Alban de Kerchove d Exaerde

List of Publications by Citations

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	Molecular and physiological diversity of nicotinic acetylcholine receptors in the midbrain dopaminergic nuclei. *Journal of Neuroscience*, **2001**, 21, 1452-63	6.6	589
51	Reduced antinociception in mice lacking neuronal nicotinic receptor subunits. *Nature*, **1999**, 398, 805-10	50.4	486
50	D2R striatopallidal neurons inhibit both locomotor and drug reward processes. *Nature Neuroscience* , **2009**, 12, 393-5	25.5	209
49	Modulation of Ciliary Phosphoinositide Content Regulates Trafficking and Sonic Hedgehog Signaling Output. *Developmental Cell*, **2015**, 34, 338-50	10.2	171
48	Targeting transcription to the neuromuscular synapse. *Neuron*, **2001**, 31, 15-22	13.9	170
47	Differential regulation of motor control and response to dopaminergic drugs by D1R and D2R neurons in distinct dorsal striatum subregions. *EMBO Journal*, **2012**, 31, 640-53	13	138
46	The complete inventory of the yeast Saccharomyces cerevisiae P-type transport ATPases. *FEBS Letters*, **1997**, 409, 325-32	3.8	106
45	Aminopyridines correct early dysfunction and delay neurodegeneration in a mouse model of spinocerebellar ataxia type 1. *Journal of Neuroscience*, **2011**, 31, 11795-807	6.6	104
44	Slow-wave sleep is controlled by a subset of nucleus accumbens core neurons in mice. *Nature Communications*, **2017**, 8, 734	17.4	95
43	Distribution and compartmental organization of GABAergic medium-sized spiny neurons in the mouse nucleus accumbens. *Frontiers in Neural Circuits*, **2013**, 7, 22	3.5	76
42	Kit-negative fibroblast-like cells expressing SK3, a Ca2+-activated K+ channel, in the gut musculature in health and disease. *Cell and Tissue Research*, **2002**, 310, 349-58	4.2	73
41	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	3.5	67
40	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	6.6	56
39	Targeting neuronal populations of the striatum. *Frontiers in Neuroanatomy*, **2011**, 5, 40	3.6	51
38	Targeted calretinin expression in granule cells of calretinin-null mice restores normal cerebellar functions. *FASEB Journal*, **2006**, 20, 380-2	0.9	46
37	Striatal adenosine A receptor neurons control active-period sleep via parvalbumin neurons in external globus pallidus. *ELife*, **2017**, 6,	8.9	45
36	The prolactin-releasing peptide antagonizes the opioid system through its receptor GPR10. *Nature Neuroscience*, **2005**, 8, 1735-41	25.5	43

