

# Zdzislaw Chilmonczyk

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

50 papers	774 citations	16 h-index	25 g-index
52 ext. papers	868 ext. citations	4 avg, IF	3.69 L-index

#	Paper	IF	Citations
50	The Comparison of MTT and CVS Assays for the Assessment of Anticancer Agent Interactions. <i>PLoS ONE</i> , <b>2016</b> , 11, e0155772	3.7	94
49	<sup>1</sup> H, <sup>13</sup> C, <sup>15</sup> N NMR analysis of sildenafil base and citrate (Viagra) in solution, solid state and pharmaceutical dosage forms. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2005</b> , 38, 865-70	3.5	70
48	Functional Selectivity and Antidepressant Activity of Serotonin 1A Receptor Ligands. <i>International Journal of Molecular Sciences</i> , <b>2015</b> , 16, 18474-506	6.3	60
47	Synthesis and hypolipidemic and antiplatelet activities of alpha-asarone isomers in humans (in vitro), mice (in vivo), and rats (in vivo). <i>Journal of Medicinal Chemistry</i> , <b>2000</b> , 43, 3671-6	8.3	41
46	Autophagic cell death and premature senescence: New mechanism of 5-fluorouracil and sulforaphane synergistic anticancer effect in MDA-MB-231 triple negative breast cancer cell line. <i>Food and Chemical Toxicology</i> , <b>2018</b> , 111, 1-8	4.7	35
45	A linear combination of pharmacophore hypotheses as a new tool in search of new active compounds--an application for 5-HT <sub>1A</sub> receptor ligands. <i>PLoS ONE</i> , <b>2013</b> , 8, e84510	3.7	29
44	Identification of novel serotonin transporter compounds by virtual screening. <i>Journal of Chemical Information and Modeling</i> , <b>2014</b> , 54, 933-43	6.1	27
43	The development and validation of a novel virtual screening cascade protocol to identify potential serotonin 5-HT <sub>7</sub> R antagonists. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2010</b> , 20, 2465-8	2.9	26
42	From Homology Models to a Set of Predictive Binding Pockets-a 5-HT Receptor Case Study. <i>Journal of Chemical Information and Modeling</i> , <b>2017</b> , 57, 311-321	6.1	22
41	Sulforaphane Regulates NFE2L2/Nrf2-Dependent Xenobiotic Metabolism Phase II and Phase III Enzymes Differently in Human Colorectal Cancer and Untransformed Epithelial Colon Cells. <i>Nutrition and Cancer</i> , <b>2016</b> , 68, 1338-1348	2.8	21
40	Up-regulation of glutathione-related genes, enzyme activities and transport proteins in human cervical cancer cells treated with doxorubicin. <i>Biomedicine and Pharmacotherapy</i> , <b>2016</b> , 83, 397-406	7.5	21
39	Molecular mechanism of serotonin transporter inhibition elucidated by a new flexible docking protocol. <i>European Journal of Medicinal Chemistry</i> , <b>2012</b> , 47, 24-37	6.8	20
38	In the triple-negative breast cancer MDA-MB-231 cell line, sulforaphane enhances the intracellular accumulation and anticancer action of doxorubicin encapsulated in liposomes. <i>International Journal of Pharmaceutics</i> , <b>2019</b> , 558, 311-318	6.5	20
37	New enantiomeric fluorine-containing derivatives of sulforaphane: synthesis, absolute configurations and biological activity. <i>European Journal of Medicinal Chemistry</i> , <b>2014</b> , 76, 332-42	6.8	19
36	Direct separation of $\beta$ -hydroxy acid enantiomers by ligand exchange chromatography. <i>Chirality</i> , <b>1998</b> , 10, 821-830	2.1	18
35	Organofluorine Isoselenocyanate Analogues of Sulforaphane: Synthesis and Anticancer Activity. <i>ChemMedChem</i> , <b>2016</b> , 11, 2398-2409	3.7	18
34	Serotonin transporter and receptor ligands with antidepressant activity as neuroprotective and proapoptotic agents. <i>Pharmacological Reports</i> , <b>2017</b> , 69, 469-478	3.9	16

