

Marek Nowicki

List of Publications by Year in descending order

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66
papers

915
citations

516710
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501196
28
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66
all docs

66
docs citations

66
times ranked

1323
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanoscale mechanical properties of polymers irradiated by UV. <i>Polymer</i> , 2003, 44, 6599-6606.	3.8	101
2	Fabrication of superhydrophobic cotton fabrics by a simple chemical modification. <i>Cellulose</i> , 2016, 23, 2185-2197.	4.9	74
3	Carbon nanotubes/kraft lignin composite: Characterization and charge storage properties. <i>Materials Research Bulletin</i> , 2013, 48, 4032-4038.	5.2	62
4	Crosslinked blends of poly(lactic acid) and polyacrylates: AFM, DSC and XRD studies. <i>Journal of Polymer Research</i> , 2013, 20, 1.	2.4	57
5	Polydopamine grafted on an advanced Fe ₃ O ₄ /lignin hybrid material and its evaluation in biosensing. <i>Applied Surface Science</i> , 2018, 455, 455-464.	6.1	49
6	Characterization of Polymer Inclusion Membranes (PIMs) Containing Phosphonium Ionic Liquids as Zn(II) Carriers. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 5070-5082.	3.7	37
7	Lipase B from <i>Candida antarctica</i> Immobilized on a Silica-Lignin Matrix as a Stable and Reusable Biocatalytic System. <i>Catalysts</i> , 2017, 7, 14.	3.5	36
8	A new class of stereoregular vinylene-arylene copolymers with double-decker silsesquioxane in the main chain. <i>Journal of Polymer Science Part A</i> , 2016, 54, 1044-1055.	2.3	35
9	Reducing friction and engine vibrations with trace amounts of carbon nanotubes in the lubricating oil. <i>Tribology International</i> , 2020, 151, 106484.	5.9	32
10	Effect of the structure of polymer inclusion membranes on zn(II) transport from chloride aqueous solutions. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	2.6	31
11	Antiferromagnetic magnetostatic coupling in Co/Au/Co films with perpendicular anisotropy. <i>Journal of Applied Physics</i> , 2013, 114, .	2.5	26
12	Effect of the type of fluorofunctional organosilicon compounds and the method of their application onto the surface on its hydrophobic properties. <i>RSC Advances</i> , 2014, 4, 52668-52675.	3.6	26
13	The effect of silver salts and lignosulfonates in the synthesis of lignosulfonate-stabilized silver nanoparticles. <i>Journal of Molecular Liquids</i> , 2017, 240, 80-86.	4.9	24
14	Characterization of polymer inclusion membranes (PIM) containing phosphonium ionic liquids and their application for separation of Zn(II) from Fe(III). <i>Journal of Chemical Technology and Biotechnology</i> , 2018, 93, 1767-1777.	3.2	21
15	A Nanoindentation Study of Photo-Induced Changes in Polymers Containing Azobenzene. <i>Molecular Crystals and Liquid Crystals</i> , 2008, 483, 49-61.	0.9	19
16	Multi-cycling nanoindentation in MgO single crystals before and after ion irradiation. <i>Journal Physics D: Applied Physics</i> , 2006, 39, 3342-3349.	2.8	17
17	Processing and morphology of molecularly imprinted nylon thin films. <i>Journal of Applied Polymer Science</i> , 2006, 101, 2919-2926.	2.6	16
18	CMOS- compatible fabrication method of graphene-based micro devices. <i>Materials Science in Semiconductor Processing</i> , 2017, 67, 92-97.	4.0	16

