Kinga SaÅ‚at

List of Publications by Year
in descending order

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91 papers	2,021 citations	236925 25 h-index	302126 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.	2.4	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.	6.4	112
3	Development of an in-vivo active reversible butyrylcholinesterase inhibitor. Scientific Reports, 2016, 6, 39495.	3.3	105
4	Chemotherapy-induced peripheral neuropathy: part 1â€"current state of knowledge and perspectives for pharmacotherapy. Pharmacological Reports, 2020, 72, 486-507.	3.3	68
5	Chemotherapy-induced peripheral neuropathyâ€"part 2: focus on the prevention of oxaliplatin-induced neurotoxicity. Pharmacological Reports, 2020, 72, 508-527.	3.3	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.	2.8	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.	4.1	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.	2.9	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.	3.3	55
10	GABA transporters as targets for new drugs. Future Medicinal Chemistry, 2011, 3, 211-222.	2.3	46
11	Transient Receptor Potential Channels - Emerging Novel Drug Targets for the Treatment of Pain. Current Medicinal Chemistry, 2013, 20, 1409-1436.	2.4	46
12	Synthesis of new N-benzylpiperidine derivatives as cholinesterase inhibitors with Î²-amyloid anti-aggregation properties and beneficial effects on memory in vivo. Bioorganic and Medicinal Chemistry, 2015, 23, 2445-2457.	3.0	42
13	New investigational drugs for the treatment of neuropathic pain. Expert Opinion on Investigational Drugs, 2014, 23, 1093-1104.	4.1	37
14	The effect of GABA transporter 1 (GAT1) inhibitor, tiagabine, on scopolamine-induced memory impairments in mice. Pharmacological Reports, 2015, 67, 1155-1162.	3.3	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.	4.1	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.	3.0	34
17	Novel, highly potent and inÂvivo active inhibitor of GABA transporter subtype 1 with anticonvulsant, anxiolytic, antidepressant and antinociceptive properties. Neuropharmacology, 2017, 113, 331-342.	4.1	33
18	Antidepressant-like effects of scopolamine in mice are enhanced by the group II mGlu receptor antagonist LY341495. Neuropharmacology, 2016, 111, 169-179.	4.1	31

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19	Analgesic, anticonvulsant and antioxidant activities of 3-[4-(3-trifluoromethyl-phenyl)-piperazin-1-yl]-dihydrofuran-2-one dihydrochloride in mice. Pharmacology Biochemistry and Behavior, 2012, 101, 138-147.	2.9	29
20	Synthesis, antimicrobial and anticonvulsant screening of small library of tetrahydro-2H-thiopyran-4-yl based thiazoles and selenazoles. Journal of Enzyme Inhibition and Medicinal Chemistry, 2016, 31, 24-39.	5.2	28
21	Thiazoles with cyclopropyl fragment as antifungal, anticonvulsant, and anti-Toxoplasma gondii agents: synthesis, toxicity evaluation, and molecular docking study. Medicinal Chemistry Research, 2018, 27, 2125-2140.	2.4	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. European Journal of Medicinal Chemistry, 2018, 158, 517-533.	5.5	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. Pharmacology Biochemistry and Behavior, 2013, 110, 145-153.	2.9	26
24	Synthesis and anticonvulsant activities of novel 2-(cyclopentylmethylene)hydrazinyl-1,3-thiazoles in mouse models of seizures. Journal of Enzyme Inhibition and Medicinal Chemistry, 2016, 31, 1576-1582.	5.2	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. Bioorganic and Medicinal Chemistry, 2016, 24, 1598-1607.	3.0	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. Inflammopharmacology, 2018, 26, 361-374.	3.9	25
27	Nitrogen, oxygen or sulfur containing heterocyclic compounds as analgesic drugs used as modulators of the nitroxidative stress. Mini-Reviews in Medicinal Chemistry, 2013, 13, 335-52.	2.4	25
28	Zucapsaicin for the treatment of neuropathic pain. Expert Opinion on Investigational Drugs, 2014, 23, 1433-1440.	4.1	24
29	Recent advances in the neurobiology of posttraumatic stress disorder: A review of possible mechanisms underlying an effective pharmacotherapy. Pharmacological Research, 2019, 142, 30-49.	7.1	23
30	Synthesis and pharmacological properties of new GABA uptake inhibitors. Pharmacological Reports, 2012, 64, 817-833.	3.3	22
31	The application of support vector regression for prediction of the antiallodynic effect of drug combinations in the mouse model of streptozocin-induced diabetic neuropathy. Computer Methods and Programs in Biomedicine, 2013, 111, 330-337.	4.7	22
32	Anticonvulsant and antinociceptive activity of new amides derived from 3-phenyl-2,5-dioxo-pyrrolidine-1-yl-acetic acid in mice. European Journal of Pharmacology, 2016, 781, 239-249.	3.5	22
33	Comparison of the Psychopharmacological Effects of Tiletamine and Ketamine in Rodents. Neurotoxicity Research, 2017, 32, 544-554.	2.7	22
34	Analgesic activity of 3-mono-substituted derivatives of dihydrofuran-2-one in experimental rodent models of pain. Pharmacological Reports, 2009, 61, 807-818.	3.3	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. Naunyn-Schmiedeberg's Archives of Pharmacology, 2016, 389, 339-348.	3.0	20
36	Effect of pregabalin on contextual memory deficits and inflammatory state-related protein expression in streptozotocin-induced diabetic mice. Naunyn-Schmiedeberg's Archives of Pharmacology, 2016, 389, 613-623.	3.0	20

