Monika GÅ‚uch-Lutwin

List of Publications by Year
in descending order

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55 papers	734 citations	516215 16 h-index	610482 24 g-index
55 all docs	55 docs citations	55 times ranked	1014 citing authors

#	Article	IF	Citations
1	Novel multi-target-directed ligands for Alzheimer's disease: Combining cholinesterase inhibitors and 5-HT 6 receptor antagonists. Design, synthesis and biological evaluation. European Journal of Medicinal Chemistry, 2016, 124, 63-81.	2.6	72
2	Novel Multitarget-Directed Ligands Aiming at Symptoms and Causes of Alzheimerâ€™s Disease. ACS Chemical Neuroscience, 2018, 9, 1195-1214.	1.7	44
3	Antidepressant- and Anxiolytic-Like Effects of New Dual 5-HT1A and 5-HT7 Antagonists in Animal Models. PLoS ONE, 2015, 10, e0142499.	1.1	39
4	New Dual Small Molecules for Alzheimerâ€™s Disease Therapy Combining Histamine H₃ Receptor (H3R) Antagonism and Calcium Channels Blockade with Additional Cholinesterase Inhibition. Journal of Medicinal Chemistry, 2019, 62, 11416-11422.	2.9	30
5	A Comparison of the Anorectic Effect and Safety of the Alpha2-Adrenoceptor Ligands Guanfacine and Yohimbine in Rats with Diet-Induced Obesity. PLoS ONE, 2015, 10, e0141327.	1.1	28
6	Aryl-1,3,5-triazine ligands of histamine H4 receptor attenuate inflammatory and nociceptive response to carrageen, zymosan and lipopolysaccharide. Inflammation Research, 2017, 66, 79-95.	1.6	26
7	Novel 3-(1,2,3,6-Tetrahydropyridin-4-yl)-1H-indole-Based Multifunctional Ligands with Antipsychotic-Like, Mood-Modulating, and Procognitive Activity. Journal of Medicinal Chemistry, 2017, 60, 7483-7501.	2.9	25
8	Vanadium complexes with salicylaldehyde-based Schiff base ligandsâ€”structure, properties and biological activity. Journal of Coordination Chemistry, 2020, 73, 986-1008.	0.8	23
9	Synthesis and biological evaluation of 2-fluoro and 3-trifluoromethyl-phenyl-piperazinylalkyl derivatives of 1H-imidazo[2,1-f]purine-2,4(3H,8H)-dione as potential antidepressant agents. Journal of Enzyme Inhibition and Medicinal Chemistry, 2016, 31, 10-24.	2.5	21
10	Novel Aryloxyethyl Derivatives of 1-(1-Benzoylpiperidin-4-yl)methanamine as the Extracellular Regulated Kinases 1/2 (ERK1/2) Phosphorylation-Preferring Serotonin 5-HT_{1A} Receptor-Biased Agonists with Robust Antidepressant-like Activity. Journal of Medicinal Chemistry, 2019, 62, 2750-2771.	2.9	21
11	Single Administration of HBK-15â€”a Triple 5-HT1A, 5-HT7, and 5-HT3 Receptor Antagonistâ€”Reverses Depressive-Like Behaviors in Mouse Model of Depression Induced by Corticosterone. Molecular Neurobiology, 2018, 55, 3931-3945.	1.9	20
12	Molecular mechanism of action and safety of 5-(3-chlorophenyl)-4-hexyl-2,4-dihydro-3H-1,2,4-triazole-3-thione - a novel anticonvulsant drug candidate. International Journal of Medical Sciences, 2017, 14, 741-749.	1.1	19
13	Novel anilide and benzylamide derivatives of arylpiperazinylalkanoic acids as 5-HT1A/5-HT7 receptor antagonists and phosphodiesterase 4/7 inhibitors with procognitive and antidepressant activity. European Journal of Medicinal Chemistry, 2020, 201, 112437.	2.6	19
14	HBK-15 protects mice from stress-induced behavioral disturbances and changes in corticosterone, BDNF, and NGF levels. Behavioural Brain Research, 2017, 333, 54-66.	1.2	18
15	5-HT1A and 5-HT2A receptors affinity, docking studies and pharmacological evaluation of a series of 8-acetyl-7-hydroxy-4-methylcoumarin derivatives. Bioorganic and Medicinal Chemistry, 2018, 26, 527-535.	1.4	18
16	Synthesis and computer-aided SAR studies for derivatives of phenoxyalkyl-1,3,5-triazine as the new potent ligands for serotonin receptors 5-HT6. European Journal of Medicinal Chemistry, 2019, 178, 740-751.	2.6	18
17	HBK-7 â€” A new xanthone derivative and a 5-HT1A receptor antagonist with antidepressant-like properties. Pharmacology Biochemistry and Behavior, 2016, 146-147, 35-43.	1.3	17
18	Evaluation of analgesic, antioxidant, cytotoxic and metabolic effects of pregabalin for the use in neuropathic pain. Neurological Research, 2013, 35, 948-958.	0.6	16

