

Kinga SaÅ,at

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7475084/publications.pdf>

Version: 2024-02-01

91
papers

2,021
citations

236612

25
h-index

301761

39
g-index

95
all docs

95
docs citations

95
times ranked

2840
citing authors

#	ARTICLE	IF	CITATIONS
1	An Overview of the Pharmacological Properties and Potential Applications of Natural Monoterpenes. Mini-Reviews in Medicinal Chemistry, 2015, 14, 1156-1168.	1.1	134
2	The Magic of Crystal Structure-Based Inhibitor Optimization: Development of a Butyrylcholinesterase Inhibitor with Picomolar Affinity and in Vivo Activity. Journal of Medicinal Chemistry, 2018, 61, 119-139.	2.9	112
3	Development of an in-vivo active reversible butyrylcholinesterase inhibitor. Scientific Reports, 2016, 6, 39495.	1.6	105
4	Chemotherapy-induced peripheral neuropathy: part 1â€”current state of knowledge and perspectives for pharmacotherapy. Pharmacological Reports, 2020, 72, 486-507.	1.5	68
5	Chemotherapy-induced peripheral neuropathyâ€”part 2: focus on the prevention of oxaliplatin-induced neurotoxicity. Pharmacological Reports, 2020, 72, 508-527.	1.5	66
6	Antinociceptive activity of transient receptor potential channel TRPV1, TRPA1, and TRPM8 antagonists in neurogenic and neuropathic pain models in mice. Journal of Zhejiang University: Science B, 2015, 16, 167-178.	1.3	65
7	Antidepressant-like effects of ketamine, norketamine and dehydronorketamine in forced swim test: Role of activity at NMDA receptor. Neuropharmacology, 2015, 99, 301-307.	2.0	61
8	Antiallodynic and antihyperalgesic activity of 3-[4-(3-trifluoromethyl-phenyl)-piperazin-1-yl]-dihydrofuran-2-one compared to pregabalin in chemotherapy-induced neuropathic pain in mice. Pharmacology Biochemistry and Behavior, 2014, 122, 173-181.	1.3	55
9	Anticonvulsant active inhibitor of GABA transporter subtype 1, tiagabine, with activity in mouse models of anxiety, pain and depression. Pharmacological Reports, 2015, 67, 465-472.	1.5	55
10	GABA transporters as targets for new drugs. Future Medicinal Chemistry, 2011, 3, 211-222.	1.1	46
11	Transient Receptor Potential Channels - Emerging Novel Drug Targets for the Treatment of Pain. Current Medicinal Chemistry, 2013, 20, 1409-1436.	1.2	46
12	Synthesis of new N-benzylpiperidine derivatives as cholinesterase inhibitors with β 2-amyloid anti-aggregation properties and beneficial effects on memory in vivo. Bioorganic and Medicinal Chemistry, 2015, 23, 2445-2457.	1.4	42
13	New investigational drugs for the treatment of neuropathic pain. Expert Opinion on Investigational Drugs, 2014, 23, 1093-1104.	1.9	37
14	The effect of GABA transporter 1 (GAT1) inhibitor, tiagabine, on scopolamine-induced memory impairments in mice. Pharmacological Reports, 2015, 67, 1155-1162.	1.5	37
15	Antinociceptive, antiallodynic and antihyperalgesic effects of the 5-HT1A receptor selective agonist, NLX-112 in mouse models of pain. Neuropharmacology, 2017, 125, 181-188.	2.0	35
16	Evaluation of antinociceptive and antioxidant properties of 3-[4-(3-trifluoromethyl-phenyl)-piperazin-1-yl]-dihydrofuran-2-one in mice. Naunyn-Schmiedeberg's Archives of Pharmacology, 2013, 386, 493-505.	1.4	34
17	Novel, highly potent and in vivo active inhibitor of GABA transporter subtype 1 with anticonvulsant, anxiolytic, antidepressant and antinociceptive properties. Neuropharmacology, 2017, 113, 331-342.	2.0	33
18	Antidepressant-like effects of scopolamine in mice are enhanced by the group II mGlu receptor antagonist LY341495. Neuropharmacology, 2016, 111, 169-179.	2.0	31

