

# Magdalena Kotanska

## 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.

70  
papers

615  
citations

14  
h-index

20  
g-index

75  
ext. papers

807  
ext. citations

4.4  
avg, IF

3.62  
L-index

#	Paper	IF	Citations
70	The influence of the route of administration of gold nanoparticles on their tissue distribution and basic biochemical parameters: In vivo studies. <i>Pharmacological Reports</i> , <b>2015</b> , 67, 405-9	3.9	59
69	Antinociceptive, anti-inflammatory and smooth muscle relaxant activities of the pyrrolo[3,4-d]pyridazinone derivatives: Possible mechanisms of action. <i>Pharmacology Biochemistry and Behavior</i> , <b>2015</b> , 133, 99-110	3.9	29
68	Idalopirdine - a small molecule antagonist of 5-HT <sub>6</sub> with therapeutic potential against obesity. <i>Metabolic Brain Disease</i> , <b>2015</b> , 30, 1487-94	3.9	29
67	Alpha lipoic acid protects the heart against myocardial post ischemia-reperfusion arrhythmias via KATP channel activation in isolated rat hearts. <i>Pharmacological Reports</i> , <b>2014</b> , 66, 499-504	3.9	26
66	The 1,3,5-Triazine Derivatives as Innovative Chemical Family of 5-HT Serotonin Receptor Agents with Therapeutic Perspectives for Cognitive Impairment. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	22
65	The role of lipoic acid in prevention of nitroglycerin tolerance. <i>European Journal of Pharmacology</i> , <b>2008</b> , 591, 203-10	5.3	22
64	Effects of different garlic-derived allyl sulfides on peroxidative processes and anaerobic sulfur metabolism in mouse liver. <i>Phytotherapy Research</i> , <b>2012</b> , 26, 425-31	6.7	21
63	A Comparison of the Anorectic Effect and Safety of the Alpha <sub>2</sub> -Adrenoceptor Ligands Guanfacine and Yohimbine in Rats with Diet-Induced Obesity. <i>PLoS ONE</i> , <b>2015</b> , 10, e0141327	3.7	19
62	H <sub>3</sub> histamine receptor antagonist pitolisant reverses some subchronic disturbances induced by olanzapine in mice. <i>Metabolic Brain Disease</i> , <b>2016</b> , 31, 1023-9	3.9	18
61	Idalopirdine, a selective 5-HT receptor antagonist, reduces food intake and body weight in a model of excessive eating. <i>Metabolic Brain Disease</i> , <b>2018</b> , 33, 733-740	3.9	17
60	Synthesis and biological activity of novel tert-butyl and tert-pentylphenoxyalkyl piperazine derivatives as histamine H <sub>3</sub> ligands. <i>European Journal of Medicinal Chemistry</i> , <b>2018</b> , 152, 223-234	6.8	16
59	Are anti-inflammatory properties of lipoic acid associated with the formation of hydrogen sulfide?. <i>Pharmacological Reports</i> , <b>2013</b> , 65, 1018-24	3.9	16
58	Tissue distribution of gold nanoparticles after single intravenous administration in mice. <i>Pharmacological Reports</i> , <b>2013</b> , 65, 1033-8	3.9	15
57	Single Administration of HBK-15-a Triple 5-HT <sub>1A</sub> , 5-HT <sub>2A</sub> , and 5-HT <sub>2C</sub> Receptor Antagonist-Reverses Depressive-Like Behaviors in Mouse Model of Depression Induced by Corticosterone. <i>Molecular Neurobiology</i> , <b>2018</b> , 55, 3931-3945	6.2	14
56	Antidepressant-like activity of aroxyalkyl derivatives of 2-methoxyphenylpiperazine and evidence for the involvement of serotonin receptor subtypes in their mechanism of action. <i>Pharmacology Biochemistry and Behavior</i> , <b>2016</b> , 141, 28-41	3.9	14
55	HBK-15 protects mice from stress-induced behavioral disturbances and changes in corticosterone, BDNF, and NGF levels. <i>Behavioural Brain Research</i> , <b>2017</b> , 333, 54-66	3.4	14
54	Computer-Aided Studies for Novel Arylhydantoin 1,3,5-Triazine Derivatives as 5-HT <sub>1A</sub> Serotonin Receptor Ligands with Antidepressant-Like, Anxiolytic and Antiobesity Action In Vivo. <i>Molecules</i> , <b>2018</b> , 23,	4.8	14

