

Marek Nowicki

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2540852/publications.pdf>

Version: 2024-02-01

66
papers

915
citations

586496

16
h-index

563245

28
g-index

66
all docs

66
docs citations

66
times ranked

1455
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanoscale mechanical properties of polymers irradiated by UV. <i>Polymer</i> , 2003, 44, 6599-6606.	1.8	101
2	Fabrication of superhydrophobic cotton fabrics by a simple chemical modification. <i>Cellulose</i> , 2016, 23, 2185-2197.	2.4	74
3	Carbon nanotubes/kraft lignin composite: Characterization and charge storage properties. <i>Materials Research Bulletin</i> , 2013, 48, 4032-4038.	2.7	62
4	Crosslinked blends of poly(lactic acid) and polyacrylates: AFM, DSC and XRD studies. <i>Journal of Polymer Research</i> , 2013, 20, 1.	1.2	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.	3.1	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.	1.8	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.	1.6	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.	2.5	35
9	Reducing friction and engine vibrations with trace amounts of carbon nanotubes in the lubricating oil. <i>Tribology International</i> , 2020, 151, 106484.	3.0	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, .	1.3	31
11	Antiferromagnetic magnetostatic coupling in Co/Au/Co films with perpendicular anisotropy. <i>Journal of Applied Physics</i> , 2013, 114, .	1.1	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.	1.7	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.	2.3	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.	1.6	21
15	A Nanoindentation Study of Photo-Induced Changes in Polymers Containing Azobenzene. <i>Molecular Crystals and Liquid Crystals</i> , 2008, 483, 49-61.	0.4	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.	1.3	17
17	Processing and morphology of molecularly imprinted nylon thin films. <i>Journal of Applied Polymer Science</i> , 2006, 101, 2919-2926.	1.3	16
18	CMOS- compatible fabrication method of graphene-based micro devices. <i>Materials Science in Semiconductor Processing</i> , 2017, 67, 92-97.	1.9	16

#	ARTICLE	IF	CITATIONS
19	Synthesis and Properties of Epoxy Resin Modified with Novel Reactive Liquid Rubber-Based Systems. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 2178-2186.	1.8	16
20	Nanomechanical measurements on glutamine molecularly imprinted nylon films. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2006, 284-285, 401-408.	2.3	14
21	Chemical etching of stainless steel 301 for improving performance of electrochemical capacitors in aqueous electrolyte. <i>Journal of Power Sources</i> , 2015, 279, 555-562.	4.0	14
22	High pressure impact on changes in potato starch granules. <i>Polish Journal of Chemical Technology</i> , 2015, 17, 65-73.	0.3	12
23	Microcapsules containing task-specific ionic liquids for Zn(II) and Cu(II) recovery from dilute aqueous solutions. <i>Separation and Purification Technology</i> , 2020, 250, 117155.	3.9	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 . <i>Journal of Electroanalytical Chemistry</i> , 2021, 880, 114896.	1.9	10
25	Synergistic Effect of Modified Natural Fibres with Halogen-Free Fire Retardants in Reducing Flammability of Composites. <i>Journal of Biobased Materials and Bioenergy</i> , 2015, 9, 115-127.	0.1	9
26	Atomic force microscopy investigation of nanometer-scale modifications of polymer morphology caused by ultraviolet irradiation. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2000, 18, 2477.	0.9	8
27	Dielectric behaviour and conformational disorder in polymer relaxors. <i>Ferroelectrics</i> , 2001, 261, 139-148.	0.3	8
28	Nanoindentation of heterogeneous carbonaceous films containing Ni nano-crystals. <i>Micron</i> , 2009, 40, 94-98.	1.1	8
29	Mechanisms of Fluorine-Induced Separation of Mass Interference during TOF-SIMS Analysis. <i>Analytical Chemistry</i> , 2021, 93, 10261-10271.	3.2	8
30	Effect of Heat Treatment on Phase Behaviour and Molecular Dynamics of Mineral-Filled PPS. <i>Molecular Crystals and Liquid Crystals</i> , 2000, 354, 43-48.	0.3	7
31	Textural properties of InSb thin films. <i>Journal of Crystal Growth</i> , 2004, 265, 83-93.	0.7	7
32	Molecular fluorescence from H ₂ TBP porphyrin film on Ag substrate excited by tunneling electrons. <i>Ultramicroscopy</i> , 2006, 106, 785-788.	0.8	7
33	Cellulose acetate butyrate nanocomposites synthesized via sol-gel method. <i>Polimery</i> , 2013, 58, 543-549.	0.4	7
34	Efficient near-infrared quantum cutting by cooperative energy transfer in Bi ₃ TeBO ₉ :Nd ³⁺ phosphors. <i>Journal of Materials Science</i> , 2022, 57, 185-203.	1.7	7
35	Phosphorus-Containing Silsesquioxane Derivatives as Additive or Reactive Components of Epoxy Resins. <i>Materials</i> , 2020, 13, 5373.	1.3	6
36	Synthesis and properties of hybrid materials obtained via additive cross-linking of liquid polybutadiene rubber with H-Si containing reagents. <i>Polymer Testing</i> , 2020, 87, 106516.	2.3	6