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19	Synthesis and Properties of Epoxy Resin Modified with Novel Reactive Liquid Rubber-Based Systems. Industrial & Engineering Chemistry Research, 2021, 60, 2178-2186.	3.7	16
20	Nanomechanical measurements on glutamine molecularly imprinted nylon films. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2006, 284-285, 401-408.	4.7	14
21	Chemical etching of stainless steel 301 for improving performance of electrochemical capacitors in aqueous electrolyte. Journal of Power Sources, 2015, 279, 555-562.	7.8	14
22	High pressure impact on changes in potato starch granules. Polish Journal of Chemical Technology, 2015, 17, 65-73.	0.5	12
23	Microcapsules containing task-specific ionic liquids for Zn(II) and Cu(II) recovery from dilute aqueous solutions. Separation and Purification Technology, 2020, 250, 117155.	7.9	11
24	A green approach for hybrid material preparation based on carbon nanotubes/lignosulfonate decorated with silver nanostructures for electrocatalytic sensing of H ₂ O ₂ . Journal of Electroanalytical Chemistry, 2021, 880, 114896.	3.8	10
25	Synergistic Effect of Modified Natural Fibres with Halogen-Free Fire Retardants in Reducing Flammability of Composites. Journal of Biobased Materials and Bioenergy, 2015, 9, 115-127.	0.3	9
26	Atomic force microscopy investigation of nanometer-scale modifications of polymer morphology caused by ultraviolet irradiation. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2000, 18, 2477.	2.1	8
27	Dielectric behaviour and conformational disorder in polymer relaxors. Ferroelectrics, 2001, 261, 139-148.	0.6	8
28	Nanoindentation of heterogeneous carbonaceous films containing Ni nano-crystals. Micron, 2009, 40, 94-98.	2.2	8
29	Mechanisms of Fluorine-Induced Separation of Mass Interference during TOF-SIMS Analysis. Analytical Chemistry, 2021, 93, 10261-10271.	6.5	8
30	Effect of Heat Treatment on Phase Behaviour and Molecular Dynamics of Mineral-Filled PPS. Molecular Crystals and Liquid Crystals, 2000, 354, 43-48.	0.3	7
31	Textural properties of InSb thin films. Journal of Crystal Growth, 2004, 265, 83-93.	1.5	7
32	Molecular fluorescence from H ₂ TBP porphyrin film on Ag substrate excited by tunneling electrons. Ultramicroscopy, 2006, 106, 785-788.	1.9	7
33	Cellulose acetate butyrate nanocomposites synthesized via sol-gel method. Polimery, 2013, 58, 543-549.	0.7	7
34	Efficient near-infrared quantum cutting by cooperative energy transfer in Bi ₃ TeBO ₉ :Nd ³⁺ phosphors. Journal of Materials Science, 2022, 57, 185-203.	3.7	7
35	Phosphorus-Containing Silsesquioxane Derivatives as Additive or Reactive Components of Epoxy Resins. Materials, 2020, 13, 5373.	2.9	6
36	Synthesis and properties of hybrid materials obtained via additive cross-linking of liquid polybutadiene rubber with H-Si containing reagents. Polymer Testing, 2020, 87, 106516.	4.8	6