53	In vivo anti-inflammatory activity of lipoic acid derivatives in mice. <i>Postepy Higieny I Medycyny Doswiadczalnej</i> , <b>2013</b> , 67, 331-8	0.3	13
52	Pyrrolidin-2-one derivatives may reduce body weight in rats with diet-induced obesity. <i>European Journal of Pharmacology</i> , <b>2016</b> , 776, 146-55	5.3	12
51	Metabolic and Cardiovascular Benefits and Risks of EMD386088-A 5-HT Receptor Partial Agonist and Dopamine Transporter Inhibitor. <i>Frontiers in Neuroscience</i> , <b>2017</b> , 11, 50	5.1	12
50	The histamine H receptor inverse agonist pitolisant reduces body weight in obese mice. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , <b>2018</b> , 391, 875-881	3.4	12
49	PSB 603 - a known selective adenosine A2B receptor antagonist - has anti-inflammatory activity in mice. <i>Biomedicine and Pharmacotherapy</i> , <b>2021</b> , 135, 111164	7.5	10
48	Structural modifications and in vitro pharmacological evaluation of 4-pyridyl-piperazine derivatives as an active and selective histamine H receptor ligands. <i>Bioorganic Chemistry</i> , <b>2019</b> , 91, 103071	5.1	9
47	Anti-Alzheimer's multitarget-directed ligands with serotonin 5-HT antagonist, butyrylcholinesterase inhibitory, and antioxidant activity. <i>Archiv Der Pharmazie</i> , <b>2019</b> , 352, e1900041	4.3	9
46	Evaluation of antidepressant-like and anxiolytic-like activity of purinedione-derivatives with affinity for adenosine A receptors in mice. <i>Pharmacological Reports</i> , <b>2016</b> , 68, 1285-1292	3.9	9
45	KSK19 - Novel histamine H3 receptor ligand reduces body weight in diet induced obese mice. <i>Biochemical Pharmacology</i> , <b>2019</b> , 168, 193-203	6	9
44	Hypotensive effect of alpha-lipoic acid after a single administration in rats. <i>Anatolian Journal of Cardiology</i> , <b>2016</b> , 16, 306-9	0.8	9
43	Chemically Homogenous Compounds with Antagonistic Properties at All $\beta$ -Adrenoceptor Subtypes but not $\beta$ -Adrenoceptor Attenuate Adrenaline-Induced Arrhythmia in Rats. <i>Frontiers in Pharmacology</i> , <b>2016</b> , 7, 229	5.6	9
42	Are the Hydantoin-1,3,5-triazine 5-HTR Ligands a Hope to a Find New Procognitive and Anti-Obesity Drug? Considerations Based on Primary In Vivo Assays and ADME-Tox Profile In Vitro. <i>Molecules</i> , <b>2019</b> , 24,	4.8	9
41	Antiarrhythmic activity of new 2-methoxyphenylpiperazine xanthone derivatives after ischemia/reperfusion in rats. <i>Pharmacological Reports</i> , <b>2015</b> , 67, 1163-7	3.9	8
40	Evaluation of anticonvulsant activity of novel pyrrolidin-2-one derivatives. <i>Pharmacological Reports</i> , <b>2014</b> , 66, 708-11	3.9	8
39	Novel and effective synthesis protocol of AgNPs functionalized using L-cysteine as a potential drug carrier. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , <b>2018</b> , 391, 123-130	3.4	8
38	Optimization and preclinical evaluation of novel histamine H receptor ligands: Acetyl and propionyl phenoxyalkyl piperazine derivatives. <i>Bioorganic and Medicinal Chemistry</i> , <b>2018</b> , 26, 6056-6066	3.4	8
37	Synthesis and biological evaluation of N-arylpiperazine derivatives of 4,4-dimethylisoquinoline-1,3(2H,4H)-dione as potential antiplatelet agents. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2018</b> , 33, 536-545	5.6	7
36	$\beta$ Adrenoceptor antagonistic and hypotensive properties of novel arylpiperazine derivatives of pyrrolidin-2-one. <i>Bioorganic and Medicinal Chemistry</i> , <b>2015</b> , 23, 2104-11	3.4	6