#	ARTICLE	IF	CITATIONS
19	Analgesic, anticonvulsant and antioxidant activities of 3-[4-(3-trifluoromethyl-phenyl)-piperazin-1-yl]-dihydrofuran-2-one dihydrochloride in mice. <i>Pharmacology Biochemistry and Behavior</i> , 2012, 101, 138-147.	1.3	29
20	Synthesis, antimicrobial and anticonvulsant screening of small library of tetrahydro-2H-thiopyran-4-yl based thiazoles and selenazoles. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2016, 31, 24-39.	2.5	28
21	Thiazoles with cyclopropyl fragment as antifungal, anticonvulsant, and anti-Toxoplasma gondii agents: synthesis, toxicity evaluation, and molecular docking study. <i>Medicinal Chemistry Research</i> , 2018, 27, 2125-2140.	1.1	28
22	Novel amide derivatives of 1,3-dimethyl-2,6-dioxopurin-7-yl-alkylcarboxylic acids as multifunctional TRPA1 antagonists and PDE4/7 inhibitors: A new approach for the treatment of pain. <i>European Journal of Medicinal Chemistry</i> , 2018, 158, 517-533.	2.6	27
23	Evaluation of anxiolytic-like, anticonvulsant, antidepressant-like and antinociceptive properties of new 2-substituted 4-hydroxybutanamides with affinity for GABA transporters in mice. <i>Pharmacology Biochemistry and Behavior</i> , 2013, 110, 145-153.	1.3	26
24	Synthesis and anticonvulsant activities of novel 2-(cyclopentylmethylene)hydrazinyl-1,3-thiazoles in mouse models of seizures. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2016, 31, 1576-1582.	2.5	25
25	Synthesis, and anticonvulsant activity of new amides derived from 3-methyl- or 3-ethyl-3-methyl-2,5-dioxo-pyrrolidin-1-yl-acetic acids. <i>Bioorganic and Medicinal Chemistry</i> , 2016, 24, 1598-1607.	1.4	25
26	Evaluation of cebranopadol, a dually acting nociceptin/orphanin FQ and opioid receptor agonist in mouse models of acute, tonic, and chemotherapy-induced neuropathic pain. <i>Inflammopharmacology</i> , 2018, 26, 361-374.	1.9	25
27	Nitrogen, oxygen or sulfur containing heterocyclic compounds as analgesic drugs used as modulators of the nitroxidative stress. <i>Mini-Reviews in Medicinal Chemistry</i> , 2013, 13, 335-52.	1.1	25
28	Zucapsaicin for the treatment of neuropathic pain. <i>Expert Opinion on Investigational Drugs</i> , 2014, 23, 1433-1440.	1.9	24
29	Recent advances in the neurobiology of posttraumatic stress disorder: A review of possible mechanisms underlying an effective pharmacotherapy. <i>Pharmacological Research</i> , 2019, 142, 30-49.	3.1	23
30	Synthesis and pharmacological properties of new GABA uptake inhibitors. <i>Pharmacological Reports</i> , 2012, 64, 817-833.	1.5	22
31	The application of support vector regression for prediction of the antiallostatic effect of drug combinations in the mouse model of streptozocin-induced diabetic neuropathy. <i>Computer Methods and Programs in Biomedicine</i> , 2013, 111, 330-337.	2.6	22
32	Anticonvulsant and antinociceptive activity of new amides derived from 3-phenyl-2,5-dioxo-pyrrolidine-1-yl-acetic acid in mice. <i>European Journal of Pharmacology</i> , 2016, 781, 239-249.	1.7	22
33	Comparison of the Psychopharmacological Effects of Tiletamine and Ketamine in Rodents. <i>Neurotoxicity Research</i> , 2017, 32, 544-554.	1.3	22
34	Analgesic activity of 3-mono-substituted derivatives of dihydrofuran-2-one in experimental rodent models of pain. <i>Pharmacological Reports</i> , 2009, 61, 807-818.	1.5	21
35	Evaluation of anticonvulsant and antinociceptive properties of new N-Mannich bases derived from pyrrolidine-2,5-dione and 3-methylpyrrolidine-2,5-dione. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2016, 389, 339-348.	1.4	20
36	Effect of pregabalin on contextual memory deficits and inflammatory state-related protein expression in streptozotocin-induced diabetic mice. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2016, 389, 613-623.	1.4	20

