

Emmanuel Procyk

List of Publications by Year in descending order

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69
papers

4,211
citations

159525

30
h-index

143943

57
g-index

84
all docs

84
docs citations

84
times ranked

4391
citing authors

#	ARTICLE	IF	CITATIONS
1	Induced Cognitive Impairments Reversed by Grafts of Neural Precursors: A Longitudinal Study in a Macaque Model of Parkinson's Disease. <i>Advanced Science</i> , 2022, 9, e2103827.	5.6	7
2	Frontal cortical functional connectivity is impacted by anaesthesia in macaques. <i>Cerebral Cortex</i> , 2022, 32, 4050-4067.	1.6	11
3	Sulcal Morphology in Cingulate Cortex is Associated with Voluntary Oro-Facial Motor Control and Gestural Communication in Chimpanzees (<i>Pan troglodytes</i>). <i>Cerebral Cortex</i> , 2021, 31, 2845-2854.	1.6	13
4	Imaging evolution of the primate brain: the next frontier?. <i>NeuroImage</i> , 2021, 228, 117685.	2.1	43
5	Formalizing planning and information search in naturalistic decision-making. <i>Nature Neuroscience</i> , 2021, 24, 1051-1064.	7.1	40
6	The midcingulate cortex and temporal integration. <i>International Review of Neurobiology</i> , 2021, 158, 395-419.	0.9	3
7	Cognitive control of orofacial motor and vocal responses in the ventrolateral and dorsomedial human frontal cortex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 4994-5005.	3.3	36
8	Accelerating the Evolution of Nonhuman Primate Neuroimaging. <i>Neuron</i> , 2020, 105, 600-603.	3.8	92
9	Sulcal organization in the medial frontal cortex provides insights into primate brain evolution. <i>Nature Communications</i> , 2019, 10, 3437.	5.8	77
10	Midcingulate somatomotor and autonomic functions. <i>Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn</i> , 2019, 166, 53-71.	1.0	13
11	Adaptive coordination of working-memory and reinforcement learning in non-human primates performing a trial-and-error problem solving task. <i>Behavioural Brain Research</i> , 2018, 355, 76-89.	1.2	9
12	An Open Resource for Non-human Primate Imaging. <i>Neuron</i> , 2018, 100, 61-74.e2.	3.8	190
13	Variations of cingulate sulcal organization and link with cognitive performance. <i>Scientific Reports</i> , 2018, 8, 13988.	1.6	51
14	A novel approach to probabilistic characterisation of neural firing patterns. <i>Journal of Neuroscience Methods</i> , 2018, 305, 67-81.	1.3	7
15	Reward activations and face fields in monkey cingulate motor areas. <i>Journal of Neurophysiology</i> , 2018, 119, 1037-1044.	0.9	8
16	Cognitive control of vocalizations in the primate ventrolateral-dorsomedial frontal (VLF-DMF) brain network. <i>Neuroscience and Biobehavioral Reviews</i> , 2017, 82, 32-44.	2.9	43
17	Rostro-Caudal Organization of Connectivity between Cingulate Motor Areas and Lateral Frontal Regions. <i>Frontiers in Neuroscience</i> , 2017, 11, 753.	1.4	32
18	L'erreur forge le cerveau. , 2017, N° 87, 44-50.		1

