

Alban de Kerchove d Exaerde

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

52
papers

3,107
citations

27
h-index

55
g-index

62
ext. papers

3,541
ext. citations

7.7
avg, IF

4.81
L-index

#	Paper	IF	Citations
52	Engineered Wnt ligands enable blood-brain barrier repair in neurological disorders.. <i>Science</i> , 2022 , 375, eabm4459	33.3	5
51	Regulation of GluA1 phosphorylation by d-amphetamine and methylphenidate in the cerebellum. <i>Addiction Biology</i> , 2021 , 26, e12995	4.6	0
50	Thalamo-Nucleus Accumbens Projections in Motivated Behaviors and Addiction. <i>Frontiers in Systems Neuroscience</i> , 2021 , 15, 711350	3.5	4
49	The Effect of Serotonin Receptor 5-HT1B on Lateral Inhibition between Spiny Projection Neurons in the Mouse Striatum. <i>Journal of Neuroscience</i> , 2021 , 41, 7831-7847	6.6	2
48	Drug addiction: from bench to bedside. <i>Translational Psychiatry</i> , 2021 , 11, 424	8.6	5
47	Dorsal and ventral striatal neuronal subpopulations differentially disrupt male mouse copulatory behavior. <i>European Neuropsychopharmacology</i> , 2021 , 49, 23-37	1.2	0
46	Mammalian Target of Rapamycin-RhoA Signaling Impairments in Direct Striatal Projection Neurons Induce Altered Behaviors and Striatal Physiology in Mice. <i>Biological Psychiatry</i> , 2020 , 88, 945-954	7.9	3
45	Activation of adenosine A receptors in the olfactory tubercle promotes sleep in rodents. <i>Neuropharmacology</i> , 2020 , 168, 107923	5.5	6
44	GPRIN3 Controls Neuronal Excitability, Morphology, and Striatal-Dependent Behaviors in the Indirect Pathway of the Striatum. <i>Journal of Neuroscience</i> , 2019 , 39, 7513-7528	6.6	5
43	It takes two to tango: Dorsal direct and indirect pathways orchestration of motor learning and behavioral flexibility. <i>Neurochemistry International</i> , 2019 , 124, 200-214	4.4	5
42	GPR88 in D1R-Type and D2R-Type Medium Spiny Neurons Differentially Regulates Affective and Motor Behavior. <i>ENeuro</i> , 2019 , 6,	3.9	5
41	Deletion of in mice abolishes locomotor and reinforcing effects of cocaine. <i>EMBO Reports</i> , 2018 , 19,	6.5	8
40	The GABAergic Gudden's dorsal tegmental nucleus: A new relay for serotonergic regulation of sleep-wake behavior in the mouse. <i>Neuropharmacology</i> , 2018 , 138, 315-330	5.5	5
39	Dopamine-endocannabinoid interactions mediate spike-timing-dependent potentiation in the striatum. <i>Nature Communications</i> , 2018 , 9, 4118	17.4	21
38	Ventrolateral Striatal Medium Spiny Neurons Positively Regulate Food-Incentive, Goal-Directed Behavior Independently of D1 and D2 Selectivity. <i>Journal of Neuroscience</i> , 2017 , 37, 2723-2733	6.6	56
37	Slow-wave sleep is controlled by a subset of nucleus accumbens core neurons in mice. <i>Nature Communications</i> , 2017 , 8, 734	17.4	95
36	Distinct Roles of Ventromedial versus Ventrolateral Striatal Medium Spiny Neurons in Reward-Oriented Behavior. <i>Current Biology</i> , 2017 , 27, 3042-3048.e4	6.3	13

