films as surface-enhanced Raman spectroscopy substrates. <i>Beilstein Journal of Nanotechnology</i> , 2019, 10, 1048-1055.	2.8	7
15	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
16	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
17	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
18	Effect of citrate substitution by various α -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

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19	Flax fibres reinforced polylactide modified by ionizing radiation. <i>Industrial Crops and Products</i> , 2018, 112, 716-723.	5.2	21
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	Selected properties of polycaprolactone containing natural anti-aging compounds. <i>Advances in Polymer Technology</i> , 2018, 37, 3499-3510.	1.7	6
22	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
23	Raman and SERS spectroscopies in the detection of hazardous materials. , 2018, , .		1
24	Selected properties of polylactide containing natural antiaging compounds. <i>Polymers for Advanced Technologies</i> , 2018, 29, 2963-2971.	3.2	10
25	Effect of Various Electrolyte Modifiers on Anodic Alumina (AAO) Growth and Morphology. <i>Current Nanoscience</i> , 2018, 15, 76-83.	1.2	5
26	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
27	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
28	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
29	Surface roughness control by extreme ultraviolet (EUV) radiation. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	4
30	Raman and photoluminescence investigation of InAs/GaSb and InAs/InAsSb superlattices. , 2017, , .		0
31	InAs/GaSb superlattice quality investigation. , 2017, , .		0
32	Laser modification of polylactide surface layer prior autocatalytic metallization. <i>Surface and Coatings Technology</i> , 2016, 304, 68-75.	4.8	13
33	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
34	Hierarchical, nanoporous graphenic carbon materials through an instant, self-sustaining magnesiothermic reduction. <i>Carbon</i> , 2016, 96, 937-946.	10.3	37
35	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
36	The Effect of Deposition Parameters on the Structural and Mechanical Properties of BN Coatings Deposited onto High-Speed Steel by the PLD Method. <i>Solid State Phenomena</i> , 2015, 220-221, 737-742.	0.3	0

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37	Extreme ultraviolet (EUV) surface modification of polytetrafluoroethylene (PTFE) for control of biocompatibility. Nuclear Instruments & Methods in Physics Research B, 2015, 364, 98-107.	1.4	32
38	<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
39	Ultra-low-loading pulsed-laser-deposited platinum catalyst films for polymer electrolyte membrane fuel cells. Journal of Power Sources, 2015, 273, 885-893.	7.8	26
40	Improved anti-reflective properties of amorphous silicon films deposited on Al nanoconcave arrays. Materials Letters, 2014, 135, 199-201.	2.6	0
41	Fabrication of high quality anodic aluminum oxide (AAO) on low purity aluminum – A comparative study with the AAO produced on high purity aluminum. Electrochimica Acta, 2013, 105, 424-432.	5.2	109
42	Graphitic encapsulation of MgO and Fe ₃ C nanoparticles in the reaction of iron pentacarbonyl with magnesium. Materials Characterization, 2013, 81, 97-104.	4.4	5
43	Multi-band emission in a wide wavelength range from tin oxide/Au nanocomposites grown on porous anodic alumina substrate (AAO). Applied Surface Science, 2013, 287, 143-149.	6.1	8
44	Laser induced surface modification of polylactide. Journal of Materials Processing Technology, 2012, 212, 1700-1704.	6.3	50
45	Comparative study of hydroxyapatite and octacalcium phosphate coatings deposited on metallic implants by PLD method. Applied Physics A: Materials Science and Processing, 2010, 101, 713-716.	2.3	12
46	Structural studies of magnesium doped hydroxyapatite coatings after osteoblast culture. Journal of Molecular Structure, 2010, 977, 145-152.	3.6	62