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37	Experimental Drugs for Neuropathic Pain. Current Neuropharmacology, 2018, 16, 1193-1209.	2.9	20
38	Potential role of selected antiepileptics used in neuropathic pain as human GABA transporter isoform 1 (GAT1) inhibitorsâ€"Molecular docking and pharmacodynamic studies. European Journal of Pharmaceutical Sciences, 2017, 96, 362-372.	4.0	19
39	Time-shifted co-administration of sub-analgesic doses of ambroxol and pregabalin attenuates oxaliplatin-induced cold allodynia in mice. Biomedicine and Pharmacotherapy, 2018, 106, 930-940.	5.6	19
40	Cebranopadol: a first-in-class potent analgesic agent with agonistic activity at nociceptin/orphanin FQ and opioid receptors. Expert Opinion on Investigational Drugs, 2015, 24, 837-844.	4.1	18
41	Synthesis, biological evaluation and structureâ€"activity relationship of new GABA uptake inhibitors, derivatives of 4-aminobutanamides. European Journal of Medicinal Chemistry, 2014, 83, 256-273.	5.5	17
42	Dopamine D2/D3 receptor agonists attenuate PTSD-like symptoms in mice exposed to single prolonged stress. Neuropharmacology, 2019, 155, 1-9.	4.1	17
43	Structure-activity relationship study of tryptophan-based butyrylcholinesterase inhibitors. European Journal of Medicinal Chemistry, 2020, 208, 112766.	5.5	17
44	Analgesic, antioedematous and antioxidant activity of Î³-butyrolactone derivatives in rodents. Behavioural Pharmacology, 2012, 23, 407-416.	1.7	16
45	Evaluation of analgesic, antioxidant, cytotoxic and metabolic effects of pregabalin for the use in neuropathic pain. Neurological Research, 2013, 35, 948-958.	1.3	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. Neurotoxicity Research, 2018, 34, 431-441.	2.7	16
47	The potential antidepressant action and adverse effects profile of scopolamine co-administered with the mGlu7 receptor allosteric agonist AMN082 in mice. Neuropharmacology, 2018, 141, 214-222.	4.1	16
48	Analgesic and anticonvulsant activity of new derivatives of 2-substituted 4-hydroxybutanamides in mice. Pharmacological Reports, 2012, 64, 102-112.	3.3	15
49	Enhanced pharmacological efficacy of sumatriptan due to modification of its physicochemical properties by inclusion in selected cyclodextrins. Scientific Reports, 2018, 8, 16184.	3.3	15
50	Searching for analgesic drug candidates alleviating oxaliplatinâ€induced cold hypersensitivity in mice. Chemical Biology and Drug Design, 2019, 93, 1061-1072.	3.2	15
51	2-Substituted 4-hydroxybutanamides as potential inhibitors of Î³-aminobutyric acid transporters mGAT1â€"mGAT4: Synthesis and biological evaluation. Bioorganic and Medicinal Chemistry, 2013, 21, 5154-5167.	3.0	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. Pharmacological Reports, 2015, 67, 63-68.	3.3	14
53	Antidepressant-like activity of venlafaxine and clonidine in mice exposed to single prolonged stress â€" A model of post-traumatic stress disorder. Pharmacodynamic and molecular docking studies. Brain Research, 2017, 1673, 1-10.	2.2	14
54	Interventional and preventive effects of aripiprazole and ceftriaxone used alone or in combination on oxaliplatin-induced tactile and cold allodynia in mice. Biomedicine and Pharmacotherapy, 2019, 111, 882-890.	5.6	14