35	Antinociceptive, antiedematous, and antiallodynic activity of 1H-pyrrolo[3,4-c]pyridine-1,3(2H)-dione derivatives in experimental models of pain. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , <b>2020</b> , 393, 813-827	3.4	6
34	Metabolic benefits of 1-(3-(4-(o-tolyl)piperazin-1-yl)propyl)pyrrolidin-2-one: a non-selective $\beta$ -adrenoceptor antagonist. <i>Journal of Endocrinological Investigation</i> , <b>2018</b> , 41, 609-619	5.2	6
33	Reversal of cardiac, vascular, and renal dysfunction by non-quinazoline $\beta$ -adrenolytics in DOCA-salt hypertensive rats: a comparison with prazosin, a quinazoline-based $\beta$ -adrenoceptor antagonist. <i>Hypertension Research</i> , <b>2019</b> , 42, 1125-1141	4.7	5
32	Synthesis and Pharmacological Activity of a New Series of 1-(1H-Indol-4-yloxy)-3-(2-(2-methoxyphenoxy)ethylamino)propan-2-ol Analogs. <i>Archiv Der Pharmazie</i> , <b>2016</b> , 349, 211-23	4.3	5
31	HBK-14 and HBK-15 Do Not Influence Blood Pressure, Lipid Profile, Glucose Level, or Liver Enzymes Activity after Chronic Treatment in Rats. <i>PLoS ONE</i> , <b>2016</b> , 11, e0165495	3.7	5
30	Anti-aggregation effect of aroxyalkyl derivatives of 2-methoxyphenylpiperazine is due to their 5-HT and $\beta$ -adrenoceptor antagonistic properties. A comparison with ketanserin, sarpogrelate, prazosin, yohimbine and ARC239. <i>European Journal of Pharmacology</i> , <b>2018</b> , 818, 263-270	5.3	5
29	KD-64-A new selective A2A adenosine receptor antagonist has anti-inflammatory activity but contrary to the non-selective antagonist-Caffeine does not reduce diet-induced obesity in mice. <i>PLoS ONE</i> , <b>2020</b> , 15, e0229806	3.7	4
28	Involvement of the NO/sGC/cGMP/K channels pathway in vascular relaxation evoked by two non-quinazoline $\beta$ -adrenoceptor antagonists. <i>Biomedicine and Pharmacotherapy</i> , <b>2018</b> , 103, 157-166	7.5	4
27	The effect of nitroglycerin tolerance on oxidative stress and anaerobic sulfur metabolism in rat tissues. <i>Fundamental and Clinical Pharmacology</i> , <b>2010</b> , 24, 47-53	3.1	4
26	Beneficial effects of non-quinazoline $\beta$ -adrenolytics on hypertension and altered metabolism in fructose-fed rats. A comparison with prazosin. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , <b>2019</b> , 29, 751-760	4.5	3
25	Antiarrhythmic and $\beta$ -Adrenoceptor Antagonistic Properties of Novel Arylpiperazine Derivatives of Pyrrolidin-2-one. <i>Archiv Der Pharmazie</i> , <b>2015</b> , 348, 861-7	4.3	3
24	Arylsulfonamide derivatives of (aryloxy)ethyl pyrrolidines and piperidines as $\beta$ -adrenergic receptor antagonist with uro-selective activity. <i>Bioorganic and Medicinal Chemistry</i> , <b>2016</b> , 24, 5582-5591	3.4	3
23	Structural modifications in the distal, regulatory region of histamine H receptor antagonists leading to the identification of a potent anti-obesity agent. <i>European Journal of Medicinal Chemistry</i> , <b>2021</b> , 213, 113041	6.8	3
22	Effects of GPR18 Ligands on Body Weight and Metabolic Parameters in a Female Rat Model of Excessive Eating. <i>Pharmaceuticals</i> , <b>2021</b> , 14,	5.2	3
21	Contribution of the nitric oxide donor molsidomine and the antiparkinsonian drug l-DOPA to the modulation of the blood pressure in unilaterally 6-OHDA-lesioned rats. <i>Pharmacological Reports</i> , <b>2017</b> , 69, 29-35	3.9	2
20	Antidepressant-like activity and safety profile evaluation of 1H-imidazo[2,1-f]purine-2,4(3H,8H)-dione derivatives as 5-HT1A receptor partial agonists. <i>PLoS ONE</i> , <b>2020</b> , 15, e0237196	3.7	2
19	MH-76, a Novel Non-Quinazoline $\beta$ -Adrenoceptor Antagonist, but Not Prazosin Reduces Inflammation and Improves Insulin Signaling in Adipose Tissue of Fructose-Fed Rats. <i>Pharmaceuticals</i> , <b>2021</b> , 14,	5.2	2
18	Design, Sustainable Synthesis and Biological Evaluation of a Novel Dual $\alpha$ A/5-HT7 Receptor Antagonist with Antidepressant-Like Properties. <i>Molecules</i> , <b>2021</b> , 26,	4.8	2