#	ARTICLE	IF	CITATIONS
37	Machine Learning Approach for Application-Tailored Nanolubricants™ Design. <i>Nanomaterials</i> , 2022, 12, 1765.	1.9	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.	1.6	5
39	Synthesis and Characterization of Modified Cellulose Acetate Propionate Nanocomposites via Sol-Gel Process. <i>Journal of Spectroscopy</i> , 2013, 2013, 1-8.	0.6	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.	2.3	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.	0.8	4
42	Novel Mesoporous Organosilicas with Task Ionic Liquids: Properties and High Adsorption Performance for Pb(II). <i>Molecules</i> , 2022, 27, 1405.	1.7	4
43	The Friction of Structurally Modified Isotactic Polypropylene. <i>Materials</i> , 2021, 14, 7462.	1.3	4
44	Graphene oxide-multiwalled carbon nanotubes composite as an anode for lithium ion batteries. <i>Materials Science-Poland</i> , 2016, 34, 481-486.	0.4	3
45	Novel Polymer Sorbents with Imprinted Task-Specific Ionic Liquids for Metal Removal. <i>Materials</i> , 2021, 14, 5008.	1.3	3
46	Natural Oxidation of thin Fe Films on V Buffer Layer. <i>Acta Physica Polonica A</i> , 2017, 132, 1272-1276.	0.2	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.	0.4	3
48	Research paper Application of epoxy functional silanes in the preparation of DNA microarrays. <i>Biotechnologia</i> , 2014, 1, 5-16.	0.3	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, .	0.2	3
50	Poly(vinylbenzyl Pyridinium Salts) as Novel Sorbents for Hazardous Metals Ions Removal. <i>Molecules</i> , 2022, 27, 1723.	1.7	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.	1.7	3
52	The Texture of Stretched and Unstretched Polymer Films with and Without Embedded Biological Materials. <i>Spectroscopy Letters</i> , 1999, 32, 629-637.	0.5	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.	1.3	2
54	Nanomechanical Analysis of Nucleation Modified Isotactic Polypropylene. <i>Macromolecular Symposia</i> , 2018, 378, 1600175.	0.4	2

#	ARTICLE	IF	CITATIONS
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.	0.4	2
56	Method of carbon-based electrode analysis by conductive atomic force microscopy. <i>Micro and Nano Letters</i> , 2014, 9, 69-72.	0.6	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.	3.9	1
58	Nanoindentation as a Tool for Recognition of Composites Components. <i>Acta Physica Polonica A</i> , 2003, 104, 365-372.	0.2	1
59	Nanostructuring and Hardness Investigations of Thin Films by Scanning Force Microscopy. <i>Acta Physica Polonica A</i> , 1998, 93, 437-441.	0.2	1
60	Exchange Coupling Effects in Naturally Oxidised Ultrathin Iron Film. <i>Acta Physica Polonica A</i> , 2018, 133, 601-604.	0.2	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 Doswiadczonej</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.	1.6	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.	0.2	0
65	Biological activity of carbon nanoparticles produced in combustion process. <i>Silniki Spalinowe</i> , 2019, 179, 269-273.	0.4	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.	0.2	0