Anna Mrozek-Wilczkiewicz

List of Publications by Year
in descending order

56 papers	1,230 citations	304743 22 h-index	395702 33 g-index
56 all docs	56 docs citations	56 times ranked	1735 citing authors

#	Article	IF	Citations
1	Sugar decorated star-shaped (co)polymers with resveratrol-based core â€“ physicochemical and biological properties. Journal of Materials Science, 2022, 57, 2257-2276.	3.7	4
2	Anticancer potential and through study of the cytotoxicity mechanism of ionic liquids that are based on the trifluoromethanesulfonate and bis(trifluoromethylsulfonyl)imide anions. Journal of Hazardous Materials, 2022, 427, 128160.	12.4	8
3	Synthesis and applications of [60]fullerene nanoconjugate with 5-aminolevulinic acid and its glycoconjugate as drug delivery vehicles. RSC Advances, 2022, 12, 6377-6388.	3.6	6
4	New derivatives of 4â€²-phenyl-2,2â€™:6â€²,2â€³-terpyridine as promising anticancer agents. European Journal of Medicinal Chemistry, 2021, 212, 113032.	5.5	20
5	Advanced SA/PVA-based hydrogel matrices with prolonged release of Aloe vera as promising wound dressings. Materials Science and Engineering C, 2021, 120, 111667.	7.3	60
6	Photofunctionalization effect and biological ageing of PEEK, TiO2 and ZrO2 abutments material. Materials Science and Engineering C, 2021, 121, 111823.	7.3	6
7	Interactions of a Water-Soluble Glycofullerene with Glucose Transporter 1. Analysis of the Cellular Effects on a Pancreatic Tumor Model. Nanomaterials, 2021, 11, 513.	4.1	10
8	Novel Benzenesulfonate Scaffolds with a High Anticancer Activity and G2/M Cell Cycle Arrest. Cancers, 2021, 13, 1790.	3.7	11
9	Cytotoxicity of Ionic Liquids on Normal Human Dermal Fibroblasts in the Context of Their Present and Future Applications. ACS Sustainable Chemistry and Engineering, 2021, 9, 7649-7657.	6.7	26
10	Bio-Based Nanofluids of Extraordinary Stability and Enhanced Thermal Conductivity as Sustainable Green Heat Transfer Media. ACS Sustainable Chemistry and Engineering, 2021, 9, 7369-7378.	6.7	11
11	Effect of the complex-formation ability of thiosemicarbazones containing (aza)benzene or 3-nitro-1,8-naphthalimide unit towards Cu(II) and Fe(III) ions on their anticancer activity. Journal of Photochemistry and Photobiology A: Chemistry, 2021, 415, 113314.	3.9	8
12	Luminescence and Electrochemical Activity of New Unsymmetrical 3-Imino-1,8-naphthalimide Derivatives. Materials, 2021, 14, 5504.	2.9	6
13	1,8-Naphthalimides 3-substituted with imine or Î²-ketoenamine unit evaluated as compounds for organic electronics and cell imaging. Dyes and Pigments, 2021, 193, 109508.	3.7	8
14	The effect of high-pressure on organocatalyzed ROP of Î³-butyrolactone. Polymer, 2021, 233, 124166.	3.8	4
15	Examining the influence of olanzapine on the protein adsorption on the surface of biodegradable poly(hydroxybutyrate-co-hydroxyvalerate) nano/micro-carriers. Applied Surface Science, 2021, 565, 150543.	6.1	0
16	Key Properties of a Bioactive Ag-SiO2/TiO2 Coating on NiTi Shape Memory Alloy as Necessary at the Development of a New Class of Biomedical Materials. International Journal of Molecular Sciences, 2021, 22, 507.	4.1	10
17	The Effect of Glycerin Content in Sodium Alginate/Poly(vinyl alcohol)-Based Hydrogels for Wound Dressing Application. International Journal of Molecular Sciences, 2021, 22, 12022.	4.1	14
18	High pressure as a novel tool for the cationic ROP of Î³-butyrolactone. RSC Advances, 2021, 11, 34806-34819.	3.6	2

