

# Anna Mrozek-Wilczkiewicz

## List of Publications by Year in descending order

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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	Synthesis and characterization of quinoline-based thiosemicarbazones and correlation of cellular iron-binding efficacy to anti-tumor efficacy. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 5527-5531.	2.2	61
2	Anticancer activity of the thiosemicarbazones that are based on di-2-pyridine ketone and quinoline moiety. <i>European Journal of Medicinal Chemistry</i> , 2019, 171, 180-194.	5.5	61
3	Exploring the Anti-Cancer Activity of Novel Thiosemicarbazones Generated through the Combination of Retro-Fragments: Dissection of Critical Structure-Activity Relationships. <i>PLoS ONE</i> , 2014, 9, e110291.	2.5	61
4	Advanced SA/PVA-based hydrogel matrices with prolonged release of Aloe vera as promising wound dressings. <i>Materials Science and Engineering C</i> , 2021, 120, 111667.	7.3	60
5	Near-infrared photoimmunotherapy targeting EGFR Shedding new light on glioblastoma treatment. <i>International Journal of Cancer</i> , 2018, 142, 2363-2374.	5.1	47
6	The synthesis and anticancer activity of 2-styrylquinoline derivatives. A p53 independent mechanism of action. <i>European Journal of Medicinal Chemistry</i> , 2019, 177, 338-349.	5.5	46
7	The role of oxidative stress in activity of anticancer thiosemicarbazones. <i>Oncotarget</i> , 2018, 9, 17689-17710.	1.8	45
8	Investigating the anti-proliferative activity of styrylzanaphthalenes and azanaphthalenediones. <i>Bioorganic and Medicinal Chemistry</i> , 2010, 18, 2664-2671.	3.0	44
9	Pyrrrolidinium-Based Ionic Liquids as Sustainable Media in Heat-Transfer Processes. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 11024-11033.	6.7	44
10	Design, Synthesis and In Vitro Activity of Anticancer Styrylquinolines. The p53 Independent Mechanism of Action. <i>PLoS ONE</i> , 2015, 10, e0142678.	2.5	44
11	Unique properties of silver and copper silica-based nanocomposites as antimicrobial agents. <i>RSC Advances</i> , 2017, 7, 28092-28104.	3.6	40
12	Anticancer activity of 4-phenyl-2,2,6-terpyridines behind the metal complexation. <i>European Journal of Medicinal Chemistry</i> , 2020, 189, 112039.	5.5	38
13	Synthesis of 8-hydroxyquinoline glycoconjugates and preliminary assay of their $\beta$ 1,4-GalT inhibitory and anti-cancer properties. <i>Bioorganic Chemistry</i> , 2019, 84, 326-338.	4.1	37
14	Design and synthesis of anticancer 1-hydroxynaphthalene-2-carboxanilides with a p53 independent mechanism of action. <i>Scientific Reports</i> , 2019, 9, 6387.	3.3	32
15	Phenothiazine derivatives - synthesis, characterization, and theoretical studies with an emphasis on the solvatochromic properties. <i>Journal of Molecular Liquids</i> , 2019, 285, 515-525.	4.9	31
16	Iron Chelators in Photodynamic Therapy Revisited: Synergistic Effect by Novel Highly Active Thiosemicarbazones. <i>ACS Medicinal Chemistry Letters</i> , 2014, 5, 336-339.	2.8	30
17	Small molecule glycoconjugates with anticancer activity. <i>European Journal of Medicinal Chemistry</i> , 2016, 112, 130-144.	5.5	30
18	Theoretical and Experimental Investigations of Large Stokes Shift Fluorophores Based on a Quinoline Scaffold. <i>Molecules</i> , 2020, 25, 2488.	3.8	28

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19	Investigation of the Biological Properties of (Hetero)Aromatic Thiosemicarbazones. <i>Molecules</i> , 2012, 17, 13483-13502.	3.8	27
20	Cytotoxicity of Ionic Liquids on Normal Human Dermal Fibroblasts in the Context of Their Present and Future Applications. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 7649-7657.	6.7	26
21	Synergy Against Fungal Pathogens: Working Together is Better Than Working Alone. <i>Current Medicinal Chemistry</i> , 2014, 21, 870-893.	2.4	25
22	Comprehensive exploration of the optical and biological properties of new quinoline based cellular probes. <i>Dyes and Pigments</i> , 2017, 144, 119-132.	3.7	23
23	Thiazole-based nitrogen mustards: Design, synthesis, spectroscopic studies, DFT calculation, molecular docking, and antiproliferative activity against selected human cancer cell lines. <i>Journal of Molecular Structure</i> , 2016, 1119, 139-150.	3.6	21
24	Piperazinyl fragment improves anticancer activity of Triapine. <i>PLoS ONE</i> , 2018, 13, e0188767.	2.5	21
25	Synthesis of New Styrylquinoline Cellular Dyes, Fluorescent Properties, Cellular Localization and Cytotoxic Behavior. <i>PLoS ONE</i> , 2015, 10, e0131210.	2.5	20
26	Glycofullerenes as non-receptor tyrosine kinase inhibitors- towards better nanotherapeutics for pancreatic cancer treatment. <i>Scientific Reports</i> , 2020, 10, 260.	3.3	20
27	New derivatives of 4-phenyl-2,6-terpyridine as promising anticancer agents. <i>European Journal of Medicinal Chemistry</i> , 2021, 212, 113032.	5.5	20
28	Trisubstituted Imidazolium-Based Ionic Liquids as Innovative Heat Transfer Media in Sustainable Energy Systems. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 7960-7968.	6.7	18
29	Microwave assisted synthesis, X-ray crystallography and DFT calculations of selected aromatic thiosemicarbazones. <i>Journal of Molecular Structure</i> , 2013, 1037, 63-72.	3.6	16
30	4-phenyl-2,6-terpyridine Derivatives Containing 1-Substituted-3-Triazole Ring: Synthesis, Characterization and Anticancer Activity. <i>ChemistrySelect</i> , 2018, 3, 7009-7017.	1.5	16
31	Iron Chelators and Exogenic Photosensitizers. Synergy through Oxidative Stress Gene Expression. <i>Journal of Cancer</i> , 2017, 8, 1979-1987.	2.5	15
32	Influence of the substituent D/A at the 1,2,3-triazole ring on novel terpyridine derivatives: synthesis and properties. <i>RSC Advances</i> , 2019, 9, 16554-16564.	3.6	14
33	The Effect of Glycerin Content in Sodium Alginate/Poly(vinyl alcohol)-Based Hydrogels for Wound Dressing Application. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12022.	4.1	14
34	Live cell imaging by 3-imino-(2-phenol)-1,8-naphthalimides: The effect of ex vivo hydrolysis. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 238, 118442.	3.9	12
35	Novel Benzenesulfonate Scaffolds with a High Anticancer Activity and G2/M Cell Cycle Arrest. <i>Cancers</i> , 2021, 13, 1790.	3.7	11
36	Bio-Based Nanofluids of Extraordinary Stability and Enhanced Thermal Conductivity as Sustainable Green Heat Transfer Media. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 7369-7378.	6.7	11

