Thomas Boraud

List of Publications by Year
in descending order

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67	5,847	117625	95266
papers	citations	34 h-index	68 g-index

73	73	73	5014
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	In vivo electrophysiological validation of DREADDâ€based modulation of pallidal neurons in the nonâ€human primate. European Journal of Neuroscience, 2021, 53, 2192-2204.	2.6	13
2	Economic behaviours among non-human primates. Philosophical Transactions of the Royal Society B: Biological Sciences, 2021, 376, 20190676.	4.0	4
3	Special Issue Editorial: Basal Ganglia/Movement Disorders. European Journal of Neuroscience, 2021, 53, 2045-2048.	2.6	0
4	The adaptive value of probability distortion and risk-seeking in macaquesâ€™ decision-making. Philosophical Transactions of the Royal Society B: Biological Sciences, 2021, 376, 20190668.	4.0	10
5	Optimizing Treatment in Undertreated Late-Stage Parkinsonism: A Pragmatic Randomized Trial. Journal of Parkinson's Disease, 2020, 10, 1171-1184.	2.8	6
6	Does newspapers coverage influence the citations count of scientific publications? An analysis of biomedical studies. Scientometrics, 2020, 123, 413-427.	3.0	14
7	The globus pallidus orchestrates abnormal network dynamics in a model of Parkinsonism. Nature Communications, 2020, 11, 1570.	12.8	59
8	What is the true discharge rate and pattern of the striatal projection neurons in Parkinsonâ€™s disease and Dystonia?. ELife, 2020, 9, .	6.0	18
9	An asymmetry of treatment between lotteries involving gains and losses in rhesus monkeys. Scientific Reports, 2019, 9, 10441.	3.3	14
10	Do newspapers preferentially cover biomedical studies involving national scientists?. Public Understanding of Science, 2019, 28, 191-200.	2.8	3
11	Naftazone in advanced Parkinson's disease: An acute L-DOPA challenge randomized controlled trial. Parkinsonism and Related Disorders, 2019, 60, 51-56.	2.2	15
12	Scientific Uncertainty in the Press: How Newspapers Describe Initial Biomedical Findings. Science Communication, 2018, 40, 124-141.	3.3	21
13	A natural history of skills. Progress in Neurobiology, 2018, 171, 114-124.	5.7	19
14	Social decision making in autism: On the impact of mirror neurons, motor control, and imitative behaviors. CNS Neuroscience and Therapeutics, 2018, 24, 669-676.	3.9	51
15	A Computational Model of Dual Competition between the Basal Ganglia and the Cortex. ENeuro, 2018, 5, ENEURO.0339-17.2018.	1.9	6
16	Memories of Opiate Withdrawal Emotional States Correlate with Specific Gamma Oscillations in the Nucleus Accumbens. Neuropsychopharmacology, 2017, 42, 1157-1168.	5.4	18
17	Low statistical power in biomedical science: a review of three human research domains. Royal Society Open Science, 2017, 4, 160254.	2.4	154
18	Alterations in Functional Cortical Hierarchy in Hemiparkinsonian Rats. Journal of Neuroscience, 2017, 37, 7669-7681.	3.6	19