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37	Machine Learning Approach for Application-Tailored Nanolubricants™ Design. <i>Nanomaterials</i> , 2022, 12, 1765.	4.1	6
38	Topographical and morphological studies of the superficial structure changes during the growth of heterogeneous carbonaceous films with Ni nano-crystals inclusion. <i>Vacuum</i> , 2004, 74, 311-315.	3.5	5
39	Synthesis and Characterization of Modified Cellulose Acetate Propionate Nanocomposites via Sol-Gel Process. <i>Journal of Spectroscopy</i> , 2013, 2013, 1-8.	1.3	5
40	Reduction-adsorption of chromium(VI) by using IL-imprinted resin -innovative solution for water purification. <i>Journal of Molecular Liquids</i> , 2021, 343, 116977.	4.9	5
41	Antimicrobial activity of organic–inorganic hybrid films based on gelatin and organomodified silicones. <i>Advances in Polymer Technology</i> , 2018, 37, 2958-2970.	1.7	4
42	Novel Mesoporous Organosilicas with Task Ionic Liquids: Properties and High Adsorption Performance for Pb(II). <i>Molecules</i> , 2022, 27, 1405.	3.8	4
43	The Friction of Structurally Modified Isotactic Polypropylene. <i>Materials</i> , 2021, 14, 7462.	2.9	4
44	Graphene oxide-multiwalled carbon nanotubes composite as an anode for lithium ion batteries. <i>Materials Science-Poland</i> , 2016, 34, 481-486.	1.0	3
45	Novel Polymer Sorbents with Imprinted Task-Specific Ionic Liquids for Metal Removal. <i>Materials</i> , 2021, 14, 5008.	2.9	3
46	Natural Oxidation of thin Fe Films on V Buffer Layer. <i>Acta Physica Polonica A</i> , 2017, 132, 1272-1276.	0.5	3
47	Polymer studies using atomic force microscopy (AFM). Part II. Investigation of chemical reactions and physical processes in polymers. <i>Polimery</i> , 2003, 48, 91-99.	0.7	3
48	Research paper Application of epoxy functional silanes in the preparation of DNA microarrays. <i>Biotechnologia</i> , 2014, 1, 5-16.	0.9	3
49	Trabecular bone remodelling in the femur of C57BL/6J mice treated with diclofenac in combination with treadmill exercise. <i>Acta of Bioengineering and Biomechanics</i> , 2021, 23, .	0.4	3
50	Poly(vinylbenzyl Pyridinium Salts) as Novel Sorbents for Hazardous Metals Ions Removal. <i>Molecules</i> , 2022, 27, 1723.	3.8	3
51	Siloxane resins as hydrophobic self-cleaning layers for silicon and dye-sensitized solar cells: material and application aspects. <i>RSC Advances</i> , 2022, 12, 19154-19170.	3.6	3
52	The Texture of Stretched and Unstretched Polymer Films with and Without Embedded Biological Materials. <i>Spectroscopy Letters</i> , 1999, 32, 629-637.	1.0	2
53	Paths of Bacteriochlorophyll c Deexcitation in Green Photosynthetic Bacteria and in a Model System. <i>Journal of Fluorescence</i> , 1999, 9, 139-143.	2.5	2
54	Nanomechanical Analysis of Nucleation Modified Isotactic Polypropylene. <i>Macromolecular Symposia</i> , 2018, 378, 1600175.	0.7	2

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55	Polymer studies using atomic force microscopy (AFM). Part I. Principles of AFM and its application in polymer morphology investigations. <i>Polimery</i> , 2002, 47, 775-783.	0.7	2
56	Method of carbon-based electrode analysis by conductive atomic force microscopy. <i>Micro and Nano Letters</i> , 2014, 9, 69-72.	1.3	1
57	Medium-term response of the natural grassland soil biota to multiwalled carbon nanotube contamination. <i>Science of the Total Environment</i> , 2021, 779, 146392.	8.0	1
58	Nanoindentation as a Tool for Recognition of Composites Components. <i>Acta Physica Polonica A</i> , 2003, 104, 365-372.	0.5	1
59	Nanostructuring and Hardness Investigations of Thin Films by Scanning Force Microscopy. <i>Acta Physica Polonica A</i> , 1998, 93, 437-441.	0.5	1
60	Exchange Coupling Effects in Naturally Oxidised Ultrathin Iron Film. <i>Acta Physica Polonica A</i> , 2018, 133, 601-604.	0.5	1
61	Atomic force microscopy and scanning electron microscopy as alternative methods of early identification of pathogens causing catheter-related bloodstream infections of patients in ICU. <i>Postepy Higieny i Medycyny Doswiadczalnej</i> , 2022, 76, 157-164.	0.1	1
62	Surface analysis of PrBa ₂ Cu ₃ O ₇ single crystals using scanning tunneling spectroscopy and microscopy. <i>Vacuum</i> , 1999, 54, 215-219.	3.5	0
63	Atomic Force Microscopy Investigation of Polystyrene and Polystyrene/PMMA Composites Surfaces. <i>Molecular Crystals and Liquid Crystals</i> , 2000, 354, 167-172.	0.3	0
64	Exchange Coupling Effects in Naturally Oxidised Ultrathin Iron Film. <i>Acta Physica Polonica A</i> 133, 601 (2018), ERRATUM. <i>Acta Physica Polonica A</i> , 2019, 136, 571-571.	0.5	0
65	Biological activity of carbon nanoparticles produced in combustion process. <i>Silniki Spalinowe</i> , 2019, 179, 269-273.	0.7	0
66	Recovery from bone loss, diminished mineral density and strength in mice after treatment with steroidal and nonsteroidal anti-inflammatory drugs by injection of exosomes enriched with agomir miRNAs. <i>Journal of Medical Science</i> , 2019, 88, 261-266.	0.7	0