Katarzyna Kiec-Kononowicz

List of Publications by Citations

220 papers	3,268 citations	30 h-index	39 g-index
236 ext. papers	3,821 ext. citations	4.2 avg, IF	5.24 L-index

#	Paper	IF	Citations
220	Strategies for bypassing the membrane barrier in multidrug resistant Gram-negative bacteria. *FEBS Letters*, **2011**, 585, 1682-90	3.8	158
219	Recent Advances in Multi-Drug Resistance (MDR) Efflux Pump Inhibitors of Gram-Positive Bacteria S. aureus. *Antibiotics*, **2013**, 2, 28-45	4.9	95
218	Anticancer thiopyrano[2,3-d][1,3]thiazol-2-ones with norbornane moiety. Synthesis, cytotoxicity, physico-chemical properties, and computational studies. *Bioorganic and Medicinal Chemistry*, **2006**, 14, 5230-40	3.4	77
217	Synthesis of 5-arylidene-2-amino-4-azolones and evaluation of their anticancer activity. *Bioorganic and Medicinal Chemistry*, **2010**, 18, 5090-102	3.4	72
216	Recent advances in histamine H3 receptor antagonists/inverse agonists. *Expert Opinion on Therapeutic Patents*, **2010**, 20, 1147-69	6.8	50
215	Identification of selenocompounds with promising properties to reverse cancer multidrug resistance. *Bioorganic and Medicinal Chemistry Letters*, **2016**, 26, 2821-2824	2.9	43
214	Fluorescent GPCR ligands as new tools in pharmacology. *Current Medicinal Chemistry*, **2008**, 15, 2132-43	4.3	41
213	Natural selenium particles from Staphylococcus carnosus: Hazards or particles with particular promise?. *Journal of Hazardous Materials*, **2017**, 324, 22-30	12.8	40
212	Synthesis and evaluation of in vivo activity of diphenylhydantoin basic derivatives. *European Journal of Medicinal Chemistry*, **2004**, 39, 1013-27	6.8	39
211	The histamine H3R antagonist DL77 attenuates autistic behaviors in a prenatal valproic acid-induced mouse model of autism. *Scientific Reports*, **2018**, 8, 13077	4.9	39
210	Aryl-1,3,5-triazine derivatives as histamine H4 receptor ligands. *European Journal of Medicinal Chemistry*, **2014**, 83, 534-46	6.8	38
209	Synthesis, alpha 1-adrenoceptor antagonist activity, and SAR study of novel arylpiperazine derivatives of phenytoin. *Bioorganic and Medicinal Chemistry*, **2008**, 16, 5982-98	3.4	38
208	Design, synthesis and biological evaluation of new hybrid anticonvulsants derived from N-benzyl-2-(2,5-dioxopyrrolidin-1-yl)propanamide and 2-(2,5-dioxopyrrolidin-1-yl)butanamide derivatives. *Bioorganic and Medicinal Chemistry*, **2015**, 23, 2548-61	3.4	35
207	New developments around histamine H(3) receptor antagonists/inverse agonists: a patent review (2010 - present). *Expert Opinion on Therapeutic Patents*, **2014**, 24, 89-111	6.8	35
206	In the search for a lead structure among series of potent and selective hydantoin 5-HT R agents: The drug-likeness in vitro study. *Chemical Biology and Drug Design*, **2017**, 90, 1295-1306	2.9	35
205	Ether derivatives of 3-piperidinopropan-1-ol as non-imidazole histamine H3 receptor antagonists. *Bioorganic and Medicinal Chemistry*, **2006**, 14, 3522-9	3.4	34
204	Molecular and functional interaction between GPR18 and cannabinoid CB G-protein-coupled receptors. Relevance in neurodegenerative diseases. *Biochemical Pharmacology*, **2018**, 157, 169-179	6	33

203	Design, synthesis, and anticonvulsant activity of new hybrid compounds derived from 2-(2,5-dioxopyrrolidin-1-yl)propanamides and 2-(2,5-dioxopyrrolidin-1-yl)butanamides. *Journal of Medicinal Chemistry*, **2015**, 58, 5274-86	8.3	33
202	Synthesis and biological activity of tricyclic aryloimidazo-, pyrimido-, and diazepinopurinediones. *Bioorganic and Medicinal Chemistry*, **2006**, 14, 7258-81	3.4	33
201	Antimicrobial activity of 5-arylidene aromatic derivatives of hydantoin. Part 2. *Il Farmaco*, **2002**, 57, 39-44		33
200	Imidazo-thiazine, -diazinone and -diazepinone derivatives. Synthesis, structure and benzodiazepine receptor binding. *European Journal of Medicinal Chemistry*, **2001**, 36, 407-19	6.8	33
199	Novel Multitarget-Directed Ligands Aiming at Symptoms and Causes of Alzheimer Disease. *ACS Chemical Neuroscience*, **2018**, 9, 1195-1214	5.7	32
198	Antimycobacterial activity of 5-arylidene aromatic derivatives of hydantoin. *Il Farmaco*, **2002**, 57, 355-62		32
197	MF-8, a novel promising arylpiperazine-hydantoin based 5-HT receptor antagonist: In vitro drug-likeness studies and in vivo pharmacological evaluation. *Bioorganic and Medicinal Chemistry Letters*, **2018**, 28, 878-883	2.9	31
196	2-Phenylquinoline S. aureus NorA Efflux Pump Inhibitors: Evaluation of the Importance of Methoxy Group Introduction. *Journal of Medicinal Chemistry*, **2018**, 61, 7827-7848	8.3	31
195	Anticonvulsive effect of nonimidazole histamine H3 receptor antagonists. *Behavioural Pharmacology*, **2014**, 25, 245-52	2.4	31
194	Phenylethyl-substituted pyrimido[2,1-f]purinediones and related compounds: structure-activity relationships as adenosine A(1) and A(2A) receptor ligands. *Bioorganic and Medicinal Chemistry*, **2007**, 15, 6956-74	3.4	31
193	Novel Piperazine Arylideneimidazolones Inhibit the AcrAB-TolC Pump in Escherichia coli and Simultaneously Act as Fluorescent Membrane Probes in a Combined Real-Time Influx and Efflux Assay. *Antimicrobial Agents and Chemotherapy*, **2016**, 60, 1974-83	5.9	30
192	SAR-studies on the importance of aromatic ring topologies in search for selective 5-HT(7) receptor ligands among phenylpiperazine hydantoin derivatives. *European Journal of Medicinal Chemistry*, **2014**, 78, 324-39	6.8	30
191	N9-benzyl-substituted 1,3-dimethyl- and 1,3-dipropyl-pyrimido[2,1-f]purinediones: synthesis and structure-activity relationships at adenosine A1 and A2A receptors. *Bioorganic and Medicinal Chemistry*, **2007**, 15, 5003-17	3.4	30
190	Amine-alkyl derivatives of hydantoin: new tool to combat resistant bacteria. *European Journal of Medicinal Chemistry*, **2011**, 46, 5807-16	6.8	28
189	Chlorophenoxy aminoalkyl derivatives as histamine H(3)R ligands and antiseizure agents. *Bioorganic and Medicinal Chemistry*, **2016**, 24, 53-72	3.4	27
188	Synthesis and biological activity of tricyclic cycloalkylimidazo-, pyrimido- and diazepinopurinediones. *European Journal of Medicinal Chemistry*, **2011**, 46, 3590-607	6.8	27
187	Molecular modeling of A1 and A2A adenosine receptors: comparison of rhodopsin- and beta2-adrenergic-based homology models through the docking studies. *Journal of Computational Chemistry*, **2009**, 30, 14-32	3.5	27
186	The dual-active histamine H3 receptor antagonist and acetylcholine esterase inhibitor E100 ameliorates stereotyped repetitive behavior and neuroinflammmation in sodium valproate induced autism in mice. *Chemico-Biological Interactions*, **2019**, 312, 108775	5	26

