

Igor Kagan

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

1,252
citations

516710

16
h-index

395702

33
g-index

50
all docs

50
docs citations

50
times ranked

1449
citing authors

#	ARTICLE	IF	CITATIONS
1	Orientation and Direction Selectivity of Neurons in V1 of Alert Monkeys: Functional Relationships and Laminar Distributions. <i>Cerebral Cortex</i> , 2005, 15, 1207-1221.	2.9	141
2	Selective activation of visual cortex neurons by fixational eye movements: Implications for neural coding. <i>Visual Neuroscience</i> , 2001, 18, 259-277.	1.0	121
3	Saccades and drifts differentially modulate neuronal activity in V1: Effects of retinal image motion, position, and extraretinal influences. <i>Journal of Vision</i> , 2008, 8, 19-19.	0.3	110
4	Accelerating the Evolution of Nonhuman Primate Neuroimaging. <i>Neuron</i> , 2020, 105, 600-603.	8.1	92
5	Space representation for eye movements is more contralateral in monkeys than in humans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 7933-7938.	7.1	90
6	Functional imaging reveals rapid reorganization of cortical activity after parietal inactivation in monkeys. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 8274-8279.	7.1	77
7	Spatial Organization of Receptive Fields of V1 Neurons of Alert Monkeys: Comparison With Responses to Gratings. <i>Journal of Neurophysiology</i> , 2002, 88, 2557-2574.	1.8	75
8	Human Posterior Parietal Cortex Plans Where to Reach and What to Avoid. <i>Journal of Neuroscience</i> , 2010, 30, 11715-11725.	3.6	62
9	Combining brain perturbation and neuroimaging in non-human primates. <i>NeuroImage</i> , 2021, 235, 118017.	4.2	50
10	Effects of Pulvinar Inactivation on Spatial Decision-making between Equal and Asymmetric Reward Options. <i>Journal of Cognitive Neuroscience</i> , 2013, 25, 1270-1283.	2.3	45
11	Electrical Microstimulation of the Pulvinar Biases Saccade Choices and Reaction Times in a Time-Dependent Manner. <i>Journal of Neuroscience</i> , 2017, 37, 2234-2257.	3.6	44
12	Inactivation of Parietal Reach Region Affects Reaching But Not Saccade Choices in Internally Guided Decisions. <i>Journal of Neuroscience</i> , 2015, 35, 11719-11728.	3.6	39
13	Implicit reward associations impact face processing: Time-resolved evidence from event-related brain potentials and pupil dilations. <i>NeuroImage</i> , 2018, 179, 557-569.	4.2	32
14	Lateral intraparietal area (LIP) is largely effector-specific in free-choice decisions. <i>Scientific Reports</i> , 2018, 8, 8611.	3.3	28
15	Motor Preparatory Activity in Posterior Parietal Cortex is Modulated by Subjective Absolute Value. <i>PLoS Biology</i> , 2010, 8, e1000444.	5.6	22
16	Reach and grasp deficits following damage to the dorsal pulvinar. <i>Cortex</i> , 2018, 99, 135-149.	2.4	22
17	Toward next-generation primate neuroscience: A collaboration-based strategic plan for integrative neuroimaging. <i>Neuron</i> , 2022, 110, 16-20.	8.1	22
18	Using imaging photoplethysmography for heart rate estimation in non-human primates. <i>PLoS ONE</i> , 2018, 13, e0202581.	2.5	21

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19	Post-decision wagering after perceptual judgments reveals bi-directional certainty readouts. <i>Cognition</i> , 2018, 176, 40-52.	2.2	20
20	Active Vision: Microsaccades Direct the Eye to Where It Matters Most. <i>Current Biology</i> , 2013, 23, R712-R714.	3.9	19
21	Primate area V1. <i>NeuroReport</i> , 2014, 25, 1109-1115.	1.2	13
22	Eye position signals in the dorsal pulvinar during fixation and goal-directed saccades. <i>Journal of Neurophysiology</i> , 2020, 123, 367-391.	1.8	12
23	Chapter 25 Behavior of Hindbrain Neurons During the Transition from Rest to Evoked Locomotion in a Newt. <i>Progress in Brain Research</i> , 1999, 123, 285-294.	1.4	11
24	Active Vision: Fixational Eye Movements Help Seeing Space in Time. <i>Current Biology</i> , 2012, 22, R186-R188.	3.9	11
25	Effective connectivity and spatial selectivity-dependent fMRI changes elicited by microstimulation of pulvinar and LIP. <i>NeuroImage</i> , 2021, 240, 118283.	4.2	11
26	Macaque Gaze Responses to the Primatar: A Virtual Macaque Head for Social Cognition Research. <i>Frontiers in Psychology</i> , 2020, 11, 1645.	2.1	9
27	How the mesencephalic locomotor region recruits hindbrain neurons. <i>Progress in Brain Research</i> , 2004, 143, 219-230.	1.4	7
28	Emergence and suppression of cooperation by action visibility in transparent games. <i>PLoS Computational Biology</i> , 2020, 16, e1007588.	3.2	7
29	Aberrant functional connectivity of resting state networks related to misperceptions and intra-individual variability in Parkinson's disease. <i>NeuroImage: Clinical</i> , 2020, 25, 102076.	2.7	7
30	Judgments of effort exerted by others are influenced by received rewards. <i>Scientific Reports</i> , 2020, 10, 1868.	3.3	7
31	Active Vision: Dynamic Reformatting of Visual Information by the Saccade-Drift Cycle. <i>Current Biology</i> , 2017, 27, R341-R344.	3.9	4
32	Trunk rotation affects temporal order judgments with direct saccades: Influence of handedness. <i>Neuropsychologia</i> , 2015, 79, 123-137.	1.6	2
33	Modeling the responses of V1 complex cells to natural temporal inputs. <i>Journal of Vision</i> , 2004, 4, 278-278.	0.3	2
34	Evolutionary Successful Strategies in a Transparent iterated Prisoner's Dilemma. <i>Lecture Notes in Computer Science</i> , 2019, , 204-219.	1.3	1
35	Lack of short-term adaptation in V1 cells of the alert monkey. <i>Journal of Vision</i> , 2004, 4, 223-223.	0.3	0