Alban de Kerchove d'Exaerde

List of Publications by Year
in descending order

56 papers	3,855 citations	186265 28 h-index	175258 52 g-index
62 all docs	62 docs citations	62 times ranked	4638 citing authors

#	Article	IF	Citations
1	Engineered Wnt ligands enable blood-brain barrier repair in neurological disorders. Science, 2022, 375, eabm4459.	12.6	67
2	Thalamo-Nucleus Accumbens Projections in Motivated Behaviors and Addiction. Frontiers in Systems Neuroscience, 2021, 15, 711350.	2.5	12
3	The Effect of Serotonin Receptor 5-HT1B on Lateral Inhibition between Spiny Projection Neurons in the Mouse Striatum. Journal of Neuroscience, 2021, 41, 7831-7847.	3.6	3
4	Drug addiction: from bench to bedside. Translational Psychiatry, 2021, 11, 424.	4.8	22
5	Dorsal and ventral striatal neuronal subpopulations differentially disrupt male mouse copulatory behavior. European Neuropsychopharmacology, 2021, 49, 23-37.	0.7	3
6	Regulation of GluA1 phosphorylation by d â€amphetamine and methylphenidate in the cerebellum. Addiction Biology, 2021, 26, e12995.	2.6	2
7	Activation of adenosine A2A receptors in the olfactory tubercle promotes sleep in rodents. Neuropharmacology, 2020, 168, 107923.	4.1	18
8	Mammalian Target of Rapamycin-RhoA Signaling Impairments in Direct Striatal Projection Neurons Induce Altered Behaviors and Striatal Physiology in Mice. Biological Psychiatry, 2020, 88, 945-954.	1.3	8
9	GPRIN3 Controls Neuronal Excitability, Morphology, and Striatal-Dependent Behaviors in the Indirect Pathway of the Striatum. Journal of Neuroscience, 2019, 39, 7513-7528.	3.6	18
10	It takes two to tango: Dorsal direct and indirect pathways orchestration of motor learning and behavioral flexibility. Neurochemistry International, 2019, 124, 200-214.	3.8	9
11	GPR88 in D1R-Type and D2R-Type Medium Spiny Neurons Differentially Regulates Affective and Motor Behavior. ENeuro, 2019, 6, ENEURO.0035-19.2019.	1.9	18
12	Dopamineâ€"endocannabinoid interactions mediate spike-timing-dependent potentiation in the striatum. Nature Communications, 2018, 9, 4118.	12.8	29
13	Deletion of Maged1 in mice abolishes locomotor and reinforcing effects of cocaine. EMBO Reports, 2018, 19, .	4.5	16
14	The GABAergic Gudden's dorsal tegmental nucleus: A new relay for serotonergic regulation of sleep-wake behavior in the mouse. Neuropharmacology, 2018, 138, 315-330.	4.1	7
15	Ventrolateral Striatal Medium Spiny Neurons Positively Regulate Food-Incentive, Goal-Directed Behavior Independently of D1 and D2 Selectivity. Journal of Neuroscience, 2017, 37, 2723-2733.	3.6	99
16	Slow-wave sleep is controlled by a subset of nucleus accumbens core neurons in mice. Nature Communications, 2017, 8, 734.	12.8	157
17	Distinct Roles of Ventromedial versus Ventrolateral Striatal Medium Spiny Neurons in Reward-Oriented Behavior. Current Biology, 2017, 27, 3042-3048.e4.	3.9	28
18	Adenosine A2A receptors in the olfactory bulb suppress rapid eye movement sleep in rodents. Brain Structure and Function, 2017, 222, 1351-1366.	2.3	23

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19	Bidirectional Control of Reversal in a Dual Action Task by Direct and Indirect Pathway Activation in the Dorsolateral Striatum in Mice. Frontiers in Behavioral Neuroscience, 2017, 11, 256.	2.0	6
20	Striatal adenosine A2A receptor neurons control active-period sleep via parvalbumin neurons in external globus pallidus. ELife, 2017, 6, .	6.0	86
21	Striatopallidal Neuron NMDA Receptors Control Synaptic Connectivity, Locomotor, and Goal-Directed Behaviors. Journal of Neuroscience, 2016, 36, 4976-4992.	3.6	29
22	GPR88 in A_{2A}R Neurons Enhances Anxiety-Like Behaviors. ENeuro, 2016, 3, ENEURO.0202-16.2016.	1.9	32
23	Modulation of Ciliary Phosphoinositide Content Regulates Trafficking and Sonic Hedgehog Signaling Output. Developmental Cell, 2015, 34, 338-350.	7.0	233
24	FACS Array Profiling Identifies Ecto-5' Nucleotidase as a Striatopallidal Neuron-Specific Gene Involved in Striatal-Dependent Learning. Journal of Neuroscience, 2013, 33, 8794-8809.	3.6	43
25	Projections of nucleus accumbens adenosine A2A receptor neurons in the mouse brain and their implications in mediating sleep-wake regulation. Frontiers in Neuroanatomy, 2013, 7, 43.	1.7	42
26	Distribution and compartmental organization of GABAergic medium-sized spiny neurons in the mouse nucleus accumbens. Frontiers in Neural Circuits, 2013, 7, 22.	2.8	105
27	Spatial distribution of D1R- and D2R-expressing medium-sized spiny neurons differs along the rostro-caudal axis of the mouse dorsal striatum. Frontiers in Neural Circuits, 2013, 7, 124.	2.8	96
28	Differential regulation of motor control and response to dopaminergic drugs by D1R and D2R neurons in distinct dorsal striatum subregions. EMBO Journal, 2012, 31, 640-653.	7.8	180
29	Targeting Neuronal Populations of the Striatum. Frontiers in Neuroanatomy, 2011, 5, 40.	1.7	59
30	Unraveling the Differential Functions and Regulation of Striatal Neuron Sub-Populations in Motor Control, Reward, and Motivational Processes. Frontiers in Behavioral Neuroscience, 2011, 5, 47.	2.0	29
31	Aminopyridines Correct Early Dysfunction and Delay Neurodegeneration in a Mouse Model of Spinocerebellar Ataxia Type 1. Journal of Neuroscience, 2011, 31, 11795-11807.	3.6	137
32	D2R striatopallidal neurons inhibit both locomotor and drug reward processes. Nature Neuroscience, 2009, 12, 393-395.	14.8	251
33	Expression of Adenosine A2A Receptors in the Rat Lumbar Spinal Cord and Implications in the Modulation of N-Methyl-d-Aspartate Receptor Currents. Anesthesia and Analgesia, 2008, 106, 1882-1889.	2.2	17
34	Downregulation of two novel genes in Sl/Sld and WLacZ/Wv mouse jejunum. Biochemical and Biophysical Research Communications, 2006, 346, 491-500.	2.1	5
35	Inhibition of constitutive inward rectifier currents in cerebellar granule cells by pharmacological and synaptic activation of GABABreceptors. European Journal of Neuroscience, 2006, 24, 419-432.	2.6	41
36	Inhibition of both Î±7* and Î²2* nicotinic acetylcholine receptors is necessary to prevent development of sensitization to cocaine-elicited increases in extracellular dopamine levels in the ventral striatum. Psychopharmacology, 2006, 187, 181-188.	3.1	34