185	Search for new tools to combat Gram-negative resistant bacteria among amine derivatives of 5-arylidenehydantoin. *Bioorganic and Medicinal Chemistry*, **2013**, 21, 135-45	3.4	26
184	Antiarrhythmic properties of phenylpiperazine derivatives of phenytoin with □adrenoceptor affinities. *Bioorganic and Medicinal Chemistry*, **2012**, 20, 2290-303	3.4	25
183	1,3-Dialkyl-substituted tetrahydropyrimido[1,2-f]purine-2,4-diones as multiple target drugs for the potential treatment of neurodegenerative diseases. *Bioorganic and Medicinal Chemistry*, **2013**, 21, 7435-52	3.4	25
182	Five-membered heterocycles. Part III. Aromaticity of 1,3-imidazole in 5+n hetero-bicyclic molecules. *Journal of Molecular Structure*, **2003**, 655, 397-403	3.4	25
181	Development of chiral N-alkylcarbamates as new leads for potent and selective H3-receptor antagonists: synthesis, capillary electrophoresis, and in vitro and oral in vivo activity. *Journal of Medicinal Chemistry*, **1999**, 42, 593-600	8.3	25
180	Biological activity of hydantoin derivatives on P-glycoprotein (ABCB1) of mouse lymphoma cells. *Anticancer Research*, **2010**, 30, 4867-71	2.3	25
179	Impact of the aryl substituent kind and distance from pyrimido[2,1-f]purindiones on the adenosine receptor selectivity and antagonistic properties. *European Journal of Medicinal Chemistry*, **2003**, 38, 397-402	6.8	24
178	Non-imidazole-based histamine H3 receptor antagonists with anticonvulsant activity in different seizure models in male adult rats. *Drug Design, Development and Therapy*, **2016**, 10, 3879-3898	4.4	24
177	The 5-aromatic hydantoin-3-acetate derivatives as inhibitors of the tumour multidrug resistance efflux pump P-glycoprotein (ABCB1): Synthesis, crystallographic and biological studies. *Bioorganic and Medicinal Chemistry*, **2016**, 24, 2815-22	3.4	24
176	The computer-aided discovery of novel family of the 5-HT serotonin receptor ligands among derivatives of 4-benzyl-1,3,5-triazine. *European Journal of Medicinal Chemistry*, **2017**, 135, 117-124	6.8	22
175	The 1,3,5-Triazine Derivatives as Innovative Chemical Family of 5-HT Serotonin Receptor Agents with Therapeutic Perspectives for Cognitive Impairment. *International Journal of Molecular Sciences* , **2019**, 20,	6.3	22
174	Aspects of a Distinct Cytotoxicity of Selenium Salts and Organic Selenides in Living Cells with Possible Implications for Drug Design. *Molecules*, **2015**, 20, 13894-912	4.8	22
173	Dual-acting diether derivatives of piperidine and homopiperidine with histamine H(3) receptor antagonistic and anticholinesterase activity. *Archiv Der Pharmazie*, **2012**, 345, 591-7	4.3	22
172	Tricyclic oxazolo[2,3-f]purinediones: potency as adenosine receptor ligands and anticonvulsants. *Bioorganic and Medicinal Chemistry*, **2004**, 12, 4895-908	3.4	22
171	SYNTHESIS AND SPECTROSCOPIC PROPERTIES OF FUSED 5-ARYLIDENE-2-THIOHYDANTOIN DERIVATIVES. *Phosphorus, Sulfur and Silicon and the Related Elements*, **1992**, 73, 235-248	1	22
170	(2-Arylethenyl)-1,3,5-triazin-2-amines as a novel histamine H4 receptor ligands. *European Journal of Medicinal Chemistry*, **2015**, 103, 238-51	6.8	21
169	Antinociceptive effects of novel histamine H and H receptor antagonists and their influence on morphine analgesia of neuropathic pain in the mouse. *British Journal of Pharmacology*, **2018**, 175, 2897-2910	8.6	21
168	Progress in the development of histamine H receptor antagonists/inverse agonists: a patent review (2013-2017). *Expert Opinion on Therapeutic Patents*, **2018**, 28, 175-196	6.8	21