35	Adenosine A receptors in the olfactory bulb suppress rapid eye movement sleep in rodents. <i>Brain Structure and Function</i> , 2017 , 222, 1351-1366	4	19
34	Bidirectional Control of Reversal in a Dual Action Task by Direct and Indirect Pathway Activation in the Dorsolateral Striatum in Mice. <i>Frontiers in Behavioral Neuroscience</i> , 2017 , 11, 256	3.5	5
33	Striatal adenosine A receptor neurons control active-period sleep via parvalbumin neurons in external globus pallidus. <i>ELife</i> , 2017 , 6,	8.9	45
32	GPR88 in A2AR Neurons Enhances Anxiety-Like Behaviors. <i>ENeuro</i> , 2016 , 3,	3.9	25
31	Striatopallidal Neuron NMDA Receptors Control Synaptic Connectivity, Locomotor, and Goal-Directed Behaviors. <i>Journal of Neuroscience</i> , 2016 , 36, 4976-92	6.6	18
30	Modulation of Ciliary Phosphoinositide Content Regulates Trafficking and Sonic Hedgehog Signaling Output. <i>Developmental Cell</i> , 2015 , 34, 338-50	10.2	171
29	FACS array profiling identifies Ecto-5'Nucleotidase as a striatopallidal neuron-specific gene involved in striatal-dependent learning. <i>Journal of Neuroscience</i> , 2013 , 33, 8794-809	6.6	34
28	Projections of nucleus accumbens adenosine A2A receptor neurons in the mouse brain and their implications in mediating sleep-wake regulation. <i>Frontiers in Neuroanatomy</i> , 2013 , 7, 43	3.6	34
27	Distribution and compartmental organization of GABAergic medium-sized spiny neurons in the mouse nucleus accumbens. <i>Frontiers in Neural Circuits</i> , 2013 , 7, 22	3.5	76
26	Spatial distribution of D1R- and D2R-expressing medium-sized spiny neurons differs along the rostro-caudal axis of the mouse dorsal striatum. <i>Frontiers in Neural Circuits</i> , 2013 , 7, 124	3.5	67
25	Differential regulation of motor control and response to dopaminergic drugs by D1R and D2R neurons in distinct dorsal striatum subregions. <i>EMBO Journal</i> , 2012 , 31, 640-53	13	138
24	Targeting neuronal populations of the striatum. <i>Frontiers in Neuroanatomy</i> , 2011 , 5, 40	3.6	51
23	Unraveling the differential functions and regulation of striatal neuron sub-populations in motor control, reward, and motivational processes. <i>Frontiers in Behavioral Neuroscience</i> , 2011 , 5, 47	3.5	25
22	Aminopyridines correct early dysfunction and delay neurodegeneration in a mouse model of spinocerebellar ataxia type 1. <i>Journal of Neuroscience</i> , 2011 , 31, 11795-807	6.6	104
21	D2R striatopallidal neurons inhibit both locomotor and drug reward processes. <i>Nature Neuroscience</i> , 2009 , 12, 393-5	25.5	209
20	Expression of adenosine A 2A receptors in the rat lumbar spinal cord and implications in the modulation of N-methyl-d-aspartate receptor currents. <i>Anesthesia and Analgesia</i> , 2008 , 106, 1882-9	3.9	15
19	Inhibition of both alpha7* and beta2* nicotinic acetylcholine receptors is necessary to prevent development of sensitization to cocaine-elicited increases in extracellular dopamine levels in the ventral striatum. <i>Psychopharmacology</i> , 2006 , 187, 181-8	4.7	32
18	Subtractive hybridization unravels a role for the ion cotransporter NKCC1 in the murine intestinal pacemaker. <i>American Journal of Physiology - Renal Physiology</i> , 2006 , 290, G1219-27	5.1	31

17	Targeted calretinin expression in granule cells of calretinin-null mice restores normal cerebellar functions. <i>FASEB Journal</i> , 2006 , 20, 380-2	0.9	46
16	Downregulation of two novel genes in Sl/Sld and W(LacZ)/Wv mouse jejunum. <i>Biochemical and Biophysical Research Communications</i> , 2006 , 346, 491-500	3.4	4
15	Inhibition of constitutive inward rectifier currents in cerebellar granule cells by pharmacological and synaptic activation of GABA receptors. <i>European Journal of Neuroscience</i> , 2006 , 24, 419-32	3.5	38
14	The prolactin-releasing peptide antagonizes the opioid system through its receptor GPR10. <i>Nature Neuroscience</i> , 2005 , 8, 1735-41	25.5	43
13	Instant evaluation of the absolute initial number of cDNA copies from a single real-time PCR curve. <i>Nucleic Acids Research</i> , 2004 , 32, e56	20.1	35
12	The Ets transcription factor Fev is specifically expressed in the human central serotonergic neurons. <i>Neuroscience Letters</i> , 2004 , 357, 215-8	3.3	24
11	Kit-negative fibroblast-like cells expressing SK3, a Ca ²⁺ -activated K ⁺ channel, in the gut musculature in health and disease. <i>Cell and Tissue Research</i> , 2002 , 310, 349-58	4.2	73
10	Expression of mutant Ets protein at the neuromuscular synapse causes alterations in morphology and gene expression. <i>EMBO Reports</i> , 2002 , 3, 1075-81	6.5	34
9	Interstitial cells of Cajal in the striated musculature of the mouse esophagus. <i>Cell and Tissue Research</i> , 2001 , 306, 1-14	4.2	29
8	Targeting transcription to the neuromuscular synapse. <i>Neuron</i> , 2001 , 31, 15-22	13.9	170
7	Molecular and physiological diversity of nicotinic acetylcholine receptors in the midbrain dopaminergic nuclei. <i>Journal of Neuroscience</i> , 2001 , 21, 1452-63	6.6	589
6	Rabbit sarcoplasmic reticulum Ca(2+)-ATPase replaces yeast PMC1 and PMR1 Ca(2+)-ATPases for cell viability and calcineurin-dependent regulation of calcium tolerance. <i>Molecular Microbiology</i> , 1999 , 31, 545-56	4.1	35
5	Reduced antinociception in mice lacking neuronal nicotinic receptor subunits. <i>Nature</i> , 1999 , 398, 805-10	50.4	486
4	Disruption and basic phenotypic analysis of 18 novel genes from the yeast <i>Saccharomyces cerevisiae</i> . <i>Yeast</i> , 1999 , 15, 165-71	3.4	8
3	Modulation of plant plasma membrane H ⁺ -ATPase by phytotoxic lipodepsipeptides produced by the plant pathogen <i>Pseudomonas fuscovaginae</i> . <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1998 , 1372, 216-26	3.8	27
2	The complete inventory of the yeast <i>Saccharomyces cerevisiae</i> P-type transport ATPases. <i>FEBS Letters</i> , 1997 , 409, 325-32	3.8	106
1	Review: Subcellular traffic of the plasma membrane H ⁺ -ATPase in <i>Saccharomyces cerevisiae</i> 1996 , 12, 907-916		23