35	Inhibition of constitutive inward rectifier currents in cerebellar granule cells by pharmacological and synaptic activation of GABA receptors. *European Journal of Neuroscience*, **2006**, 24, 419-32	3.5	38
34	Instant evaluation of the absolute initial number of cDNA copies from a single real-time PCR curve. *Nucleic Acids Research*, **2004**, 32, e56	20.1	35
33	Rabbit sarcoplasmic reticulum Ca(2+)-ATPase replaces yeast PMC1 and PMR1 Ca(2+)-ATPases for cell viability and calcineurin-dependent regulation of calcium tolerance. *Molecular Microbiology*, **1999**, 31, 545-56	4.1	35
32	FACS array profiling identifies Ecto-5Tnucleotidase as a striatopallidal neuron-specific gene involved in striatal-dependent learning. *Journal of Neuroscience*, **2013**, 33, 8794-809	6.6	34
31	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	3.6	34
30	Expression of mutant Ets protein at the neuromuscular synapse causes alterations in morphology and gene expression. *EMBO Reports*, **2002**, 3, 1075-81	6.5	34
29	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. *Psychopharmacology*, **2006**, 187, 181-8	4.7	32
28	Subtractive hybridization unravels a role for the ion cotransporter NKCC1 in the murine intestinal pacemaker. *American Journal of Physiology - Renal Physiology*, **2006**, 290, G1219-27	5.1	31
27	Interstitial cells of Cajal in the striated musculature of the mouse esophagus. *Cell and Tissue Research*, **2001**, 306, 1-14	4.2	29
26	Modulation of plant plasma membrane H+-ATPase by phytotoxic lipodepsipeptides produced by the plant pathogen Pseudomonas fuscovaginae. *Biochimica Et Biophysica Acta - Biomembranes*, **1998**, 1372, 216-26	3.8	27
25	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	3.5	25
24	GPR88 in A2AR Neurons Enhances Anxiety-Like Behaviors. *ENeuro*, **2016**, 3,	3.9	25
23	The Ets transcription factor Fev is specifically expressed in the human central serotonergic neurons. *Neuroscience Letters*, **2004**, 357, 215-8	3.3	24
22	Review: Subcellular traffic of the plasma membrane H+-ATPase in Saccharomyces cerevisiae **1996**, 12, 907-916		23
21	Dopamine-endocannabinoid interactions mediate spike-timing-dependent potentiation in the striatum. *Nature Communications*, **2018**, 9, 4118	17.4	21
20	Adenosine A receptors in the olfactory bulb suppress rapid eye movement sleep in rodents. *Brain Structure and Function*, **2017**, 222, 1351-1366	4	19
19	Striatopallidal Neuron NMDA Receptors Control Synaptic Connectivity, Locomotor, and Goal-Directed Behaviors. *Journal of Neuroscience*, **2016**, 36, 4976-92	6.6	18
18	Expression of adenosine A 2A receptors in the rat lumbar spinal cord and implications in the modulation of N-methyl-d-aspartate receptor currents. *Anesthesia and Analgesia*, **2008**, 106, 1882-9	3.9	15

17	Distinct Roles of Ventromedial versus Ventrolateral Striatal Medium Spiny Neurons in Reward-Oriented Behavior. *Current Biology*, **2017**, 27, 3042-3048.e4	6.3	13
16	Deletion of in mice abolishes locomotor and reinforcing effects of cocaine. *EMBO Reports*, **2018**, 19,	6.5	8
15	Disruption and basic phenotypic analysis of 18 novel genes from the yeast Saccharomyces cerevisiae. *Yeast*, **1999**, 15, 165-71	3.4	8
14	Activation of adenosine A receptors in the olfactory tubercle promotes sleep in rodents. *Neuropharmacology*, **2020**, 168, 107923	5.5	6
13	GPRIN3 Controls Neuronal Excitability, Morphology, and Striatal-Dependent Behaviors in the Indirect Pathway of the Striatum. *Journal of Neuroscience*, **2019**, 39, 7513-7528	6.6	5
12	It takes two to tango: Dorsal direct and indirect pathways orchestration of motor learning and behavioral flexibility. *Neurochemistry International*, **2019**, 124, 200-214	4.4	5
11	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	5.5	5
10	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	3.5	5
9	GPR88 in D1R-Type and D2R-Type Medium Spiny Neurons Differentially Regulates Affective and Motor Behavior. *ENeuro*, **2019**, 6,	3.9	5
8	Drug addiction: from bench to bedside. *Translational Psychiatry*, **2021**, 11, 424	8.6	5
7	Engineered Wnt ligands enable blood-brain barrier repair in neurological disorders.. *Science*, **2022**, 375, eabm4459	33.3	5
6	Downregulation of two novel genes in Sl/Sld and W(LacZ)/Wv mouse jejunum. *Biochemical and Biophysical Research Communications*, **2006**, 346, 491-500	3.4	4
5	Thalamo-Nucleus Accumbens Projections in Motivated Behaviors and Addiction. *Frontiers in Systems Neuroscience*, **2021**, 15, 711350	3.5	4
4	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	7.9	3
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	6.6	2
2	Regulation of GluA1 phosphorylation by d-amphetamine and methylphenidate in the cerebellum. *Addiction Biology*, **2021**, 26, e12995	4.6	0
1	Dorsal and ventral striatal neuronal subpopulations differentially disrupt male mouse copulatory behavior. *European Neuropsychopharmacology*, **2021**, 49, 23-37	1.2	0