167	Synthesis and SAR-study for novel arylpiperazine derivatives of 5-arylidenehydantoin with □adrenoceptor antagonistic properties. *Bioorganic and Medicinal Chemistry*, **2012**, 20, 4245-57	3.4	21
166	Anticonvulsant properties of histamine H3 receptor ligands belonging to N-substituted carbamates of imidazopropanol. *Bioorganic and Medicinal Chemistry Letters*, **2013**, 23, 4886-91	2.9	21
165	Synthesis, structure and antiarrhythmic properties evaluation of new basic derivatives of 5,5-diphenylhydantoin. *European Journal of Medicinal Chemistry*, **2003**, 38, 555-66	6.8	21
164	The Histamine H3 Receptor Antagonist E159 Reverses Memory Deficits Induced by Dizocilpine in Passive Avoidance and Novel Object Recognition Paradigm in Rats. *Frontiers in Pharmacology*, **2017**, 8, 709	5.6	20
163	Pharmacophore models based studies on the affinity and selectivity toward 5-HT1A with reference to □1-adrenergic receptors among arylpiperazine derivatives of phenytoin. *Bioorganic and Medicinal Chemistry*, **2011**, 19, 1349-60	3.4	20
162	N-Alkenyl and cycloalkyl carbamates as dual acting histamine H3 and H4 receptor ligands. *Bioorganic and Medicinal Chemistry*, **2011**, 19, 2850-8	3.4	20
161	The Histamine H3 Receptor Antagonist DL77 Ameliorates MK801-Induced Memory Deficits in Rats. *Frontiers in Neuroscience*, **2018**, 12, 42	5.1	19
160	Multifunctional Hybrid Compounds Derived from 2-(2,5-Dioxopyrrolidin-1-yl)-3-methoxypropanamides with Anticonvulsant and Antinociceptive Properties. *Journal of Medicinal Chemistry*, **2017**, 60, 8565-8579	8.3	19
159	Selenazolinium Salts as "Small Molecule Catalysts" with High Potency against ESKAPE Bacterial Pathogens. *Molecules*, **2017**, 22,	4.8	19
158	Search for a 5-CT alternative. and evaluation of novel pharmacological tools: 3-(1-alkyl-1-imidazol-5-yl)-1-indole-5-carboxamides, low-basicity 5-HT receptor agonists. *MedChemComm*, **2018**, 9, 1882-1890	5	19
157	Selenocompounds as Novel Antibacterial Agents and Bacterial Efflux Pump Inhibitors. *Molecules*, **2019**, 24,	4.8	18
156	Fluorescent-Labeled Selective Adenosine A Receptor Antagonist Enables Competition Binding Assay by Flow Cytometry. *Journal of Medicinal Chemistry*, **2018**, 61, 4301-4316	8.3	18
155	Novel naphthyloxy derivatives - Potent histamine H receptor ligands. Synthesis and pharmacological evaluation. *Bioorganic and Medicinal Chemistry*, **2018**, 26, 2573-2585	3.4	18
154	New Dual Small Molecules for Alzheimer□ Disease Therapy Combining Histamine H Receptor (H3R) Antagonism and Calcium Channels Blockade with Additional Cholinesterase Inhibition. *Journal of Medicinal Chemistry*, **2019**, 62, 11416-11422	8.3	18
153	Chiral Discrimination of Some Annelated Xanthine Derivatives by the Dirhodium Method. *European Journal of Organic Chemistry*, **2000**, 2000, 3489-3496	3.2	18
152	H3 histamine receptor antagonist pitolisant reverses some subchronic disturbances induced by olanzapine in mice. *Metabolic Brain Disease*, **2016**, 31, 1023-9	3.9	18
151	Rational design in search for 5-phenylhydantoin selective 5-HT7R antagonists. Molecular modeling, synthesis and biological evaluation. *European Journal of Medicinal Chemistry*, **2016**, 112, 258-269	6.8	18
150	Imidazolidine-4-one derivatives in the search for novel chemosensitizers of Staphylococcus aureus MRSA: synthesis, biological evaluation and molecular modeling studies. *European Journal of Medicinal Chemistry*, **2015**, 101, 313-25	6.8	17