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19	Specific frontal neural dynamics contribute to decisions to check. <i>Nature Communications</i> , 2016, 7, 11990.	5.8	73
20	Single subject analyses reveal consistent recruitment of frontal operculum in performance monitoring. <i>NeuroImage</i> , 2016, 133, 266-278.	2.1	19
21	The Effects of Cognitive Control and Time on Frontal Beta Oscillations. <i>Cerebral Cortex</i> , 2016, 26, 1715-1732.	1.6	64
22	Learning to learn about uncertain feedback. <i>Learning and Memory</i> , 2016, 23, 90-98.	0.5	4
23	Prefrontal Markers and Cognitive Performance Are Dissociated during Progressive Dopamine Lesion. <i>PLoS Biology</i> , 2016, 14, e1002576.	2.6	9
24	Reservoir Computing Properties of Neural Dynamics in Prefrontal Cortex. <i>PLoS Computational Biology</i> , 2016, 12, e1004967.	1.5	134
25	Modulation of feedback-related negativity during trial-and-error task in Parkinson's disease: assessing the role of apathy and depression in cognitive impairments. <i>Journal of the Neurological Sciences</i> , 2015, 357, e284.	0.3	0
26	Time-frequency characterization of local field potential in a decision making task. , 2015, 2015, 5565-8.		0
27	A unilateral medial frontal cortical lesion impairs trial and error learning without visual control. <i>Neuropsychologia</i> , 2015, 75, 314-321.	0.7	7
28	Behavioral Regulation and the Modulation of Information Coding in the Lateral Prefrontal and Cingulate Cortex. <i>Cerebral Cortex</i> , 2015, 25, 3197-3218.	1.6	66
29	Spatiotemporal Spike Coding of Behavioral Adaptation in the Dorsal Anterior Cingulate Cortex. <i>PLoS Biology</i> , 2015, 13, e1002222.	2.6	11
30	Alteration of Daily and Circadian Rhythms following Dopamine Depletion in MPTP Treated Non-Human Primates. <i>PLoS ONE</i> , 2014, 9, e86240.	1.1	61
31	Statistical approach to inter-spike interval ramps. , 2014, , .		0
32	Midcingulate Motor Map and Feedback Detection: Converging Data from Humans and Monkeys. <i>Cerebral Cortex</i> , 2014, 26, bhu213.	1.6	91
33	Increased DAT binding in the early stage of the dopaminergic lesion: A longitudinal [11C]PE2I binding study in the MPTP-monkey. <i>NeuroImage</i> , 2014, 102, 249-261.	2.1	15
34	Modulation of a decision-making process by spatiotemporal spike patterns decoding: evidence from spike-train metrics analysis and spiking neural network modeling. <i>BMC Neuroscience</i> , 2013, 14, .	0.8	1
35	L'adaptation cognitive, un processus sensorimoteur? Homologies cingulaires entre le singe et l'homme. <i>European Psychiatry</i> , 2013, 28, 17-17.	0.1	0
36	Medial prefrontal cortex and the adaptive regulation of reinforcement learning parameters. <i>Progress in Brain Research</i> , 2013, 202, 441-464.	0.9	41

