Kristoffer Sahlholm

List of Publications by Year
in descending order

43	860	471509 17	501196 28
papers	citations	h-index	g-index

44	44	44	1181
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Facilitated Anion Transport Induces Hyperpolarization of the Cell Membrane That Triggers Differentiation and Cell Death in Cancer Stem Cells. Journal of the American Chemical Society, 2015, 137, 15892-15898.	13.7	109
2	The dopamine stabilizers ACR16 and (â^')-OSU6162 display nanomolar affinities at the Ïƒ-1 receptor. Molecular Psychiatry, 2013, 18, 12-14.	7.9	70
3	Pridopidine selectively occupies sigma-1 rather than dopamine D2 receptors at behaviorally active doses. Psychopharmacology, 2015, 232, 3443-3453.	3.1	55
4	Evidence for oligomerization between GABA_B receptors and GIRK channels containing the GIRK1 and GIRK3 subunits. European Journal of Neuroscience, 2010, 32, 1265-1277.	2.6	52
5	The fast-off hypothesis revisited: A functional kinetic study of antipsychotic antagonism of the dopamine D2 receptor. European Neuropsychopharmacology, 2016, 26, 467-476.	0.7	38
6	A Neanderthal Sodium Channel Increases Pain Sensitivity in Present-Day Humans. Current Biology, 2020, 30, 3465-3469.e4.	3.9	33
7	Agonist-specific voltage sensitivity at the dopamine D2S receptor â€“ Molecular determinants and relevance to therapeutic ligands. Neuropharmacology, 2011, 61, 937-949.	4.1	31
8	Voltageâ€dependence of the human dopamine D₂ receptor. Synapse, 2008, 62, 476-480.	1.2	29
9	Antipsychotic-Like Efficacy of Dopamine D2 Receptor-Biased Ligands is Dependent on Adenosine A2A Receptor Expression. Molecular Neurobiology, 2018, 55, 4952-4958.	4.0	28
10	Highly Selective Dopamine D₃ Receptor Antagonists with Arylated Diazaspiro Alkane Cores. Journal of Medicinal Chemistry, 2017, 60, 9905-9910.	6.4	27
11	Behavioral control by striatal adenosine A_{2A}â€dopamine D₂ receptor heteromers. Genes, Brain and Behavior, 2018, 17, e12432.	2.2	27
12	A truncated Kv1.1 protein in the brain of the megencephaly mouse: expression and interaction. BMC Neuroscience, 2005, 6, 65.	1.9	25
13	Cocaine produces D2R-mediated conformational changes in the adenosine A2AR-dopamine D2R heteromer. Biochemical and Biophysical Research Communications, 2010, 394, 988-992.	2.1	25
14	Decreased striatal adenosine A2A-dopamine D2 receptor heteromerization in schizophrenia. Neuropsychopharmacology, 2021, 46, 665-672.	5.4	24
15	Voltage-sensitivity at the human dopamine D2S receptor is agonist-specific. Biochemical and Biophysical Research Communications, 2008, 377, 1216-1221.	2.1	23
16	Differential voltage-sensitivity of D2-like dopamine receptors. Biochemical and Biophysical Research Communications, 2008, 374, 496-501.	2.1	20
17	Voltage sensitivities and deactivation kinetics of histamine H3 and H4 receptors. Biochimica Et Biophysica Acta - Biomembranes, 2012, 1818, 3081-3089.	2.6	19
18	G Protein-Gated Inwardly Rectifying Potassium Channel Subunits 1 and 2 are Down-Regulated in Rat Dorsal Root Ganglion Neurons and Spinal Cord after Peripheral Axotomy. Molecular Pain, 2015, 11, s12990-015-0044.	2.1	18