149	Azines as histamine H4 receptor antagonists. *Frontiers in Bioscience - Scholar*, **2012**, 4, 967-87	2.4	17
148	Search for influence of spatial properties on affinity at -adrenoceptor subtypes for phenylpiperazine derivatives of phenytoin. *Bioorganic and Medicinal Chemistry Letters*, **2010**, 20, 6152-6	2.9	17
147	Imidazo[2,1-b]thiazepines: synthesis, structure and evaluation of benzodiazepine receptor binding. *European Journal of Medicinal Chemistry*, **2004**, 39, 205-18	6.8	17
146	Modes of Xanthine Complexation to Dirhodium Tetrakis[(R)--methoxy- (trifluoromethyl)-phenylacetate] in Solution and in the Solid State. *Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences*, **2001**, 56, 319-324	1	17
145	Reaction of 5,5-diphenyl-2-thiohydantoin with 1,2-dibromoethane.crystal and molecular structures of 2,3-dihydro-6,6-diphenylimi-dazo-[2,1-b]-thiazol-5(6h)-one and 2,3-dihydro-5,5-diphenylimi-dazo-[2,-1-b]-thiazol-6(5h)-one and their reactivity. *Tetrahedron*, **1985**, 41, 4593-4602	2.4	17
144	Studies on Anticonvulsant Effects of Novel Histamine H3R Antagonists in Electrically and Chemically Induced Seizures in Rats. *International Journal of Molecular Sciences*, **2018**, 19,	6.3	17
143	The novel non-imidazole histamine H3 receptor antagonist DL77 reduces voluntary alcohol intake and ethanol-induced conditioned place preference in mice. *Physiology and Behavior*, **2015**, 151, 189-97	3.5	16
142	Synthesis and biological activity of novel tert-butyl and tert-pentylphenoxyalkyl piperazine derivatives as histamine HR ligands. *European Journal of Medicinal Chemistry*, **2018**, 152, 223-234	6.8	16
141	Cholinesterase inhibitory activity of chlorophenoxy derivatives-Histamine H3 receptor ligands. *Bioorganic and Medicinal Chemistry Letters*, **2016**, 26, 4140-5	2.9	16
140	Aryl-1,3,5-triazine ligands of histamine H receptor attenuate inflammatory and nociceptive response to carrageen, zymosan and lipopolysaccharide. *Inflammation Research*, **2017**, 66, 79-95	7.2	16
139	Piperidine variations in search for non-imidazole histamine H(3) receptor ligands. *Bioorganic and Medicinal Chemistry*, **2008**, 16, 8729-36	3.4	16
138	Synthesis, structure-activity relationship of some new anti-arrhythmic 5-arylidene imidazolidine-2,4-dione derivatives. *European Journal of Medicinal Chemistry*, **2005**, 40, 259-69	6.8	16
137	Search for new multi-target compounds against Alzheimer disease among histamine H receptor ligands. *European Journal of Medicinal Chemistry*, **2020**, 185, 111785	6.8	16
136	Low-basicity 5-HT Receptor Agonists Synthesized Using the van Leusen Multicomponent Protocol. *Scientific Reports*, **2017**, 7, 1444	4.9	15
135	Fluorinated indole-imidazole conjugates: Selective orally bioavailable 5-HT receptor low-basicity agonists, potential neuropathic painkillers. *European Journal of Medicinal Chemistry*, **2019**, 170, 261-275	6.8	14
134	Pronounced activity of aromatic selenocyanates against multidrug resistant ESKAPE bacteria. *New Journal of Chemistry*, **2019**, 43, 6021-6031	3.6	14
133	Characterization of non-olfactory GPCRs in human sperm with a focus on GPR18. *Scientific Reports*, **2016**, 6, 32255	4.9	14
132	Histamine H3 and H4 receptor affinity of branched 3-(1H-imidazol-4-yl)propyl N-alkylcarbamates. *Bioorganic and Medicinal Chemistry Letters*, **2009**, 19, 6682-5	2.9	14

131	Comparison of the in vitro hemolytic effects produced by alkoxyacetic acids on human and rat erythrocytes. *International Journal of Occupational Medicine and Environmental Health*, **2008**, 21, 147-55	1.5	14
130	The study of cellular cytotoxicity of argireline - an anti-aging peptide.. *Acta Biochimica Polonica*, **2014**, 61,	2	14
129	Fluorescent GPCR ligands as new tools in pharmacology-update, years 2008-early 2014. *Current Medicinal Chemistry*, **2014**, 21, 3962-75	4.3	14
128	Computer-Aided Studies for Novel Arylhydantoin 1,3,5-Triazine Derivatives as 5-HT Serotonin Receptor Ligands with Antidepressive-Like, Anxiolytic and Antiobesity Action In Vivo. *Molecules*, **2018**, 23,	4.8	14
127	The Dual-Active Histamine H Receptor Antagonist and Acetylcholine Esterase Inhibitor E100 Alleviates Autistic-Like Behaviors and Oxidative Stress in Valproic Acid Induced Autism in Mice. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	13
126	Computer-aided insights into receptor-ligand interaction for novel 5-arylhydantoin derivatives as serotonin 5-HT receptor agents with antidepressant activity. *European Journal of Medicinal Chemistry*, **2018**, 147, 102-114	6.8	13
125	Similarities and differences in affinity and binding modes of tricyclic pyrimido- and pyrazinoxanthines at human and rat adenosine receptors. *Bioorganic and Medicinal Chemistry*, **2016**, 24, 4347-4362	3.4	13
124	Micellar liquid chromatography for lipophilicity determination of new biologically active 1,3-purinodiones. *Journal of Separation Science*, **2010**, 33, 1546-57	3.4	13
123	Azines and diazines as potential histamine H3-receptor antagonists. *Archiv Der Pharmazie*, **1995**, 328, 445-50	4.3	13
122	Pyrazoles as potential histamine H3-receptor antagonists. *Archiv Der Pharmazie*, **1995**, 328, 469-72	4.3	13
121	Synthesis and Properties of cis- and trans-4-Hydroxypraziquantel. *Archiv Der Pharmazie*, **1991**, 324, 235-237	4.3	13
120	Modulation of multidrug efflux pump activity by new hydantoin derivatives on colon adenocarcinoma cells without inducing apoptosis. *Anticancer Research*, **2011**, 31, 3285-8	2.3	13
119	Antagonism of Histamine H3 receptors Alleviates Pentylenetetrazole-Induced Kindling and Associated Memory Deficits by Mitigating Oxidative Stress, Central Neurotransmitters, and c-Fos Protein Expression in Rats. *Molecules*, **2020**, 25,	4.8	12
118	Synthesis, biological activity and molecular modelling studies of tricyclic alkylimidazo-, pyrimido- and diazepinopurinediones. *Purinergic Signalling*, **2013**, 9, 395-414	3.8	12
117	Antiparkinsonian effects of novel adenosine A(2A) receptor antagonists. *Archiv Der Pharmazie*, **2011**, 344, 20-7	4.3	12
116	Fused 2-thiohydantoin derivatives: evaluation as potential antioxidants. *Archiv Der Pharmazie*, **1997**, 330, 85-90	4.3	12
115	The Neuroprotective Effects of Histamine H3 Receptor Antagonist E177 on Pilocarpine-Induced Status Epilepticus in Rats. *Molecules*, **2019**, 24,	4.8	12
114	The histamine H receptor inverse agonist pitolisant reduces body weight in obese mice. *Naunyn-Schmiedebergs Archives of Pharmacology*, **2018**, 391, 875-881	3.4	12