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19	Pyrrolidin-2-one derivatives may reduce body weight in rats with diet-induced obesity. European Journal of Pharmacology, 2016, 776, 146-155.	1.7	15
20	Synthesis of a new series of aryl/heteroarylpiperazinyl derivatives of 8-acetyl-7-hydroxy-4-methylcoumarin with low nanomolar 5-HT 1A affinities. European Journal of Medicinal Chemistry, 2017, 137, 108-116.	2.6	15
21	HBK-17, a 5-HT1A Receptor Ligand With Anxiolytic-Like Activity, Preferentially Activates ÃŸ-Arrestin Signaling. Frontiers in Pharmacology, 2018, 9, 1146.	1.6	15
22	Chlorine substituents and linker topology as factors of 5-HT6R activity for novel highly active 1,3,5-triazine derivatives with procognitive properties inÂvivo. European Journal of Medicinal Chemistry, 2020, 203, 112529.	2.6	14
23	Development and crystallography-aided SAR studies of multifunctional BuChE inhibitors and 5-HT6R antagonists with Î²-amyloid anti-aggregation properties. European Journal of Medicinal Chemistry, 2021, 225, 113792.	2.6	13
24	Synthesis, Anticonvulsant and Antinociceptive Activity of New Hybrid Compounds: Derivatives of 3-(3-Methylthiophen-2-yl)-pyrrolidine-2,5-dione. International Journal of Molecular Sciences, 2020, 21, 5750.	1.8	12
25	The selective 5-HT1A receptor biased agonists, F15599 and F13714, show antidepressant-like properties after a single administration in the mouse model of unpredictable chronic mild stress. Psychopharmacology, 2021, 238, 2249-2260.	1.5	11
26	Discovery of 1-(phenylsulfonyl)-1H-indole-based multifunctional ligands targeting cholinesterases and 5-HT6 receptor with anti-aggregation properties against amyloid-beta and tau. European Journal of Medicinal Chemistry, 2021, 225, 113783.	2.6	11
27	Arylpiperazinylalkyl derivatives of 8-amino-1,3-dimethylpurine-2,6-dione as novel multitarget 5-HT/D receptor agents with potential antipsychotic activity. Journal of Enzyme Inhibition and Medicinal Chemistry, 2016, 31, 1048-1062.	2.5	10
28	Evaluation of anticonvulsant and analgesic activity of new hybrid compounds derived from N -phenyl-2-(2,5-dioxopyrrolidin-1-yl)-propanamides and â€“butanamides. Epilepsy Research, 2018, 143, 11-19.	0.8	10
29	Alkyl derivatives of 1,3,5-triazine as histamine H4 receptor ligands. Bioorganic and Medicinal Chemistry, 2019, 27, 1254-1262.	1.4	10
30	Aminoalkyl Derivatives of 8â€Alkoxypurineâ€2,6â€diones: Multifunctional 5â€HT_{1A}/5â€HT₇ Receptor Ligands and PDE Inhibitors with Antidepressant Activity. Archiv Der Pharmazie, 2016, 349, 889-903.	2.1	9
31	Development of selective agents targeting serotonin 5HT1A receptors with subnanomolar activities based on a coumarin core. MedChemComm, 2017, 8, 1690-1696.	3.5	8
32	Novel multitarget 5-arylidenehydantoins with arylpiperazinealkyl fragment: Pharmacological evaluation and investigation of cytotoxicity and metabolic stability. Bioorganic and Medicinal Chemistry, 2019, 27, 4163-4173.	1.4	8
33	Characteristics of metabolic stability and the cell permeability of 2â€pyrimidinylâ€piperazinylâ€alkyl derivatives of 1Hâ€imidazo[2,1 â€f]purineâ€2,4(3 H ,8 H)â€dione with antidepressantâ€and anxiolyticâ€like activities. Chemical Biology and Drug Design, 2019, 93, 511-521.	1.5	8
34	6-Acetyl-5-hydroxy-4,7-dimethylcoumarin derivatives: Design, synthesis, modeling studies, 5-HT1A, 5-HT2A and D2 receptors affinity. Bioorganic Chemistry, 2020, 100, 103912.	2.0	8
35	HBK-14 and HBK-15 Do Not Influence Blood Pressure, Lipid Profile, Glucose Level, or Liver Enzymes Activity after Chronic Treatment in Rats. PLoS ONE, 2016, 11, e0165495.	1.1	8
36	Synthesis and activity of newly designed aroxyalkyl or aroxyethoxyethyl derivatives of piperazine on the cardiovascular and the central nervous systems. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 5315-5321.	1.0	7