#	Article	IF	Citations
19	Poor replication validity of biomedical association studies reported by newspapers. PLoS ONE, 2017, 12, e0172650.	2.5	60
20	Replication Validity of Initial Association Studies: A Comparison between Psychiatry, Neurology and Four Somatic Diseases. PLoS ONE, 2016, 11, e0158064.	2.5	22
21	The globus pallidus pars interna in goalâ€oriented and routine behaviors: Resolving a longâ€standing paradox. Movement Disorders, 2016, 31, 1146-1154.	3.9	37
22	Decision making under uncertainty in a spiking neural network model of the basal ganglia. Journal of Integrative Neuroscience, 2016, 15, 515-538.	1.7	12
23	Inhibiting Lateral Habenula Improves L-DOPAâ€“Induced Dyskinesia. Biological Psychiatry, 2016, 79, 345-353.	1.3	18
24	Arkypallidal Cells Send a Stop Signal to Striatum. Neuron, 2016, 89, 308-316.	8.1	186
25	A long journey into reproducible computational neuroscience. Frontiers in Computational Neuroscience, 2015, 9, 30.	2.1	28
26	The Michelin red guide of the brain: role of dopamine in goal-oriented navigation. Frontiers in Systems Neuroscience, 2014, 8, 32.	2.5	9
27	Easy Rider: Monkeys Learn to Drive a Wheelchair to Navigate through a Complex Maze. PLoS ONE, 2014, 9, e96275.	2.5	8
28	Why am I lost without dopamine? Effects of 6-OHDA lesion on the encoding of reward and decision process in CA3. Neurobiology of Disease, 2013, 59, 151-164.	4.4	11
29	Complex Population Response of Dorsal Putamen Neurons Predicts the Ability to Learn. PLoS ONE, 2013, 8, e80683.	2.5	12
30	Coordinated reset has sustained aftereffects in Parkinsonian monkeys. Annals of Neurology, 2012, 72, 816-820.	5.3	249
31	High resolution 3T fMRI in anesthetized monkeys. Journal of Neuroscience Methods, 2012, 205, 86-95.	2.5	2
32	Evolution of the dynamic properties of the cortexâ€“basal ganglia network after dopaminergic depletion in rats. Neurobiology of Disease, 2012, 46, 402-413.	4.4	33
33	Basal Ganglia Preferentially Encode Context Dependent Choice in a Two-Armed Bandit Task. Frontiers in Systems Neuroscience, 2011, 5, 23.	2.5	9
34	Misrepresentation of Neuroscience Data Might Give Rise to Misleading Conclusions in the Media: The Case of Attention Deficit Hyperactivity Disorder. PLoS ONE, 2011, 6, e14618.	2.5	42
35	Inhibition of dopamine uptake by D2 antagonists: an in vivo study. Journal of Neurochemistry, 2011, 116, 449-458.	3.9	37
36	Power Fluctuations in Beta and Gamma Frequencies in Rat Globus Pallidus: Association with Specific Phases of Slow Oscillations and Differential Modulation by Dopamine D₁and D₂Receptors. Journal of Neuroscience, 2011, 31, 6098-6107.	3.6	36

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37	Deep brain stimulation changes basal ganglia output nuclei firing pattern in the dystonic hamster. Neurobiology of Disease, 2010, 38, 288-298.	4.4	24
38	Brain Hemispheres Selectively Track the Expected Value of Contralateral Options. Journal of Neuroscience, 2009, 29, 13465-13472.	3.6	57
39	Dynamic Changes in the Cortex-Basal Ganglia Network After Dopamine Depletion in the Rat. Journal of Neurophysiology, 2008, 100, 385-396.	1.8	79
40	Shaping of Motor Responses by Incentive Values through the Basal Ganglia. Journal of Neuroscience, 2007, 27, 1176-1183.	3.6	106
41	Synchronous high-voltage spindles in the cortex-basal ganglia network of awake and unrestrained rats. European Journal of Neuroscience, 2007, 25, 772-784.	2.6	36
42	Late emergence of synchronized oscillatory activity in the pallidum during progressive parkinsonism. European Journal of Neuroscience, 2007, 26, 1701-1713.	2.6	139
43	Temporal and spatial alterations in GPi neuronal encoding might contribute to slow down movement in Parkinsonian monkeys. European Journal of Neuroscience, 2006, 24, 1201-1208.	2.6	51
44	Increased slow oscillatory activity in substantia nigra pars reticulata triggers abnormal involuntary movements in the 6-OHDA-lesioned rat in the presence of excessive extracelullar striatal dopamine. Neurobiology of Disease, 2006, 22, 586-598.	4.4	134
45	Competition between Feedback Loops Underlies Normal and Pathological Dynamics in the Basal Ganglia. Journal of Neuroscience, 2006, 26, 3567-3583.	3.6	289
46	Acquisition and generalization of visuomotor transformations by nonhuman primates. Experimental Brain Research, 2005, 161, 209-219.	1.5	20
47	Emerging Patterns of Neuronal Responses in Supplementary and Primary Motor Areas during Sensorimotor Adaptation. Journal of Neuroscience, 2005, 25, 10941-10951.	3.6	53
48	Subthalamic high frequency stimulation resets subthalamic firing and reduces abnormal oscillations. Brain, 2005, 128, 2372-2382.	7.6	327
49	Spike Synchronization in the Cortex-Basal Ganglia Networks of Parkinsonian Primates Reflects Global Dynamics of the Local Field Potentials. Journal of Neuroscience, 2004, 24, 6003-6010.	3.6	205
50	Neuronal Oscillations in the Basal Ganglia and Movement Disorders: Evidence from Whole Animal and Human Recordings. Journal of Neuroscience, 2004, 24, 9240-9243.	3.6	258
51	Attenuation of levodopa-induced dyskinesia by normalizing dopamine D3 receptor function. Nature Medicine, 2003, 9, 762-767.	30.7	370
52	Preparatory activity in motor cortex reflects learning of local visuomotor skills. Nature Neuroscience, 2003, 6, 882-890.	14.8	174
53	Electrophysiological and metabolic evidence that highâ€frequency stimulation of the subthalamic nucleus bridles neuronal activity in the subthalamic nucleus and the substantia nigra reticulata. FASEB Journal, 2003, 17, 1820-1830.	0.5	235
54	Enhanced Synchrony among Primary Motor Cortex Neurons in the 1-Methyl-4-Phenyl-1,2,3,6-Tetrahydropyridine Primate Model of Parkinson's Disease. Journal of Neuroscience, 2002, 22, 4639-4653.	3.6	260