113	Histamine H3 receptor antagonist E177 attenuates amnesia induced by dizocilpine without modulation of anxiety-like behaviors in rats. *Neuropsychiatric Disease and Treatment*, **2019**, 15, 531-542	3.1	11
112	Novel multi-target directed ligands based on annelated xanthine scaffold with aromatic substituents acting on adenosine receptor and monoamine oxidase B. Synthesis, in vitro and in silico studies. *Bioorganic and Medicinal Chemistry*, **2019**, 27, 1195-1210	3.4	11
111	Atypical cardiostimulant beta-adrenoceptor in the rat heart: stereoselective antagonism by bupranolol but lack of effect by some bupranolol analogues. *British Journal of Pharmacology*, **2003**, 139, 1548-54	8.6	11
110	Efflux Pump Blockers in Gram-Negative Bacteria: The New Generation of Hydantoin Based-Modulators to Improve Antibiotic Activity. *Frontiers in Microbiology*, **2016**, 7, 622	5.7	11
109	Synthesis and biological activity of novel tert-amylphenoxyalkyl (homo)piperidine derivatives as histamine HR ligands. *Bioorganic and Medicinal Chemistry*, **2017**, 25, 2701-2712	3.4	10
108	Synthesis and computer-aided SAR studies for derivatives of phenoxyalkyl-1,3,5-triazine as the new potent ligands for serotonin receptors 5-HT. *European Journal of Medicinal Chemistry*, **2019**, 178, 740-751	6.8	10
107	Crystallographic and spectroscopic studies of 5-arylidene-2-amino-imidazol-4-ones. *Journal of Molecular Structure*, **2009**, 930, 126-134	3.4	10
106	Diether derivatives of homo- or substituted piperidines as non-imidazole histamine H3 receptor ligands. *Bioorganic and Medicinal Chemistry*, **2009**, 17, 3037-42	3.4	10
105	Structure and activity studies of glycine receptor ligands. Part 7. Structural remarks on arylidene□imidazoline-4-one glycinates and glycinamides. *Journal of Molecular Structure*, **2001**, 597, 73-81	3.4	10
104	REACTION OF 5,5-DIPHENYL-2-THIOHYDANTOIN WITH 1,4-DIBROMOBUTANE. THE CRYSTAL AND MOLECULAR STRUCTURE OF 2,3,4,5-TETRAHYDRO-7,7-DIPHENYLIMIDAZO-[2,1-b]-THIAZEPINE-8(7H)-ONE. *Phosphorus, Sulfur and Silicon and the Related Elements*, **1989**, 42, 191-200	1	10
103	Simultaneous Blockade of Histamine H Receptors and Inhibition of Acetylcholine Esterase Alleviate Autistic-Like Behaviors in BTBR T+ tf/J Mouse Model of Autism. *Biomolecules*, **2020**, 10,	5.9	10
102	PSB 603 - a known selective adenosine A2B receptor antagonist - has anti-inflammatory activity in mice. *Biomedicine and Pharmacotherapy*, **2021**, 135, 111164	7.5	10
101	In vitro study of histamine and histamine receptor ligands influence on the adhesion of purified human eosinophils to endothelium. *European Journal of Pharmacology*, **2016**, 777, 49-59	5.3	10
100	Synthesis and computer-aided analysis of the role of linker for novel ligands of the 5-HT serotonin receptor among substituted 1,3,5-triazinylpiperazines. *Bioorganic Chemistry*, **2019**, 84, 319-325	5.1	10
99	Structure-activity relationships of imidazothiazinones and analogs as antagonists of the cannabinoid-activated orphan G protein-coupled receptor GPR18. *European Journal of Medicinal Chemistry*, **2018**, 155, 381-397	6.8	10
98	Phenylalanine derivatives with modulating effects on human □-glycine receptors and anticonvulsant activity in strychnine-induced seizure model in male adult rats. *Epilepsy Research*, **2017**, 138, 124-131	3	9
97	Structural modifications and in vitro pharmacological evaluation of 4-pyridyl-piperazine derivatives as an active and selective histamine H receptor ligands. *Bioorganic Chemistry*, **2019**, 91, 103071	5.1	9
96	Computational Investigations on the Binding Mode of Ligands for the Cannabinoid-Activated G Protein-Coupled Receptor GPR18. *Biomolecules*, **2020**, 10,	5.9	9