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55	Comparison of pro-amnesic efficacy of scopolamine, biperiden, and phencyclidine by using passive avoidance task in CD-1 mice. Journal of Pharmacological and Toxicological Methods, 2017, 86, 76-80.	0.7	13
56	Search for multifunctional agents against Alzheimerâ€™s disease among non-imidazole histamine H3 receptor ligands. In vitro and in vivo pharmacological evaluation and computational studies of piperazine derivatives. Bioorganic Chemistry, 2019, 90, 103084.	4.1	13
57	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.	5.5	13
58	Search for anticonvulsant and analgesic active derivatives of dihydrofuran-2(3H)-one. Bioorganic and Medicinal Chemistry, 2012, 20, 6533-6544.	3.0	12
59	The Microglial Activation Inhibitor Minocycline, Used Alone and in Combination with Duloxetine, Attenuates Pain Caused by Oxaliplatin in Mice. Molecules, 2021, 26, 3577.	3.8	12
60	Novel mouse GABA uptake inhibitors with enhanced inhibitory activity toward mGAT3/4 and their effect on pain threshold in mice. European Journal of Medicinal Chemistry, 2020, 188, 111920.	5.5	11
61	Serotonergic Neurotransmission System Modulator, Vortioxetine, and Dopaminergic D2/D3 Receptor Agonist, Ropinirole, Attenuate Fibromyalgia-Like Symptoms in Mice. Molecules, 2021, 26, 2398.	3.8	10
62	Acute cold allodynia induced by oxaliplatin is attenuated by amitriptyline. Acta Neurobiologiae Experimentalis, 2018, 78, 315-321.	0.7	10
63	Comparison of Bromhexine and its Active Metabolite - Ambroxol as Potential Analgesics Reducing Oxaliplatin-induced Neuropathic Pain - Pharmacodynamic and Molecular Docking Studies. Current Drug Metabolism, 2020, 21, 548-561.	1.2	10
64	New approach to predicting proconvulsant activity with the use of Support Vector Regression. Computers in Biology and Medicine, 2012, 42, 575-581.	7.0	7
65	Modeling analgesic drug interactions using support vector regression: A new approach to isobolographic analysis. Journal of Pharmacological and Toxicological Methods, 2015, 71, 95-102.	0.7	7
66	Antinociceptive activity of novel amide derivatives of imidazolidine-2,4-dione in a mouse model of acute pain. Pharmacological Reports, 2016, 68, 529-535.	3.3	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. Bioorganic and Medicinal Chemistry Letters, 2018, 28, 2039-2049.	2.2	7
68	Studies on the Activity of Selected Highly Lipophilic Compounds toward hGAT1 Inhibition. Part II. ACS Chemical Neuroscience, 2019, 10, 337-347.	3.5	7
69	Synthesis, biological evaluation and molecular docking studies of novel quinuclidinone derivatives as potential antimicrobial and anticonvulsant agents. Medicinal Chemistry Research, 2017, 26, 2088-2104.	2.4	7
70	Docking and pharmacodynamic studies on hGAT1 inhibition activity in the presence of selected neuronal and astrocytic inhibitors. Part I. Journal of Molecular Graphics and Modelling, 2018, 85, 171-181.	2.4	6
71	Novel Functionalized Amino Acids as Inhibitors of GABA Transporters with Analgesic Activity. ACS Chemical Neuroscience, 2021, 12, 3073-3100.	3.5	6
72	Development of tricyclic N-benzyl-4-hydroxybutanamide derivatives as inhibitors of GABA transporters mGAT1-4 with anticonvulsant, antinociceptive, and antidepressant activity. European Journal of Medicinal Chemistry, 2021, 221, 113512.	5.5	6