17	Can Lipoic Acid Attenuate Cardiovascular Disturbances Induced by Ethanol and Disulfiram Administration Separately or Jointly in Rats?. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2019</b> , 2019, 1974982	6.7	2
16	Synthesis and Pharmacological Evaluation of Novel Silodosin-Based Arylsulfonamide Derivatives as $\alpha$ Adrenergic Receptor Antagonist with Potential Uroselective Profile. <i>Molecules</i> , <b>2018</b> , 23,	4.8	2
15	The GPR18 Agonist PSB-KD-107 Exerts Endothelium-Dependent Vasorelaxant Effects. <i>Pharmaceuticals</i> , <b>2021</b> , 14,	5.2	2
14	Pitolisant protects mice chronically treated with corticosterone from some behavioral but not metabolic changes in corticosterone-induced depression model. <i>Pharmacology Biochemistry and Behavior</i> , <b>2020</b> , 196, 172974	3.9	1
13	KD-64 $\alpha$ new selective A2Adenosine receptor antagonist has anti-inflammatory activity but contrary to the non-selective antagonist $\alpha$ caffeine does not reduce diet-induced obesity in mice		1
12	The effect of NaCl on the level of reduced sulfur compounds in rat liver. Implications for blood pressure increase. <i>Postepy Higieny I Medycyny Doswiadczonej</i> , <b>2017</b> , 71, 564-576	0.3	1
11	Is the mechanism of nitroglycerin tolerance associated with aldehyde dehydrogenase activity? A contribution to the ongoing discussion. <i>Acta Biochimica Polonica</i> , <b>2019</b> , 66, 627-632	2	1
10	Discovery of Potential, Dual-Active Histamine H Receptor Ligands with Combined Antioxidant Properties. <i>Molecules</i> , <b>2021</b> , 26,	4.8	1
9	Multifunctional Arylsulfone and Arylsulfonamide-Based Ligands with Prominent Mood-Modulating Activity and Benign Safety Profile, Targeting Neuropsychiatric Symptoms of Dementia. <i>Journal of Medicinal Chemistry</i> , <b>2021</b> , 64, 12603-12629	8.3	1
8	Metabolic benefits of novel histamine H receptor ligands in the model of excessive eating: The importance of intrinsic activity and pharmacokinetic properties. <i>Biomedicine and Pharmacotherapy</i> , <b>2021</b> , 142, 111952	7.5	1
7	Influence of betahistine repeated administration on a weight gain and selected metabolic parameters in the model of excessive eating in rats. <i>Biomedicine and Pharmacotherapy</i> , <b>2021</b> , 141, 111892	7.5	0
6	Antiarrhythmic activity in occlusion-reperfusion model of 1-(1H-indol-4-yloxy)-3-[[2-(2-methoxyphenoxy)ethyl]amino] propan-2-ol and its enantiomers. <i>Clinical and Experimental Pharmacology and Physiology</i> , <b>2016</b> , 43, 81-7	3	
5	KD-64 $\alpha$ new selective A2A adenosine receptor antagonist has anti-inflammatory activity but contrary to the non-selective antagonist $\alpha$ caffeine does not reduce diet-induced obesity in mice <b>2020</b> , 15, e0229806		
4	KD-64 $\alpha$ new selective A2A adenosine receptor antagonist has anti-inflammatory activity but contrary to the non-selective antagonist $\alpha$ caffeine does not reduce diet-induced obesity in mice <b>2020</b> , 15, e0229806		
3	KD-64 $\alpha$ new selective A2A adenosine receptor antagonist has anti-inflammatory activity but contrary to the non-selective antagonist $\alpha$ caffeine does not reduce diet-induced obesity in mice <b>2020</b> , 15, e0229806		
2	KD-64 $\alpha$ new selective A2A adenosine receptor antagonist has anti-inflammatory activity but contrary to the non-selective antagonist $\alpha$ caffeine does not reduce diet-induced obesity in mice <b>2020</b> , 15, e0229806		
1	Guanabenz-an old drug with a potential to decrease obesity.. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , <b>2022</b> , 1	3-4	