95	Evaluation of antidepressant-like and anxiolytic-like activity of purinedione-derivatives with affinity for adenosine A receptors in mice. *Pharmacological Reports*, **2016**, 68, 1285-1292	3.9	9
94	KSK19 - Novel histamine H3 receptor ligand reduces body weight in diet induced obese mice. *Biochemical Pharmacology*, **2019**, 168, 193-203	6	9
93	Biphenyloxy-alkyl-piperidine and azepane derivatives as histamine H receptor ligands. *Bioorganic and Medicinal Chemistry*, **2017**, 25, 5341-5354	3.4	9
92	The Synthesis of 1,3,5-triazine Derivatives and JNJ7777120 Analogues with Histamine H4 Receptor Affinity and Their Interaction with PTEN Promoter. *Chemical Biology and Drug Design*, **2016**, 88, 254-63	2.9	9
91	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. *Molecules*, **2019**, 24,	4.8	9
90	Histamine H3 Receptor Ligands in the Group of (Homo)piperazine Derivatives. *Current Medicinal Chemistry*, **2018**, 25, 1609-1626	4.3	9
89	Role of Histamine H Receptor Antagonists on Intraocular Pressure Reduction in Rabbit Models of Transient Ocular Hypertension and Glaucoma. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	8
88	Anti-inflammatory, antioxidant, and antiparkinsonian effects of adenosine A receptor antagonists. *Pharmacology Biochemistry and Behavior*, **2015**, 132, 71-78	3.9	8
87	Discovery of Tricyclic Xanthines as Agonists of the Cannabinoid-Activated Orphan G-Protein-Coupled Receptor GPR18. *ACS Medicinal Chemistry Letters*, **2020**, 11, 2024-2031	4.3	8
86	Anticonvulsant evaluation of novel non-imidazole histamine H3R antagonists in different convulsion models in rats. *Pharmacology Biochemistry and Behavior*, **2018**, 170, 14-24	3.9	8
85	Tricyclic xanthine derivatives containing a basic substituent: adenosine receptor affinity and drug-related properties. *MedChemComm*, **2018**, 9, 951-962	5	8
84	Arylidene imidazothiazoles. Synthesis, structure and benzodiazepine receptor binding. *Journal of Heterocyclic Chemistry*, **1999**, 36, 257-263	1.9	8
83	Optimization and preclinical evaluation of novel histamine Hreceptor ligands: Acetyl and propionyl phenoxyalkyl piperazine derivatives. *Bioorganic and Medicinal Chemistry*, **2018**, 26, 6056-6066	3.4	8
82	4-tert-Pentylphenoxyalkyl derivatives - Histamine H receptor ligands and monoamine oxidase B inhibitors. *Bioorganic and Medicinal Chemistry Letters*, **2018**, 28, 3596-3600	2.9	8
81	The activity of 16 new hydantoin compounds on the intrinsic and overexpressed efflux pump system of Staphylococcus aureus. *In Vivo*, **2012**, 26, 223-9	2.3	8
80	Alkyl derivatives of 1,3,5-triazine as histamine H receptor ligands. *Bioorganic and Medicinal Chemistry*, **2019**, 27, 1254-1262	3.4	7
79	Anticonvulsant and reproductive toxicological studies of the imidazole-based histamine H3R antagonist in mice. *Drug Design, Development and Therapy*, **2018**, 12, 179-194	4.4	7
78	Crystal and molecular structure of 5-benzylidene-2-thiohydantoin: The S intermolecular interactions between two CS groups. *Journal of Molecular Structure*, **2009**, 921, 109-113	3.4	7

77	Synthesis, Properties and Structure of 1-Acetyl-6-(4-chlorobenzylidene)-2,3,5,6-tetrahydroimidazo[2,1-b]imidazole-3,5-dione. *Archiv Der Pharmazie*, **1995**, 328, 119-123	4.3	7
76	Reaction of 5,5-diphenyl-2-thiohydantoin with ethyl-2,3-dibromopropionate. Crystal and molecular structure of ethyl-2-{2,3-dihydro-6,6-diphenylimidazo-[2,1-b]-thiazol-5(6H)-one} formate. *Journal of Crystallographic and Spectroscopic Research*, **1987**, 17, 485-494		7
75	Salsolinol-neurotoxic or Neuroprotective?. *Neurotoxicity Research*, **2020**, 37, 286-297	4.3	7
74	Rational design of new multitarget histamine H receptor ligands as potential candidates for treatment of Alzheimer's disease. *European Journal of Medicinal Chemistry*, **2020**, 207, 112743	6.8	7
73	Novel selective agonist of GPR18, PSB-KK-1415 exerts potent anti-inflammatory and anti-nociceptive activities in animal models of intestinal inflammation and inflammatory pain. *Neurogastroenterology and Motility*, **2021**, 33, e14003	4	7
72	4-(3-Aminoazetidin-1-yl)pyrimidin-2-amines as High-Affinity Non-imidazole Histamine H Receptor Agonists with in Vivo Central Nervous System Activity. *Journal of Medicinal Chemistry*, **2019**, 62, 10848-10866	6.3	6
71	MH-3: evidence for non-competitive antagonism towards the low-affinity site of α1-adrenoceptors. *Naunyn-Schmiedeberg's Archives of Pharmacology*, **2014**, 387, 743-52	3.4	6
70	LC-MS-MS Method for the Analysis of New Non-Imidazole Histamine H(3) Receptor Antagonist 1-[3-(4-tert-Butylphenoxy)propyl]piperidine in Rat Serum-Application to Pharmacokinetic Studies. *Chromatographia*, **2011**, 73, 913-919	2.1	6
69	Structure-activity relationship of some new anti-arrhythmic phenytoin derivatives. *Archiv Der Pharmazie*, **2000**, 333, 357-64	4.3	6
68	Study on the effect of EMD386088, a 5-HT receptor partial agonist, in enhancing the anti-immobility action of some antidepressants in rats. *Naunyn-Schmiedeberg's Archives of Pharmacology*, **2018**, 391, 37-49	3.4	6
67	5-Arylideneimidazolones with Amine at Position 3 as Potential Antibiotic Adjuvants against Multidrug Resistant Bacteria. *Molecules*, **2019**, 24,	4.8	5
66	The role of aryl-topology in balancing between selective and dual 5-HTR/5-HT actions of 3,5-substituted hydantoins. *MedChemComm*, **2018**, 9, 1033-1044	5	5
65	Methods for the synthesis of xanthine-derived polycyclic fused systems. *Heterocyclic Communications*, **2013**, 19,	1.7	5
64	Structure and activity studies of glycine receptor ligands. Part 8. Arylidene-imidazoline-4-one aminoacids. *Journal of Molecular Structure*, **2003**, 649, 25-36	3.4	5
63	Human eosinophils - potential pharmacological model applied in human histamine H4 receptor research. *Current Medicinal Chemistry*, **2015**, 22, 2087-99	4.3	5
62	Monocyclic and Fused Azines and Azoles as Histamine H4 Receptor Ligands. *Current Medicinal Chemistry*, **2016**, 23, 1870-925	4.3	5
61	5-arylidene(thio)hydantoin derivatives as modulators of cancer efflux pump. *Acta Poloniae Pharmaceutica*, **2012**, 69, 149-56	1.3	5
60	and ADME-Tox Profiling and Safety Significance of Multifunctional Monoamine Oxidase Inhibitors Targeting Neurodegenerative Diseases. *ACS Chemical Neuroscience*, **2020**, 11, 3793-3801	5.7	4