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37	Synthesis and activity of di- or trisubstituted N -(phenoxyalkyl)- or N -{2-[2-(phenoxy)ethoxy]ethyl}piperazine derivatives on the central nervous system. Bioorganic and Medicinal Chemistry Letters, 2018, 28, 2039-2049.	1.0	7
38	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. PLoS ONE, 2020, 15, e0237196.	1.1	7
39	Impact of N-Alkylamino Substituents on Serotonin Receptor (5-HTR) Affinity and Phosphodiesterase 10A (PDE10A) Inhibition of Isoindole-1,3-dione Derivatives. Molecules, 2020, 25, 3868.	1.7	6
40	8-Benzylaminoxanthine scaffold variations for selective ligands acting on adenosine A2A receptors. Design, synthesis and biological evaluation. Bioorganic Chemistry, 2020, 101, 104033.	2.0	5
41	Eosinophils adhesion assay as a tool for phenotypic drug screening - The pharmacology of 1,3,5 â€“ Triazine and 1H-indole like derivatives against the human histamine H4 receptor. European Journal of Pharmacology, 2021, 890, 173611.	1.7	5
42	Synthesis of N â€(phenoxyalkyl)â€, N â€{2â€[2â€(phenoxy)ethoxy]ethyl}â€•or N â€(phenoxyacetyl)piperazine Derivatives and Their Activity Within the Central Nervous System. ChemistrySelect, 2019, 4, 9381-9391.	0.7	4
43	Multifunctional 6-fluoro-3-[3-(pyrrolidin-1-yl)propyl]-1,2-benzoxazoles targeting behavioral and psychological symptoms of dementia (BPSD). European Journal of Medicinal Chemistry, 2020, 191, 112149.	2.6	4
44	Synthesis and Evaluation of the Antidepressant-like Properties of HBK-10, a Novel 2-Methoxyphenylpiperazine Derivative Targeting the 5-HT1A and D2 Receptors. Pharmaceuticals, 2021, 14, 744.	1.7	4
45	Design, synthesis, and behavioral evaluation of dual-acting compounds as phosphodiesterase type 10A (PDE10A) inhibitors and serotonin ligands targeting neuropsychiatric symptoms in dementia. European Journal of Medicinal Chemistry, 2022, 233, 114218.	2.6	4
46	Influence of analgesic active 3-[4-(3-trifluoromethyl-phenyl)-piperazin-1-yl]-dihydrofuran-2-one on the antioxidant status, glucose utilization and lipid accumulation in somein vitroandex vivoassays. Toxicology Mechanisms and Methods, 2014, 24, 204-211.	1.3	3
47	Cell-based Screening For Identification Of The Novel Vanadium Complexes With Multidirectional Activity Relative To The Cells And The Mechanisms Associated With Metabolic Disorders. Science Technology and Innovation, 2019, 4, 47-54.	0.0	3
48	Tridentate hydrazido-hydrazones vanadium complexes. Synthesis, properties and biological activity. Science Technology and Innovation, 2019, 4, 9-20.	0.0	3
49	RECEPTOR AFFINITY AND PHOSPHODIESTERASES 4B AND 10A ACTIVITY OF OCTAHYDRO- AND 6,7-DIMETHOXY-3,4-DIHYDRO- ISOQUINOLIN-2(1H)-YL-ALKYL DERIVATIVES OF IMIDAZO- AND PYRIMIDINO[2,1-f]PURINES. Acta Poloniae Pharmaceutica, 2016, 73, 369-77.	0.3	3
50	Structureâ€“5â€HT/D₂ Receptor Affinity Relationship in a New Group of 1â€Arylpiperazynylalkyl Derivatives of 8â€Dialkylaminoâ€3,7â€dimethylâ€1Hâ€purineâ€2,6(3H,7H)â€dione. Archiv Der Pharmazie, 2016, 349, 774-784.	2.1	2
51	The antidepressant-like activity of chiral xanthone derivatives may be mediated by 5-HT1A receptor and Î²-arrestin signalling. Journal of Psychopharmacology, 2020, 34, 1431-1442.	2.0	2
52	A new class of 5-HT1A receptor antagonists with procognitive and antidepressant properties. Future Medicinal Chemistry, 2021, 13, 1497-1514.	1.1	2
53	Modulation of the MOP Receptor (Î¼ Opioid Receptor) by Imidazo[1,2-a]imidazole-5,6-Diones: In Search of the Elucidation of the Mechanism of Action. Molecules, 2022, 27, 2930.	1.7	2
54	Functional selectivity â€“ chance for better and safer drugs?. Postepy Psychiatrii I Neurologii, 2017, 26, 165-178.	0.2	1

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55	Potentiation of adipogenesis and insulinomimetic effects of novel vanadium complex (N'-[(E)-(5-bromo-2-oxophenyl)methylidene]-4-methoxybenzohydrazide)oxido(1,10-phenanthroline)vanadium(IV) in 3T3-L1 cells. Science Technology and Innovation, 2019, 4, 55-62.	0.0	1