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37	Subtractive hybridization unravels a role for the ion cotransporter NKCC1 in the murine intestinal pacemaker. American Journal of Physiology - Renal Physiology, 2006, 290, G1219-G1227.	3.4	35
38	Targeted calretinin expression in granule cells of calretininnull mice restores normal cerebellar functions. FASEB Journal, 2006, 20, 380-382.	0.5	51
39	The prolactin-releasing peptide antagonizes the opioid system through its receptor GPR10. Nature Neuroscience, 2005, 8, 1735-1741.	14.8	48
40	Instant evaluation of the absolute initial number of cDNA copies from a single real-time PCR curve. Nucleic Acids Research, 2004, 32, e56-e56.	14.5	38
41	The Ets transcription factor Fev is specifically expressed in the human central serotonergic neurons. Neuroscience Letters, 2004, 357, 215-218.	2.1	27
42	Kit-negative fibroblast-like cells expressing SK3, a Ca 2+ -activated K + channel, in the gut musculature in health and disease. Cell and Tissue Research, 2002, 310, 349-358.	2.9	79
43	Expression of mutant Ets protein at the neuromuscular synapse causes alterations in morphology and gene expression. EMBO Reports, 2002, 3, 1075-1081.	4.5	37
44	Targeting Transcription to the Neuromuscular Synapse. Neuron, 2001, 31, 15-22.	8.1	184
45	Molecular and Physiological Diversity of Nicotinic Acetylcholine Receptors in the Midbrain Dopaminergic Nuclei. Journal of Neuroscience, 2001, 21, 1452-1463.	3.6	626
46	Interstitial cells of Cajal in the striated musculature of the mouse esophagus. Cell and Tissue Research, 2001, 306, 1-14.	2.9	30
47	Rabbit sarcoplasmic reticulum Ca2+-ATPase replaces yeast PMC1 and PMR1 Ca2+-ATPases for cell viability and calcineurin-dependent regulation of calcium tolerance. Molecular Microbiology, 1999, 31, 545-556.	2.5	36
48	Reduced antinociception in mice lacking neuronal nicotinic receptor subunits. Nature, 1999, 398, 805-810.	27.8	514
49	Disruption and basic phenotypic analysis of 18 novel genes from the yeastSaccharomyces cerevisiae. Yeast, 1999, 15, 165-171.	1.7	10
50	Modulation of plant plasma membrane H+-ATPase by phytotoxic lipodepsipeptides produced by the plant pathogen Pseudomonas fuscovaginae. Biochimica Et Biophysica Acta - Biomembranes, 1998, 1372, 216-226.	2.6	31
51	The complete inventory of the yeastSaccharomyces cerevisiaeP-type transport ATPases. FEBS Letters, 1997, 409, 325-332.	2.8	113
52	Review: Subcellular traffic of the plasma membrane H+-ATPase in Saccharomyces cerevisiae. Yeast, 1996, 12, 907-916.	1.7	24
53	Requirement of Maged1 in glutamatergic cells for locomotor and reinforcing effects of cocaine. Frontiers in Neuroscience, 0, 13, .	2.8	0
54	Deciphering the roles of Nucleus Accumbens direct and indirect pathways in social exploration using in vivo calcium imaging. Frontiers in Neuroscience, 0, 13, .	2.8	0

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55	Specific gene deletion in the efferent striatal pathways confer electrophysiological, neuronal morphological and behavioral characteristics of ASD in mice. Frontiers in Neuroscience, 0, 13, .	2.8	0
56	Asymetric dynamics in the striatal indirect pathway under arousing psychotimulant drug action. Frontiers in Neuroscience, 0, 13, .	2.8	0