59	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. *PLoS ONE*, **2020**, 15, e0229806	3.7	4
58	Novel, Dual Target-Directed Annelated Xanthine Derivatives Acting on Adenosine Receptors and Monoamine Oxidase B. *ChemMedChem*, **2020**, 15, 772-786	3.7	4
57	Charge-assisted NH···Cl hydrogen bonds in the structures of 5-benzylidene-imidazol-4-one glycinate hydrochlorides. *Journal of Molecular Structure*, **2009**, 934, 123-128	3.4	4
56	Conformation of cis-4-Hydroxy-praziquantel and its crystal and molecular structure. *Archiv Der Pharmazie*, **2010**, 324, 479-482	4.3	4
55	Crystallographic studies of (Z) and (E) isomers of 2-amino-5-(2-chlorobenzylidene)-1-methyl-1H-imidazol-4(5H)-one. *Journal of Molecular Structure*, **2010**, 966, 14-17	3.4	4
54	Molecular Modeling of an Orphan GPR18 Receptor. *Letters in Drug Design and Discovery*, **2019**, 16, 1167-1174	1.8	4
53	Unnatural D-amino acids as building blocks of new peptidomimetics. *Acta Poloniae Pharmaceutica*, **2006**, 63, 430-3	1.3	4
52	The study of cellular cytotoxicity of argireline - an anti-aging peptide. *Acta Biochimica Polonica*, **2014**, 61, 29-32	2	4
51	Antinociceptive effect of co-administered NMDA and histamine H4 receptor antagonists in a rat model of acute pain. *Pharmacological Reports*, **2017**, 69, 222-228	3.9	3
50	Pharmacokinetics and tissue distribution of the new non-imidazole histamine H3 receptor antagonist 1-[3-(4-tert-butylphenoxy) propyl]piperidine in rats. *Xenobiotica*, **2015**, 45, 912-20	2	3
49	Dual Target Ligands with 4-Butylphenoxy Scaffold as Histamine H Receptor Antagonists and Monoamine Oxidase B Inhibitors. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	3
48	Probing Substituents in the 1- and 3-Position: Tetrahydropyrazino-Annelated Water-Soluble Xanthine Derivatives as Multi-Target Drugs With Potent Adenosine Receptor Antagonistic Activity. *Frontiers in Chemistry*, **2018**, 6, 206	5	3
47	The Search for Histamine H4 Receptor Ligands with Anticancer Activity among Novel (Thio)urea Derivatives. *ChemistrySelect*, **2019**, 4, 10943-10952	1.8	3
46	Biotransformation of new racemic (R,S)-5-benzylhydantoin derivatives by D-hydantoinases from adzuki bean. *Biocatalysis and Biotransformation*, **2014**, 32, 117-124	2.5	3
45	Synthesis, Structure and Properties of 5,5-Diphenyl-2,3,5,6-tetrahydroimidazo-[2,1-b]-imidazoline-3,6-dione. *Archiv Der Pharmazie*, **1995**, 328, 517-521	4.3	3
44	Reaction of 5,5-diphenyl-2-thiohydantoin with ethyl chloroacetate: Synthesis and crystal and molecular structure of 2,3,5,6-tetrahydroimidazo-[2,1-b]-thiazol-3,6-dione. *Journal of Crystallographic and Spectroscopic Research*, **1988**, 18, 563-573		3
43	Discovery of novel lead in the group of N-substituted piperazine ether derivatives with potential histamine H3 receptor activity. *Medicinal Chemistry*, **2014**, 10, 588-99	1.8	3
42	An insight into the structure of 5-spiro aromatic derivatives of imidazolidine-2,4-dione, a new group of very potent inhibitors of tumor multidrug resistance in T-lymphoma cells. *Bioorganic Chemistry*, **2021**, 109, 104735	5.1	3

41	In silico and in vitro studies on interaction of novel non-imidazole histamine HR antagonists with CYP3A4. *Bioorganic and Medicinal Chemistry Letters*, **2020**, 30, 127147	2.9	3
40	Structural modifications in the distal, regulatory region of histamine H receptor antagonists leading to the identification of a potent anti-obesity agent. *European Journal of Medicinal Chemistry*, **2021**, 213, 113041	6.8	3
39	Effects of GPR18 Ligands on Body Weight and Metabolic Parameters in a Female Rat Model of Excessive Eating. *Pharmaceuticals*, **2021**, 14,	5.2	3
38	Binding of 1-[3-(4-tert-butyl-phenoxy)propyl]piperidine, a new non imidazole histamine H3 receptor antagonist to bovine serum albumin. *Acta Poloniae Pharmaceutica*, **2012**, 69, 1043-7	1.3	3
37	Design, synthesis, and and characterization of 1-{4-[4-(substituted)piperazin-1-yl]butyl}guanidines and their piperidine analogues as histamine H receptor antagonists. *MedChemComm*, **2019**, 10, 234-251	5	2
36	The stereoselectivity and hydrolysis efficiency of recombinant D-hydantoinase from Vigna angularis Against 5-benzylhydantoin derivatives with halogen and methyl substituents. *Applied Biochemistry and Biotechnology*, **2015**, 175, 698-704	3.2	2
35	Synthesis and Analgesic Activity of Annelated Xanthine Derivatives in Experimental Models in Rodents. *Archiv Der Pharmazie*, **2015**, 348, 704-14	4.3	2
34	Probing an artificial polypeptide receptor library using a series of novel histamine H3 receptor ligands. *Combinatorial Chemistry and High Throughput Screening*, **2014**, 17, 141-56	1.3	2
33	N-Substituted piperazine derivatives as potential multitarget agents acting on histamine H receptor and cancer resistance proteins. *Bioorganic and Medicinal Chemistry Letters*, **2020**, 30, 127522	2.9	2
32	The GPR18 Agonist PSB-KD-107 Exerts Endothelium-Dependent Vasorelaxant Effects. *Pharmaceuticals*, **2021**, 14,	5.2	2
31	Synthesis and biological profiling of novel isocoumarin derivatives and related compounds. *Journal of the Serbian Chemical Society*, **2021**, 86, 639-649	0.9	2
30	Activity of fourteen new hydantoin compounds on the human ABCB1 efflux pump. *In Vivo*, **2012**, 26, 293-7	2.3	2
29	Development of novel cellular model for affinity studies of histamine H(4) receptor ligands. *Acta Biochimica Polonica*, **2013**, 60, 823-7	2	2
28	Spectroscopic investigations of novel pharmaceuticals: Stability and resonant interaction with laser beam. *Applied Surface Science*, **2017**, 417, 143-148	6.7	1
27	Influence of the Novel Histamine H3 Receptor Antagonist/Inverse Agonist M39 on Gastroprotection and PGE2 Production Induced by ()-Alpha-Methylhistamine in C57BL/6 Mice. *Frontiers in Pharmacology*, **2019**, 10, 966	5.6	1
26	8-Benzylaminoxanthine scaffold variations for selective ligands acting on adenosine A receptors. Design, synthesis and biological evaluation. *Bioorganic Chemistry*, **2020**, 101, 104033	5.1	1
25	Pitolisant protects mice chronically treated with corticosterone from some behavioral but not metabolic changes in corticosterone-induced depression model. *Pharmacology Biochemistry and Behavior*, **2020**, 196, 172974	3.9	1
24	Predictive 3D-Quantitative Structure-Activity Relationship for A1 and A2A Adenosine Receptor Ligands. *QSAR and Combinatorial Science*, **2009**, 28, 1442-1454		1