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37	The Location of Feedback-Related Activity in the Midcingulate Cortex Is Predicted by Local Morphology. <i>Journal of Neuroscience</i> , 2013, 33, 2217-2228.	1.7	89
38	Modulation of feedback-related negativity during trial-and-error exploration and encoding of behavioral shifts. <i>Frontiers in Neuroscience</i> , 2013, 7, 209.	1.4	19
39	Explicit Markov counting model of inter-spike interval time series. , 2012, , .		1
40	Multifractal detrended fluctuation analysis and local scale exponents of inter spike intervals. , 2012, , .		0
41	Modulation of feedback related activity in the rostral anterior cingulate cortex during trial and error exploration. <i>NeuroImage</i> , 2012, 63, 1078-1090.	2.1	68
42	Robot Cognitive Control with a Neurophysiologically Inspired Reinforcement Learning Model. <i>Frontiers in Neurobotics</i> , 2011, 5, 1.	1.6	65
43	Foreword. <i>Journal of Physiology (Paris)</i> , 2011, 105, 1.	2.1	0
44	Early Presymptomatic and Long-Term Changes of Rest Activity Cycles and Cognitive Behavior in a MPTP-Monkey Model of Parkinson's Disease. <i>PLoS ONE</i> , 2011, 6, e23952.	1.1	45
45	Coordination of High Gamma Activity in Anterior Cingulate and Lateral Prefrontal Cortical Areas during Adaptation. <i>Journal of Neuroscience</i> , 2011, 31, 11110-11117.	1.7	64
46	Neuroanatomical Basis of Motivational and Cognitive Control: A Focus on the Medial and Lateral Prefrontal Cortex. , 2011, , 4-20.		7
47	Meta-Learning, Cognitive Control, and Physiological Interactions between Medial and Lateral Prefrontal Cortex. , 2011, , 350-369.		5
48	A Computational Model of Integration between Reinforcement Learning and Task Monitoring in the Prefrontal Cortex. <i>Lecture Notes in Computer Science</i> , 2010, , 424-434.	1.0	3
49	Frontal Feedback-Related Potentials in Nonhuman Primates: Modulation during Learning and under Haloperidol. <i>Journal of Neuroscience</i> , 2009, 29, 15675-15683.	1.7	27
50	Behavioral Shifts and Action Valuation in the Anterior Cingulate Cortex. <i>Neuron</i> , 2008, 57, 314-325.	3.8	293
51	Statistical method for determination of interspike interval probability density function. , 2008, , .		2
52	Expectations, gains, and losses in the anterior cingulate cortex. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2007, 7, 327-336.	1.0	111
53	Reward Encoding in the Monkey Anterior Cingulate Cortex. <i>Cerebral Cortex</i> , 2006, 16, 1040-1055.	1.6	305
54	Modulation of Dorsolateral Prefrontal Delay Activity during Self-Organized Behavior. <i>Journal of Neuroscience</i> , 2006, 26, 11313-11323.	1.7	73

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55	Anterior cingulate error-related activity is modulated by predicted reward. <i>European Journal of Neuroscience</i> , 2005, 21, 3447-3452.	1.2	202
56	The primate working memory networks. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2004, 4, 444-465.	1.0	160
57	Reward anticipation, cognition, and electrodermal activity in the conditioned monkey. <i>Experimental Brain Research</i> , 2003, 149, 267-275.	0.7	33
58	Characterization of serial order encoding in the monkey anterior cingulate sulcus. <i>European Journal of Neuroscience</i> , 2001, 14, 1041-1046.	1.2	46
59	Anterior cingulate activity during routine and non-routine sequential behaviors in macaques. <i>Nature Neuroscience</i> , 2000, 3, 502-508.	7.1	268
60	The effects of sequence structure and reward schedule on serial reaction time learning in the monkey. <i>Cognitive Brain Research</i> , 2000, 9, 239-248.	3.3	29
61	Automated extraction and variability analysis of sulcal neuroanatomy. <i>IEEE Transactions on Medical Imaging</i> , 1999, 18, 206-217.	5.4	143
62	Brain activity during observation of actions. Influence of action content and subject's strategy. <i>Brain</i> , 1997, 120, 1763-1777.	3.7	799
63	What memory is for action: The gap between percepts and concepts. <i>Behavioral and Brain Sciences</i> , 1997, 20, 34-36.	0.4	46
64	Problem solving and logical reasoning in the macaque monkey. <i>Behavioural Brain Research</i> , 1996, 82, 67-78.	1.2	14
65	Spatial reasoning in the monkey. <i>Cognitive Brain Research</i> , 1996, 5, 131-135.	3.3	1
66	Modulations of prefrontal activity related to cognitive control and performance monitoring. , 1993, , 27-46.		4
67	Dorsal anterior cingulate cortex and the adaptive regulation of reinforcement learning parameters: neurophysiology, model and robotic implementation. <i>Frontiers in Human Neuroscience</i> , 0, 9, .	1.0	0
68	COGNITIVE EFFORT MODULATES FRONTAL EFFECTIVE CONNECTIONS: A DYNAMIC CAUSAL MODELING STUDY ON MACAQUE MONKEYS. <i>Frontiers in Neuroscience</i> , 0, 13, .	1.4	0
69	Inhibitory control of frontal metastability sets the temporal signature of cognition. <i>ELife</i> , 0, 11, .	2.8	3