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19	Impact of temperature on the physicochemical, structural and biological features of copper-silica nanocomposites. Materials Science and Engineering C, 2020, 107, 110274.	7.3	4
20	Anticancer activity of 4â€²-phenyl-2,2â€²:6â€²,2â€³-terpyridines â€“ behind the metal complexation. European Journal of Medicinal Chemistry, 2020, 189, 112039.	5.5	38
21	Theoretical and Experimental Investigations of Large Stokes Shift Fluorophores Based on a Quinoline Scaffold. Molecules, 2020, 25, 2488.	3.8	28
22	Live cell imaging by 3-imino-(2-phenol)-1,8-naphthalimides: The effect of ex vivo hydrolysis. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 238, 118442.	3.9	12
23	Glycofullerenes as non-receptor tyrosine kinase inhibitors- towards better nanotherapeutics for pancreatic cancer treatment. Scientific Reports, 2020, 10, 260.	3.3	20
24	Acid selective pro-dye for cellular compartments. Scientific Reports, 2019, 9, 15304.	3.3	10
25	Impact of thiosemicarbazones on the accumulation of PpIX and the expression of the associated genes. Journal of Photochemistry and Photobiology B: Biology, 2019, 199, 111585.	3.8	4
26	The synthesis and anticancer activity of 2-styrylquinoline derivatives. A p53 independent mechanism of action. European Journal of Medicinal Chemistry, 2019, 177, 338-349.	5.5	46
27	Physicochemical and structural features of heat treated silver-silica nanocomposite and their impact on biological properties. Materials Science and Engineering C, 2019, 103, 109790.	7.3	9
28	Influence of the substituent D/A at the 1,2,3-triazole ring on novel terpyridine derivatives: synthesis and properties. RSC Advances, 2019, 9, 16554-16564.	3.6	14
29	Design and synthesis of anticancer 1-hydroxynaphthalene-2-carboxanilides with a p53 independent mechanism of action. Scientific Reports, 2019, 9, 6387.	3.3	32
30	Phenothiazine derivatives - synthesis, characterization, and theoretical studies with an emphasis on the solvatochromic properties. Journal of Molecular Liquids, 2019, 285, 515-525.	4.9	31
31	Anticancer activity of the thiosemicarbazones that are based on di-2-pyridine ketone and quinoline moiety. European Journal of Medicinal Chemistry, 2019, 171, 180-194.	5.5	61
32	Toward the Development of an Innovative Implant: NiTi Alloy Functionalized by Multifunctional Î²-TCP+Ag/SiO₂ Coatings. ACS Applied Bio Materials, 2019, 2, 987-998.	4.6	8
33	Synthesis of 8-hydroxyquinoline glycoconjugates and preliminary assay of their Î²1,4-GalT inhibitory and anti-cancer properties. Bioorganic Chemistry, 2019, 84, 326-338.	4.1	37
34	Nearâ€infrared photoimmunotherapy targeting EGFRâ€"Shedding new light on glioblastoma treatment. International Journal of Cancer, 2018, 142, 2363-2374.	5.1	47
35	Trisubstituted Imidazolium-Based Ionic Liquids as Innovative Heat Transfer Media in Sustainable Energy Systems. ACS Sustainable Chemistry and Engineering, 2018, 6, 7960-7968.	6.7	18
36	The role of oxidative stress in activity of anticancer thiosemicarbazones. Oncotarget, 2018, 9, 17689-17710.	1.8	45