23	GPR18-Mediated Relaxation of Human Isolated Pulmonary Arteries.. *International Journal of Molecular Sciences*, **2022**, 23,	6.3	1
22	KD-64 – a new selective A2Aadenosine receptor antagonist has anti-inflammatory activity but contrary to the non-selective antagonist – caffeine does not reduce diet-induced obesity in mice		1
21	The Structural Determinants for α-Adrenergic/Serotonin Receptors Activity among Phenylpiperazine-Hydantoin Derivatives. *Molecules*, **2021**, 26,	4.8	1
20	Effects of Bromoalkyl Phenytoin Derivatives on Regulated Death, Cell Cycle and Ultrastructure of Leukemia Cells. *Anticancer Research*, **2017**, 37, 6373-6380	2.3	1
19	Phenylpiperazine 5,5-Dimethylhydantoin Derivatives as First Synthetic Inhibitors of Msr(A) Efflux Pump in. *Molecules*, **2020**, 25,	4.8	1
18	Discovery of Potential, Dual-Active Histamine H Receptor Ligands with Combined Antioxidant Properties. *Molecules*, **2021**, 26,	4.8	1
17	Ameliorating effects of histamine H3 receptor antagonist E177 on acute pentylenetetrazole-induced memory impairments in rats. *Behavioural Brain Research*, **2021**, 405, 113193	3.4	1
16	Dual-targeting Approach on Histamine H and Sigma-1 Receptor Ligands as Promising Pharmacological Tools in the Treatment of CNS-linked Disorders. *Current Medicinal Chemistry*, **2021**, 28, 2974-2995	4.3	1
15	Eosinophils adhesion assay as a tool for phenotypic drug screening - The pharmacology of 1,3,5 - Triazine and 1H-indole like derivatives against the human histamine H receptor. *European Journal of Pharmacology*, **2021**, 890, 173611	5.3	1
14	Cyanobiphenyls: Novel H receptor ligands with cholinesterase and MAO B inhibitory activity as multitarget compounds for potential treatment of Alzheimer's disease. *Bioorganic Chemistry*, **2021**, 114, 105129	5.1	1
13	Metabolic benefits of novel histamine H receptor ligands in the model of excessive eating: The importance of intrinsic activity and pharmacokinetic properties. *Biomedicine and Pharmacotherapy*, **2021**, 142, 111952	7.5	1
12	Design, synthesis and structure-activity relationships of novel phenylalanine-based amino acids as kainate receptors ligands. *Bioorganic and Medicinal Chemistry Letters*, **2016**, 26, 5568-5572	2.9	0
11	Aryl- and heteroaryl-substituted phenylalanines as AMPA receptor ligands. *Chemical Biology and Drug Design*, **2017**, 90, 1271-1281	2.9	0
10	Pharmacological characterization and binding modes of novel racemic and optically active phenylalanine-based antagonists of AMPA receptors. *European Journal of Medicinal Chemistry*, **2017**, 138, 874-883	6.8	0
9	Techniques Used in Pharmacological Evaluation of Histamine H4 Receptor Function on Native Human Eosinophils. *Methods in Pharmacology and Toxicology*, **2017**, 209-232	1.1	
8	A Taxicab geometry quantification system to evaluate the performance of in silico methods: a case study on adenosine receptors ligands. *Journal of Computer-Aided Molecular Design*, **2020**, 34, 697-707	4.2	
7	Four- and five-coordinate copper(II) complexes with N-(4,4-diphenyl-5-oxo-4,5-dihydro-1H-imidazol-2-yl)glycine. *Acta Crystallographica Section C: Crystal Structure Communications*, **2008**, 64, m79-82		
6	Synthesis and Spectroscopic Properties of Fused 5-Arylidene-2-Thiohydantoin Derivatives. *Phosphorus, Sulfur and Silicon and the Related Elements*, **1993**, 75, 235-248	1	

5	Imidazoquinazolinodiones New Results. *Heterocycles*, **1999**, 51, 1597	0.8
4	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 **2020**, 15, e0229806	
3	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 **2020**, 15, e0229806	
2	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 **2020**, 15, e0229806	
1	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 **2020**, 15, e0229806	