#	ARTICLE	IF	CITATIONS
37	Experimental Drugs for Neuropathic Pain. <i>Current Neuropharmacology</i> , 2018, 16, 1193-1209.	1.4	20
38	Potential role of selected antiepileptics used in neuropathic pain as human GABA transporter isoform 1 (GAT1) inhibitors—Molecular docking and pharmacodynamic studies. <i>European Journal of Pharmaceutical Sciences</i> , 2017, 96, 362-372.	1.9	19
39	Time-shifted co-administration of sub-analgesic doses of ambroxol and pregabalin attenuates oxaliplatin-induced cold allodynia in mice. <i>Biomedicine and Pharmacotherapy</i> , 2018, 106, 930-940.	2.5	19
40	Cebranopadol: a first-in-class potent analgesic agent with agonistic activity at nociceptin/orphanin FQ and opioid receptors. <i>Expert Opinion on Investigational Drugs</i> , 2015, 24, 837-844.	1.9	18
41	Synthesis, biological evaluation and structure—activity relationship of new GABA uptake inhibitors, derivatives of 4-aminobutanamides. <i>European Journal of Medicinal Chemistry</i> , 2014, 83, 256-273.	2.6	17
42	Dopamine D2/D3 receptor agonists attenuate PTSD-like symptoms in mice exposed to single prolonged stress. <i>Neuropharmacology</i> , 2019, 155, 1-9.	2.0	17
43	Structure-activity relationship study of tryptophan-based butyrylcholinesterase inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2020, 208, 112766.	2.6	17
44	Analgesic, antioedematous and antioxidant activity of β -butyrolactone derivatives in rodents. <i>Behavioural Pharmacology</i> , 2012, 23, 407-416.	0.8	16
45	Evaluation of analgesic, antioxidant, cytotoxic and metabolic effects of pregabalin for the use in neuropathic pain. <i>Neurological Research</i> , 2013, 35, 948-958.	0.6	16
46	Phencyclidine and Scopolamine for Modeling Amnesia in Rodents: Direct Comparison with the Use of Barnes Maze Test and Contextual Fear Conditioning Test in Mice. <i>Neurotoxicity Research</i> , 2018, 34, 431-441.	1.3	16
47	The potential antidepressant action and adverse effects profile of scopolamine co-administered with the mGlu7 receptor allosteric agonist AMN082 in mice. <i>Neuropharmacology</i> , 2018, 141, 214-222.	2.0	16
48	Analgesic and anticonvulsant activity of new derivatives of 2-substituted 4-hydroxybutanamides in mice. <i>Pharmacological Reports</i> , 2012, 64, 102-112.	1.5	15
49	Enhanced pharmacological efficacy of sumatriptan due to modification of its physicochemical properties by inclusion in selected cyclodextrins. <i>Scientific Reports</i> , 2018, 8, 16184.	1.6	15
50	Searching for analgesic drug candidates alleviating oxaliplatin—induced cold hypersensitivity in mice. <i>Chemical Biology and Drug Design</i> , 2019, 93, 1061-1072.	1.5	15
51	2-Substituted 4-hydroxybutanamides as potential inhibitors of β -aminobutyric acid transporters mGAT1—mGAT4: Synthesis and biological evaluation. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 5154-5167.	1.4	14
52	Antinociceptive properties of N-Mannich bases derived from 3-substituted pyrrolidine-2,5-dione in the formalin model of persistent pain in mice. <i>Pharmacological Reports</i> , 2015, 67, 63-68.	1.5	14
53	Antidepressant-like activity of venlafaxine and clonidine in mice exposed to single prolonged stress — A model of post-traumatic stress disorder. Pharmacodynamic and molecular docking studies. <i>Brain Research</i> , 2017, 1673, 1-10.	1.1	14
54	Interventional and preventive effects of aripiprazole and ceftriaxone used alone or in combination on oxaliplatin-induced tactile and cold allodynia in mice. <i>Biomedicine and Pharmacotherapy</i> , 2019, 111, 882-890.	2.5	14