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55	Dopamine agonist-induced dyskinesias are correlated to both firing pattern and frequency alterations of pallidal neurones in the MPTP-treated monkey. Brain, 2001, 124, 546-557.	7.6	180
56	Spontaneous long-term compensatory dopaminergic sprouting in MPTP-treated mice. Synapse, 2000, 38, 363-368.	1.2	69
57	Comparison of eight clinical rating scales used for the assessment of MPTP-induced parkinsonism in the Macaque monkey. Journal of Neuroscience Methods, 2000, 96, 71-76.	2.5	142
58	Cortical Stimulation and Epileptic Seizure: A Study of the Potential Risk in Primates. Neurosurgery, 1999, 45, 346-350.	1.1	64
59	Involvement of the subthalamic nucleus in glutamatergic compensatory mechanisms. European Journal of Neuroscience, 1999, 11, 2167-2170.	2.6	136
60	Trichloroethylene and parkinsonism: a human and experimental observation. European Journal of Neurology, 1999, 6, 609-611.	3.3	59
61	Towards a dynamic approach of experimental parkinsonism. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 1998, 22, 1317-1329.	4.8	2
62	High-frequency stimulation of the globus pallidus internalis in Parkinson's disease: a study of seven cases. Journal of Neurosurgery, 1997, 87, 491-498.	1.6	187
63	Presymptomatic revelation of experimental Parkinsonism. NeuroReport, 1997, 8, 435-438.	1.2	28
64	Quantification of motor slowness in Parkinson's disease: Correlations between the tapping test and single joint ballistic movement parameters. Parkinsonism and Related Disorders, 1997, 3, 47-50.	2.2	12
65	High frequency stimulation of the internal Globus Pallidus (GPi) simultaneously improves parkinsonian symptoms and reduces the firing frequency of GPi neurons in the MPTP-treated monkey. Neuroscience Letters, 1996, 215, 17-20.	2.1	244
66	The effect of riluzole on post-traumatic spinal cord injury in the rat. NeuroReport, 1996, 7, 387-392.	1.2	68
67	Reversal of Rigidity and Improvement in Motor Performance by Subthalamic Highâ€frequency Stimulation in MPTPâ€treated Monkeys. European Journal of Neuroscience, 1993, 5, 382-389.	2.6	576