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19	Typical and atypical antipsychotics do not differ markedly in their reversibility of antagonism of the dopamine D2 receptor. International Journal of Neuropsychopharmacology, 2014, 17, 149-155.	2.1	16
20	Sigma-2 receptor binding is decreased in female, but not male, APP/PS1 mice. Biochemical and Biophysical Research Communications, 2015, 460, 439-445.	2.1	16
21	The Beta-Arrestin-Biased Dopamine D2 Receptor Ligand, UNC9994, Is a Partial Agonist at G-Protein-Mediated Potassium Channel Activation. International Journal of Neuropsychopharmacology, 2018, 21, 1102-1108.	2.1	15
22	Leveraging a Low-Affinity Diazaspiro Orthosteric Fragment to Reduce Dopamine D₃ Receptor (D₃R) Ligand Promiscuity across Highly Conserved Aminergic G-Protein-Coupled Receptors (GPCRs). Journal of Medicinal Chemistry, 2019, 62, 5132-5147.	6.4	15
23	Remote local photoactivation of morphine produces analgesia without opioidâ€related adverse effects. British Journal of Pharmacology, 2023, 180, 958-974.	5.4	15
24	Voltage-Dependent Dopamine Potency at D1-Like Dopamine Receptors. Frontiers in Pharmacology, 2020, 11, 581151.	3.5	12
25	The human histamine H3 receptor couples to GIRK channels in Xenopus oocytes. European Journal of Pharmacology, 2007, 567, 206-210.	3.5	11
26	Point mutation of a conserved aspartate, D69, in the muscarinic M 2 Âreceptor does not modify voltage-sensitive agonist potency. Biochemical and Biophysical Research Communications, 2018, 496, 101-104.	2.1	10
27	Inhibition of Tryptophan Hydroxylases and Monoamine Oxidase-A by the Proton Pump Inhibitor, Omeprazoleâ€"In Vitro and In Vivo Investigations. Frontiers in Pharmacology, 2020, 11, 593416.	3.5	10
28	Discovery and biological characterization of a novel scaffold for potent inhibitors of peripheral serotonin synthesis. Future Medicinal Chemistry, 2020, 12, 1461-1474.	2.3	10
29	V374A KCND3 Pathogenic Variant Associated With Paroxysmal Ataxia Exacerbations. Neurology: Genetics, 2021, 7, e546.	1.9	10
30	Pridopidine Reverses Phencyclidine-Induced Memory Impairment. Frontiers in Pharmacology, 2018, 9, 338.	3.5	9
31	The role of RGS protein in agonist-dependent relaxation of GIRK currents in Xenopus oocytes. Biochemical and Biophysical Research Communications, 2011, 415, 509-514.	2.1	8
32	Ligand with Two Modes of Interaction with the Dopamine D₂ Receptorâ€"An Induced-Fit Mechanism of Insurmountable Antagonism. ACS Chemical Neuroscience, 2020, 11, 3130-3143.	3.5	8
33	Mechanistic insights into dopaminergic and serotonergic neurotransmission â€" concerted interactions with helices 5 and 6 drive the functional outcome. Chemical Science, 2021, 12, 10990-11003.	7.4	7
34	Antipsychotics with similar association kinetics at dopamine D2 receptors differ in extrapyramidal side-effects. Nature Communications, 2018, 9, 3577.	12.8	6
35	Interaction of Ligands for PET with the Dopamine D3 Receptor: In Silico and In Vitro Methods. Biomolecules, 2021, 11, 529.	4.0	6
36	Dopamine D2 Receptor Agonist Binding Kineticsâ€"Role of a Conserved Serine Residue. International Journal of Molecular Sciences, 2021, 22, 4078.	4.1	5

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37	The role of beta-arrestin2 in shaping fMRI BOLD responses to dopaminergic stimulation. Psychopharmacology, 2017, 234, 2019-2030.	3.1	4
38	Electrophysiology-based analysis of human histamine H4 receptor pharmacology using GIRK channel coupling in Xenopus oocytes. European Journal of Pharmacology, 2008, 591, 52-58.	3.5	3
39	Effects of the Dopamine Stabilizer, Pridopidine, on Basal and Phencyclidine-Induced Locomotion: Role of Dopamine D2 and Sigma-1 Receptors. CNS and Neurological Disorders - Drug Targets, 2018, 17, 522-527.	1.4	3
40	G proteinâ€coupled receptor kinaseâ€2 confers isoformâ€specific calcium sensitivity to dopamine D ₂ receptor desensitization. FASEB Journal, 2021, 35, e22013.	0.5	3
41	Dopamine receptor heteromers: biasing antipsychotics. Future Medicinal Chemistry, 2018, 10, 2675-2677.	2.3	2
42	Synthetic corticosteroids as tryptophan hydroxylase stabilizers. Future Medicinal Chemistry, 2021, 13, 1465-1474.	2.3	2
43	Evidence for Two Modes of Binding of the Negative Allosteric Modulator SB269,652 to the Dopamine D2 Receptor. Biomedicines, 2022, 10, 22.	3.2	1