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37	Investigation of antibacterial and cytotoxic potential of phenolics derived fromCistus incanusL. by means of thin-layer chromatography-direct bioautography and cytotoxicity assay. Journal of Liquid Chromatography and Related Technologies, 2018, 41, 349-357.	1.0	4
38	4â€²â€²Phenylâ€2,2â€²:6â€²,2â€²â€²â€terpyridine Derivatives Containing 1â€Substitutedâ€2,3â€Triazole Ring: Synthesis, Characterization and Anticancer Activity. ChemistrySelect, 2018, 3, 7009-7017.	1.5	16
39	Piperazinyl fragment improves anticancer activity of Triapine. PLoS ONE, 2018, 13, e0188767.	2.5	21
40	Comparative Study of the High Pressure Thermophysical Properties of 1-Ethyl-3-methylimidazolium and 1,3-Diethylimidazolium Ethyl Sulfates for Use as Sustainable and Efficient Hydraulic Fluids. ACS Sustainable Chemistry and Engineering, 2018, 6, 10934-10943.	6.7	7
41	Comprehensive exploration of the optical and biological properties of new quinoline based cellular probes. Dyes and Pigments, 2017, 144, 119-132.	3.7	23
42	Unique properties of silver and copper silica-based nanocomposites as antimicrobial agents. RSC Advances, 2017, 7, 28092-28104.	3.6	40
43	Pyrrolidinium-Based Ionic Liquids as Sustainable Media in Heat-Transfer Processes. ACS Sustainable Chemistry and Engineering, 2017, 5, 11024-11033.	6.7	44
44	Iron Chelators and Exogenic Photosensitizers. Synergy through Oxidative Stress Gene Expression. Journal of Cancer, 2017, 8, 1979-1987.	2.5	15
45	Thiazole-based nitrogen mustards: Design, synthesis, spectroscopic studies, DFT calculation, molecular docking, and antiproliferative activity against selected human cancer cell lines. Journal of Molecular Structure, 2016, 1119, 139-150.	3.6	21
46	Small molecule glycoconjugates with anticancer activity. European Journal of Medicinal Chemistry, 2016, 112, 130-144.	5.5	30
47	A Comparison of Antioxidant, Antibacterial, and Anticancer Activity of the Selected Thyme Species by Means of Hierarchical Clustering and Principal Component Analysis. Acta Chromatographica, 2016, 28, 207-221.	1.3	3
48	Synthesis of New Styrylquinoline Cellular Dyes, Fluorescent Properties, Cellular Localization and Cytotoxic Behavior. PLoS ONE, 2015, 10, e0131210.	2.5	20
49	Design, Synthesis and In Vitro Activity of Anticancer Styrylquinolines. The p53 Independent Mechanism of Action. PLoS ONE, 2015, 10, e0142678.	2.5	44
50	Iron Chelators in Photodynamic Therapy Revisited: Synergistic Effect by Novel Highly Active Thiosemicarbazones. ACS Medicinal Chemistry Letters, 2014, 5, 336-339.	2.8	30
51	Exploring the Anti-Cancer Activity of Novel Thiosemicarbazones Generated through the Combination of Retro-Fragments: Dissection of Critical Structure-Activity Relationships. PLoS ONE, 2014, 9, e110291.	2.5	61
52	Synergy Against Fungal Pathogens: Working Together is Better Than Working Alone. Current Medicinal Chemistry, 2014, 21, 870-893.	2.4	25
53	Microwave assisted synthesis, X-ray crystallography and DFT calculations of selected aromatic thiosemicarbazones. Journal of Molecular Structure, 2013, 1037, 63-72.	3.6	16
54	Synthesis and characterization of quinoline-based thiosemicarbazones and correlation of cellular iron-binding efficacy to anti-tumor efficacy. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 5527-5531.	2.2	61

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55	Investigation of the Biological Properties of (Hetero)Aromatic Thiosemicarbazones. Molecules, 2012, 17, 13483-13502.	3.8	27
56	Investigating the anti-proliferative activity of styrylazanaphthalenes and azanaphthalenediones. Bioorganic and Medicinal Chemistry, 2010, 18, 2664-2671.	3.0	44