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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. Toxicology Mechanisms and Methods, 2015, 25, 514-523.	2.7	5
74	Effect of pregabalin on fear-based conditioned avoidance learning and spatial learning in a mouse model of scopolamine-induced amnesia. Toxicology Mechanisms and Methods, 2017, 27, 181-190.	2.7	5
75	Search for new potential anticonvulsants with anxiolytic and antidepressant properties among derivatives of 4,4-diphenylpyrrolidin-2-one. Pharmacological Reports, 2017, 69, 105-111.	3.3	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. Bioorganic and Medicinal Chemistry Letters, 2019, 29, 2387-2392.	2.2	5
77	The Inclusion of Tolfenamic Acid into Cyclodextrins Stimulated by Microenvironmental pH Modification as a Way to Increase the Anti-Migraine Effect. Journal of Pain Research, 2021, Volume 14, 981-992.	2.0	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. European Journal of Pharmacology, 2020, 886, 173540.	3.5	5
79	Anticonvulsant and analgesic in neuropathic pain activity in a group of new aminoalkanol derivatives. Bioorganic and Medicinal Chemistry Letters, 2020, 30, 127325.	2.2	4
80	Synthesis, anticonvulsant, and antinociceptive activity of new 3â€(3â€methylâ€2,5â€dioxoâ€3â€phenylpyrrolidinâ€1â€yl)propanamides and 3â€phenylâ€butanamides. Archiv Der Pharmazie, 2021, 354, e2000225.	4.1	4
81	Sex, Pramipexole and Tiagabine Affect Behavioral and Hormonal Response to Traumatic Stress in a Mouse Model of PTSD. Frontiers in Pharmacology, 2021, 12, 691598.	3.5	4
82	Antiepileptic Drug Tiagabine Does Not Directly Target Key Cardiac Ion Channels Kv11.1, Nav1.5 and Cav1.2. Molecules, 2021, 26, 3522.	3.8	4
83	Phenylalanine-Based AMPA Receptor Antagonist as the Anticonvulsant Agent with Neuroprotective Activityâ€”In Vitro and In Vivo Studies. Molecules, 2022, 27, 875.	3.8	4
84	Nitrogen, Oxygen or Sulfur Containing Heterocyclic Compounds as Analgesic Drugs Used as Modulators of the Nitroxidative Stress. Mini-Reviews in Medicinal Chemistry, 2013, 13, 335-352.	2.4	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 somein vitroandex vivoassays. Toxicology Mechanisms and Methods, 2014, 24, 204-211.	2.7	3
86	Influence of new gamma-hydroxybutyric acid amide analogues on the central nervous system activity in mice. Polish Journal of Pharmacology, 2002, 54, 731-6.	0.3	3
87	Acute cold allodynia induced by oxaliplatin is attenuated by amitriptyline. Acta Neurobiologiae Experimentalis, 2018, 78, 315-321.	0.7	3
88	The anxiolytic-like activity of a novel N-cycloalkyl-N-benzoylpiperazine derivative. Pharmacological Reports, 2016, 68, 62-65.	3.3	2
89	Effect of selected drugs on zinc accumulation in teeth of laboratory animals. Pharmacological Reports, 2018, 70, 684-687.	3.3	2
90	Wide-Range Measurement of Thermal Preferenceâ€”A Novel Method for Detecting Analgesics Reducing Thermally-Evoked Pain in Mice. Molecules, 2021, 26, 612.	3.8	2

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91	Behavioral effects of buspirone in a mouse model of posttraumatic stress disorder. Behavioural Brain Research, 2020, 381, 112380.	2.2	1