

# Marek Nowicki

## List of Publications by Year in descending order

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66  
papers

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citations

516710  
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501196  
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docs citations

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times ranked

1323  
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient near-infrared quantum cutting by cooperative energy transfer in Bi <sub>3</sub> TeBO <sub>9</sub> :Nd <sup>3+</sup> phosphors. Journal of Materials Science, 2022, 57, 185-203.	3.7	7
2	Novel Mesoporous Organosilicas with Task Ionic Liquids: Properties and High Adsorption Performance for Pb(II). Molecules, 2022, 27, 1405.	3.8	4
3	Poly(vinylbenzyl Pyridinium Salts) as Novel Sorbents for Hazardous Metals Ions Removal. Molecules, 2022, 27, 1723.	3.8	3
4	Atomic force microscopy and scanning electron microscopy as alternative methods of early identification of pathogens causing catheter-related bloodstream infections of patients in ICU. Postępy Higieny i Medycyny Doswiadczalnej, 2022, 76, 157-164.	0.1	1
5	Machine Learning Approach for Application-Tailored Nanolubricants Design. Nanomaterials, 2022, 12, 1765.	4.1	6
6	Siloxane resins as hydrophobic self-cleaning layers for silicon and dye-sensitized solar cells: material and application aspects. RSC Advances, 2022, 12, 19154-19170.	3.6	3
7	A green approach for hybrid material preparation based on carbon nanotubes/lignosulfonate decorated with silver nanostructures for electrocatalytic sensing of H <sub>2</sub> O <sub>2</sub> . Journal of Electroanalytical Chemistry, 2021, 880, 114896.	3.8	10
8	Medium-term response of the natural grassland soil biota to multiwalled carbon nanotube contamination. Science of the Total Environment, 2021, 779, 146392.	8.0	1
9	Reduction-adsorption of chromium(VI) by using IL-imprinted resin -innovative solution for water purification. Journal of Molecular Liquids, 2021, 343, 116977.	4.9	5
10	Mechanisms of Fluorine-Induced Separation of Mass Interference during TOF-SIMS Analysis. Analytical Chemistry, 2021, 93, 10261-10271.	6.5	8
11	Novel Polymer Sorbents with Imprinted Task-Specific Ionic Liquids for Metal Removal. Materials, 2021, 14, 5008.	2.9	3
12	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
13	Trabecular bone remodelling in the femur of C57BL/6J mice treated with diclofenac in combination with treadmill exercise. Acta of Bioengineering and Biomechanics, 2021, 23, .	0.4	3
14	The Friction of Structurally Modified Isotactic Polypropylene. Materials, 2021, 14, 7462.	2.9	4
15	Phosphorus-Containing Silsesquioxane Derivatives as Additive or Reactive Components of Epoxy Resins. Materials, 2020, 13, 5373.	2.9	6
16	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
17	Reducing friction and engine vibrations with trace amounts of carbon nanotubes in the lubricating oil. Tribology International, 2020, 151, 106484.	5.9	32
18	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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19	Exchange Coupling Effects in Naturally Oxidised Ultrathin Iron Film. Acta Physica Polonica A 133, 601 (2018), ERRATUM. Acta Physica Polonica A, 2019, 136, 571-571.	0.5	0
20	Biological activity of carbon nanoparticles produced in combustion process. Silniki Spalinowe, 2019, 179, 269-273.	0.7	0
21	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. Journal of Medical Science, 2019, 88, 261-266.	0.7	0
22	Nanomechanical Analysis of Nucleation Modified Isotactic Polypropylene. Macromolecular Symposia, 2018, 378, 1600175.	0.7	2
23	Antimicrobial activity of organic-inorganic hybrid films based on gelatin and organomodified silicones. Advances in Polymer Technology, 2018, 37, 2958-2970.	1.7	4
24	Characterization of polymer inclusion membranes (PIM) containing phosphonium ionic liquids and their application for separation of Zn(II) from Fe(III). Journal of Chemical Technology and Biotechnology, 2018, 93, 1767-1777.	3.2	21
25	Characterization of Polymer Inclusion Membranes (PIMs) Containing Phosphonium Ionic Liquids as Zn(II) Carriers. Industrial & Engineering Chemistry Research, 2018, 57, 5070-5082.	3.7	37
26	Polydopamine grafted on an advanced Fe <sub>3</sub> O <sub>4</sub> /lignin hybrid material and its evaluation in biosensing. Applied Surface Science, 2018, 455, 455-464.	6.1	49
27	Exchange Coupling Effects in Naturally Oxidised Ultrathin Iron Film. Acta Physica Polonica A, 2018, 133, 601-604.	0.5	1
28	The effect of silver salts and lignosulfonates in the synthesis of lignosulfonate-stabilized silver nanoparticles. Journal of Molecular Liquids, 2017, 240, 80-86.	4.9	24
29	CMOS-compatible fabrication method of graphene-based micro devices. Materials Science in Semiconductor Processing, 2017, 67, 92-97.	4.0	16
30	Lipase B from Candida antarctica Immobilized on a Silica-Lignin Matrix as a Stable and Reusable Biocatalytic System. Catalysts, 2017, 7, 14.	3.5	36
31	Natural Oxidation of thin Fe Films on V Buffer Layer. Acta Physica Polonica A, 2017, 132, 1272-1276.	0.5	3
32	A new class of stereoregular vinylene-arylene copolymers with double-decker silsesquioxane in the main chain. Journal of Polymer Science Part A, 2016, 54, 1044-1055.	2.3	35
33	Fabrication of superhydrophobic cotton fabrics by a simple chemical modification. Cellulose, 2016, 23, 2185-2197.	4.9	74
34	Graphene oxide-multiwalled carbon nanotubes composite as an anode for lithium ion batteries. Materials Science-Poland, 2016, 34, 481-486.	1.0	3
35	Effect of the structure of polymer inclusion membranes on zn(II) transport from chloride aqueous solutions. Journal of Applied Polymer Science, 2015, 132, .	2.6	31
36	High pressure impact on changes in potato starch granules. Polish Journal of Chemical Technology, 2015, 17, 65-73.	0.5	12