33	Intrinsic activity and comparative molecular dynamics of buspirone analogues at the 5-HT(1A) receptors. <i>Biochemical Pharmacology</i> , <b>2004</b> , 67, 2219-30	6	15
32	Enantioselective separation of 1,4-disubstituted piperazine derivatives on two cellulose chiralcel OD and OJ and one amylose chiralpak AD chiral selectors. <i>Chirality</i> , <b>1999</b> , 11, 790-4	2.1	15
31	Relationship between chromatographic behavior and affinity to 5-HT1A serotonin receptors of new buspirone analogues. <i>Journal of Separation Science</i> , <b>2002</b> , 25, 273-279	3.4	13
30	NMR studies of buspirone (an anxiolytic drug) analogues. <i>Journal of Molecular Structure</i> , <b>1996</b> , 385, 195-207	3.4	13
29	Genotoxicity of alpha-asarone analogues. <i>Bioorganic and Medicinal Chemistry</i> , <b>2008</b> , 16, 6069-74	3.4	12
28	Interaction of 1,2,4-substituted piperazines, new serotonin receptor ligands, with 5-HT1A and 5-HT2A receptors. <i>Il Farmaco</i> , <b>2002</b> , 57, 285-301		12
27	3D QSAR study of hypolipidemic asarones by comparative molecular surface analysis. <i>Bioorganic and Medicinal Chemistry</i> , <b>2006</b> , 14, 1630-43	3.4	10
26	Molecular dynamics of 5-HT1A and 5-HT2A serotonin receptors with methylated buspirone analogues. <i>Journal of Computer-Aided Molecular Design</i> , <b>2001</b> , 15, 1005-23	4.2	10
25	New benzimidazole-derived isothioureas as potential antileukemic agents--studies in vitro. <i>Medicinal Chemistry</i> , <b>2015</b> , 11, 364-72	1.8	9
24	The molecular interactions of buspirone analogues with the serotonin transporter. <i>Bioorganic and Medicinal Chemistry</i> , <b>2008</b> , 16, 9283-94	3.4	8
23	Comparison of Volatile Constituents of Acorus calamus and Asarum europaeum Obtained by Different Techniques. <i>Journal of Essential Oil Research</i> , <b>2008</b> , 20, 390-395	2.3	8
22	Synthesis, antidepressant evaluation and docking studies of long-chain alkyl nitroquipazines as serotonin transporter inhibitors. <i>Chemical Biology and Drug Design</i> , <b>2013</b> , 81, 695-706	2.9	7
21	Deoxynucleosides with benzimidazoles as aglycone moiety are potent anticancer agents. <i>European Journal of Pharmacology</i> , <b>2018</b> , 820, 146-155	5.3	7
20	New generation of camptothecin derivatives spontaneously alkylating DNA. <i>New Journal of Chemistry</i> , <b>2016</b> , 40, 7978-7985	3.6	6
19	New validated HPLC methodology for the determination of (-)-trans-paroxetine and its enantiomer in pharmaceutical formulations with use of ovomucoid chiral stationary phase. <i>Analytical and Bioanalytical Chemistry</i> , <b>2014</b> , 406, 3697-702	4.4	6
18	In Vitro Evaluation of Sulforaphane and a Natural Analog as Potent Inducers of 5-Fluorouracil Anticancer Activity. <i>Molecules</i> , <b>2018</b> , 23,	4.8	6
17	Ligand-directed trafficking of receptor stimulus. <i>Pharmacological Reports</i> , <b>2014</b> , 66, 1011-21	3.9	5
16	Proapoptotic effects of novel pentabromobenzylisothioureas in human leukemia cell lines. <i>Medicinal Chemistry Research</i> , <b>2012</b> , 21, 3111-3118	2.2	5

15	Structure-retention relationship in a series of chiral 1,4-disubstituted piperazine derivatives on carbohydrate chiral stationary phases. <i>Il Farmaco</i> , <b>2005</b> , 60, 439-43		5
14	Some analogues of 1,4-disubstituted piperazines as hypnotic and sedative agents. <i>Archiv Der Pharmazie</i> , <b>1995</b> , 328, 187-91	4.3	5
13	Synthesis, in vitro binding studies and docking of long-chain arylpiperazine nitroquipazine analogues, as potential serotonin transporter inhibitors. <i>European Journal of Medicinal Chemistry</i> , <b>2012</b> , 49, 200-10	6.8	4
12	Pharmacological properties and SAR of new 1,4-disubstituted piperazine derivatives with hypnotic-sedative activity. <i>Journal of Pharmacy and Pharmacology</i> , <b>2002</b> , 54, 689-98	4.8	4
11	Rigid analogues of buspirone and gepirone, 5-HT <sub>1A</sub> receptors partial agonists. <i>Il Farmaco</i> , <b>2002</b> , 57, 917-23		4
10	Enantioselectivity of 3-amino-2-oxazolidinone derivatives with potential psychotropic activity on cellulose tris(4-methylbenzoate) chiral selector. <i>Chirality</i> , <b>2001</b> , 13, 148-52	2.1	4
9	Fluoroaryl analogs of sulforaphane - A group of compounds of anticancer and antimicrobial activity. <i>Bioorganic Chemistry</i> , <b>2020</b> , 94, 103454	5.1	4
8	Synthesis and proapoptotic properties of new casein kinase II inhibitors. <i>Acta Poloniae Pharmaceutica</i> , <b>2010</b> , 67, 635-41	1.3	4
7	In-vivo effects of the 1,2,4-piperazine derivatives MM5 and MC1, putative 5-HT agonists, on dopamine and serotonin release in rat prefrontal cortex. <i>Journal of Pharmacy and Pharmacology</i> , <b>2005</b> , 57, 205-11	4.8	3
6	Direct determination of the enantiomeric purity of (R)- and (S)-2-hydroxy-4-phenylbutyric acid. <i>Chirality</i> , <b>1994</b> , 6, 627-630	2.1	3
5	Oncotoxic Properties of Serotonin Transporter Inhibitors and 5-HT Receptor Ligands. <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 19,	6.3	3
4	Vibrational spectrum of buspirone. <i>Journal of Molecular Structure</i> , <b>1997</b> , 404, 221-234	3.4	2
3	Ligand-5-HT <sub>1A</sub> receptor interaction. <i>Il Farmaco</i> , <b>2000</b> , 55, 191-3		2
2	The new HPLC methodology for the chiral separation of tamsulosin enantiomers on amylose tris(3,5-dimethylphenylcarbamate) stationary phase. <i>Talanta</i> , <b>2012</b> , 102, 75-8	6.2	1
1	Mass-spectrometric studies of new 6-nitroquipazines-serotonin transporter inhibitors. <i>Analytical and Bioanalytical Chemistry</i> , <b>2012</b> , 402, 537-41	4.4	