#	ARTICLE	IF	CITATIONS
55	Comparison of pro-amnesic efficacy of scopolamine, biperiden, and phencyclidine by using passive avoidance task in CD-1 mice. <i>Journal of Pharmacological and Toxicological Methods</i> , 2017, 86, 76-80.	0.3	13
56	Search for multifunctional agents against Alzheimer's disease among non-imidazole histamine H3 receptor ligands. In vitro and in vivo pharmacological evaluation and computational studies of piperazine derivatives. <i>Bioorganic Chemistry</i> , 2019, 90, 103084.	2.0	13
57	Development and crystallography-aided SAR studies of multifunctional BuChE inhibitors and 5-HT6R antagonists with β -amyloid anti-aggregation properties. <i>European Journal of Medicinal Chemistry</i> , 2021, 225, 113792.	2.6	13
58	Search for anticonvulsant and analgesic active derivatives of dihydrofuran-2(3H)-one. <i>Bioorganic and Medicinal Chemistry</i> , 2012, 20, 6533-6544.	1.4	12
59	The Microglial Activation Inhibitor Minocycline, Used Alone and in Combination with Duloxetine, Attenuates Pain Caused by Oxaliplatin in Mice. <i>Molecules</i> , 2021, 26, 3577.	1.7	12
60	Novel mouse GABA uptake inhibitors with enhanced inhibitory activity toward mGAT3/4 and their effect on pain threshold in mice. <i>European Journal of Medicinal Chemistry</i> , 2020, 188, 111920.	2.6	11
61	Serotonergic Neurotransmission System Modulator, Vortioxetine, and Dopaminergic D2/D3 Receptor Agonist, Ropinirole, Attenuate Fibromyalgia-Like Symptoms in Mice. <i>Molecules</i> , 2021, 26, 2398.	1.7	10
62	Acute cold allodynia induced by oxaliplatin is attenuated by amitriptyline. <i>Acta Neurobiologiae Experimentalis</i> , 2018, 78, 315-321.	0.4	10
63	Comparison of Bromhexine and its Active Metabolite - Ambroxol as Potential Analgesics Reducing Oxaliplatin-induced Neuropathic Pain - Pharmacodynamic and Molecular Docking Studies. <i>Current Drug Metabolism</i> , 2020, 21, 548-561.	0.7	10
64	New approach to predicting proconvulsant activity with the use of Support Vector Regression. <i>Computers in Biology and Medicine</i> , 2012, 42, 575-581.	3.9	7
65	Modeling analgesic drug interactions using support vector regression: A new approach to isobolographic analysis. <i>Journal of Pharmacological and Toxicological Methods</i> , 2015, 71, 95-102.	0.3	7
66	Antinociceptive activity of novel amide derivatives of imidazolidine-2,4-dione in a mouse model of acute pain. <i>Pharmacological Reports</i> , 2016, 68, 529-535.	1.5	7
67	Synthesis and activity of di- or trisubstituted N-(phenoxyalkyl)- or N-{2-[2-(phenoxy)ethoxy]ethyl}piperazine derivatives on the central nervous system. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2018, 28, 2039-2049.	1.0	7
68	Studies on the Activity of Selected Highly Lipophilic Compounds toward hGAT1 Inhibition. Part II. <i>ACS Chemical Neuroscience</i> , 2019, 10, 337-347.	1.7	7
69	Synthesis, biological evaluation and molecular docking studies of novel quinuclidinone derivatives as potential antimicrobial and anticonvulsant agents. <i>Medicinal Chemistry Research</i> , 2017, 26, 2088-2104.	1.1	7
70	Docking and pharmacodynamic studies on hGAT1 inhibition activity in the presence of selected neuronal and astrocytic inhibitors. Part I. <i>Journal of Molecular Graphics and Modelling</i> , 2018, 85, 171-181.	1.3	6
71	Novel Functionalized Amino Acids as Inhibitors of GABA Transporters with Analgesic Activity. <i>ACS Chemical Neuroscience</i> , 2021, 12, 3073-3100.	1.7	6
72	Development of tricyclic N-benzyl-4-hydroxybutanamide derivatives as inhibitors of GABA transporters mGAT1-4 with anticonvulsant, antinociceptive, and antidepressant activity. <i>European Journal of Medicinal Chemistry</i> , 2021, 221, 113512.	2.6	6