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37	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.	7.8	14
38	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.	0.3	9
39	Method of carbon-based electrode analysis by conductive atomic force microscopy. <i>Micro and Nano Letters</i> , 2014, 9, 69-72.	1.3	1
40	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
41	Research paper Application of epoxy functional silanes in the preparation of DNA microarrays. <i>Biotechnologia</i> , 2014, 1, 5-16.	0.9	3
42	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
43	Carbon nanotubes/kraft lignin composite: Characterization and charge storage properties. <i>Materials Research Bulletin</i> , 2013, 48, 4032-4038.	5.2	62
44	Antiferromagnetic magnetostatic coupling in Co/Au/Co films with perpendicular anisotropy. <i>Journal of Applied Physics</i> , 2013, 114, .	2.5	26
45	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
46	Cellulose acetate butyrate nanocomposites synthesized via sol-gel method. <i>Polimery</i> , 2013, 58, 543-549.	0.7	7
47	Nanoindentation of heterogeneous carbonaceous films containing Ni nano-crystals. <i>Micron</i> , 2009, 40, 94-98.	2.2	8
48	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
49	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
50	Nanomechanical measurements on glutamine molecularly imprinted nylon films. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2006, 284-285, 401-408.	4.7	14
51	Molecular fluorescence from H2TBP porphyrin film on Ag substrate excited by tunneling electrons. <i>Ultramicroscopy</i> , 2006, 106, 785-788.	1.9	7
52	Processing and morphology of molecularly imprinted nylon thin films. <i>Journal of Applied Polymer Science</i> , 2006, 101, 2919-2926.	2.6	16
53	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
54	Textural properties of InSb thin films. <i>Journal of Crystal Growth</i> , 2004, 265, 83-93.	1.5	7

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55	Nanoscale mechanical properties of polymers irradiated by UV. <i>Polymer</i> , 2003, 44, 6599-6606.	3.8	101
56	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
57	Nanoindentation as a Tool for Recognition of Composites Components. <i>Acta Physica Polonica A</i> , 2003, 104, 365-372.	0.5	1
58	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
59	Dielectric behaviour and conformational disorder in polymer relaxors. <i>Ferroelectrics</i> , 2001, 261, 139-148.	0.6	8
60	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.	2.1	8
61	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
62	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
63	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
64	Surface analysis of PrBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-<math>\delta</math></sub> single crystals using scanning tunneling spectroscopy and microscopy. <i>Vacuum</i> , 1999, 54, 215-219.	3.5	0
65	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
66	Nanostructuring and Hardness Investigations of Thin Films by Scanning Force Microscopy. <i>Acta Physica Polonica A</i> , 1998, 93, 437-441.	0.5	1