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37	Acid selective pro-dye for cellular compartments. <i>Scientific Reports</i> , 2019, 9, 15304.	3.3	10
38	Interactions of a Water-Soluble Glycofullerene with Glucose Transporter 1. Analysis of the Cellular Effects on a Pancreatic Tumor Model. <i>Nanomaterials</i> , 2021, 11, 513.	4.1	10
39	Key Properties of a Bioactive Ag-SiO <sub>2</sub> /TiO <sub>2</sub> Coating on NiTi Shape Memory Alloy as Necessary at the Development of a New Class of Biomedical Materials. <i>International Journal of Molecular Sciences</i> , 2021, 22, 507.	4.1	10
40	Physicochemical and structural features of heat treated silver-silica nanocomposite and their impact on biological properties. <i>Materials Science and Engineering C</i> , 2019, 103, 109790.	7.3	9
41	Toward the Development of an Innovative Implant: NiTi Alloy Functionalized by Multifunctional $\beta$ -TCP+Ag/SiO <sub>2</sub> Coatings. <i>ACS Applied Bio Materials</i> , 2019, 2, 987-998.	4.6	8
42	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. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021, 415, 113314.	3.9	8
43	1,8-Naphthalimides 3-substituted with imine or $\beta$ -ketoenamine unit evaluated as compounds for organic electronics and cell imaging. <i>Dyes and Pigments</i> , 2021, 193, 109508.	3.7	8
44	Anticancer potential and through study of the cytotoxicity mechanism of ionic liquids that are based on the trifluoromethanesulfonate and bis(trifluoromethylsulfonyl)imide anions. <i>Journal of Hazardous Materials</i> , 2022, 427, 128160.	12.4	8
45	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. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 10934-10943.	6.7	7
46	Photofunctionalization effect and biological ageing of PEEK, TiO <sub>2</sub> and ZrO <sub>2</sub> abutments material. <i>Materials Science and Engineering C</i> , 2021, 121, 111823.	7.3	6
47	Luminescence and Electrochemical Activity of New Unsymmetrical 3-Imino-1,8-naphthalimide Derivatives. <i>Materials</i> , 2021, 14, 5504.	2.9	6
48	Synthesis and applications of [60]fullerene nanoconjugate with 5-aminolevulinic acid and its glycoconjugate as drug delivery vehicles. <i>RSC Advances</i> , 2022, 12, 6377-6388.	3.6	6
49	Investigation of antibacterial and cytotoxic potential of phenolics derived from <i>Cistus incanus</i> L. by means of thin-layer chromatography-direct bioautography and cytotoxicity assay. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2018, 41, 349-357.	1.0	4
50	Impact of thiosemicarbazones on the accumulation of PpIX and the expression of the associated genes. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2019, 199, 111585.	3.8	4
51	Impact of temperature on the physicochemical, structural and biological features of copper-silica nanocomposites. <i>Materials Science and Engineering C</i> , 2020, 107, 110274.	7.3	4
52	The effect of high-pressure on organocatalyzed ROP of $\beta$ -butyrolactone. <i>Polymer</i> , 2021, 233, 124166.	3.8	4
53	Sugar decorated star-shaped (co)polymers with resveratrol-based core " physicochemical and biological properties. <i>Journal of Materials Science</i> , 2022, 57, 2257-2276.	3.7	4
54	A Comparison of Antioxidant, Antibacterial, and Anticancer Activity of the Selected Thyme Species by Means of Hierarchical Clustering and Principal Component Analysis. <i>Acta Chromatographica</i> , 2016, 28, 207-221.	1.3	3

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55	High pressure as a novel tool for the cationic ROP of $\hat{\text{I}}^3$ -butyrolactone. RSC Advances, 2021, 11, 34806-34819.	3.6	2
56	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