#	ARTICLE	IF	CITATIONS
73	3-[4-(3-Trifluoromethyl-phenyl)-piperazin-1-yl]-dihydrofuran-2-one and pregabalin attenuate tactile allodynia in the mouse model of chronic constriction injury. <i>Toxicology Mechanisms and Methods</i> , 2015, 25, 514-523.	1.3	5
74	Effect of pregabalin on fear-based conditioned avoidance learning and spatial learning in a mouse model of scopolamine-induced amnesia. <i>Toxicology Mechanisms and Methods</i> , 2017, 27, 181-190.	1.3	5
75	Search for new potential anticonvulsants with anxiolytic and antidepressant properties among derivatives of 4,4-diphenylpyrrolidin-2-one. <i>Pharmacological Reports</i> , 2017, 69, 105-111.	1.5	5
76	Synthesis and pharmacological evaluation of novel N-Mannich bases derived from 5,5-diphenyl and 5,5-di(propan-2-yl)imidazolidine-2,4-dione core. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2019, 29, 2387-2392.	1.0	5
77	The Inclusion of Tolfenamic Acid into Cyclodextrins Stimulated by Microenvironmental pH Modification as a Way to Increase the Anti-Migraine Effect. <i>Journal of Pain Research</i> , 2021, Volume 14, 981-992.	0.8	5
78	KM-416, a novel phenoxyalkylaminoalkanol derivative with anticonvulsant properties exerts analgesic, local anesthetic, and antidepressant-like activities. Pharmacodynamic, pharmacokinetic, and forced degradation studies. <i>European Journal of Pharmacology</i> , 2020, 886, 173540.	1.7	5
79	Anticonvulsant and analgesic in neuropathic pain activity in a group of new aminoalkanol derivatives. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2020, 30, 127325.	1.0	4
80	Synthesis, anticonvulsant, and antinociceptive activity of new 3-(3-(3-methyl-2,5-dioxo-3-phenylpyrrolidin-1-yl)propanamides and 3-phenylbutanamides. <i>Archiv Der Pharmazie</i> , 2021, 354, e2000225.		
81	Sex, Pramipexole and Tiagabine Affect Behavioral and Hormonal Response to Traumatic Stress in a Mouse Model of PTSD. <i>Frontiers in Pharmacology</i> , 2021, 12, 691598.	1.6	4
82	Antiepileptic Drug Tiagabine Does Not Directly Target Key Cardiac Ion Channels Kv11.1, Nav1.5 and Cav1.2. <i>Molecules</i> , 2021, 26, 3522.	1.7	4
83	Phenylalanine-Based AMPA Receptor Antagonist as the Anticonvulsant Agent with Neuroprotective Activity in In Vitro and In Vivo Studies. <i>Molecules</i> , 2022, 27, 875.	1.7	4
84	Nitrogen, Oxygen or Sulfur Containing Heterocyclic Compounds as Analgesic Drugs Used as Modulators of the Nitroxidative Stress. <i>Mini-Reviews in Medicinal Chemistry</i> , 2013, 13, 335-352.	1.1	3
85	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 some in vitro and in vivo assays. <i>Toxicology Mechanisms and Methods</i> , 2014, 24, 204-211.	1.3	3
86	Influence of new gamma-hydroxybutyric acid amide analogues on the central nervous system activity in mice. <i>Polish Journal of Pharmacology</i> , 2002, 54, 731-6.	0.3	3
87	Acute cold allodynia induced by oxaliplatin is attenuated by amitriptyline. <i>Acta Neurobiologiae Experimentalis</i> , 2018, 78, 315-321.	0.4	3
88	The anxiolytic-like activity of a novel N-cycloalkyl-N-benzoylpiperazine derivative. <i>Pharmacological Reports</i> , 2016, 68, 62-65.	1.5	2
89	Effect of selected drugs on zinc accumulation in teeth of laboratory animals. <i>Pharmacological Reports</i> , 2018, 70, 684-687.	1.5	2
90	Wide-Range Measurement of Thermal Preference – A Novel Method for Detecting Analgesics Reducing Thermally-Evoked Pain in Mice. <i>Molecules</i> , 2021, 26, 612.	1.7	2

#	ARTICLE	IF	CITATIONS
91	Behavioral effects of buspirone in a mouse model of posttraumatic stress disorder. Behavioural Brain Research, 2020, 381, 112380.	1.2	1