Stelios M Smirnakis

List of Publications by Year
in descending order

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Version: 2024-02-01

64 papers	3,389 citations	257357 24 h-index	189801 50 g-index
68 all docs	68 docs citations	68 times ranked	4322 citing authors

#	Article	IF	Citations
1	Anisocoria and Poor Pupil Reactivity by Quantitative Pupillometry in Patients With Intracranial Pathology. Critical Care Medicine, 2022, 50, e143-e153.	0.4	13
2	Macaque Area V2/V3 Reorganization Following Homonymous Retinal Lesions. Frontiers in Neuroscience, 2022, 16, 757091.	1.4	1
3	Visual Motion Coherence Responses in Human Visual Cortex. Frontiers in Neuroscience, 2022, 16, 719250.	1.4	3
4	Natural Language Processing of Radiology Reports to Detect Complications of Ischemic Stroke. Neurocritical Care, 2022, 37, 291-302.	1.2	5
5	Target receptor identification and subsequent treatment of resected brain tumors with encapsulated and engineered allogeneic stem cells. Nature Communications, 2022, 13, 2810.	5.8	10
6	Increased Reliability of Visually-Evoked Activity in Area V1 of the MECP2-Duplication Mouse Model of Autism. Journal of Neuroscience, 2022, 42, 6469-6482.	1.7	3
7	Inhibition of Elevated Ras-MAPK Signaling Normalizes Enhanced Motor Learning and Excessive Clustered Dendritic Spine Stabilization in the MECP2-Duplication Syndrome Mouse Model of Autism. ENeuro, 2021, 8, ENEURO.0056-21.2021.	0.9	11
8	Subcortical Sparing Associated with Ambulatory Independence after Hemicraniectomy for Malignant Infarction. Journal of Stroke and Cerebrovascular Diseases, 2021, 30, 105850.	0.7	0
9	Visuomotor control in mice and primates. Neuroscience and Biobehavioral Reviews, 2021, 130, 185-200.	2.9	4
10	Excessive Formation and Stabilization of Dendritic Spine Clusters in the MECP2-Duplication Syndrome Mouse Model of Autism. ENeuro, 2021, 8, ENEURO.0282-20.2020.	0.9	12
11	Motor training improves coordination and anxiety in symptomatic Mecp2 -null mice despite impaired functional connectivity within the motor circuit. Science Advances, 2021, 7, eabf7467.	4.7	3
12	Abstract 1122â€000089: Characterization of Critical Sequelae in Ischemic Stroke Using Natural Language Processing. , 2021, 1, .		0
13	Characteristics and Outcomes of Latinx Patients With COVID-19 in Comparison With Other Ethnic and Racial Groups. Open Forum Infectious Diseases, 2020, 7, ofaa401.	0.4	26
14	Blood Pressure Thresholds During Endovascular Therapy in Ischemic Stroke. JAMA Neurology, 2020, 77, 1578.	4.5	0
15	Machine learning and natural language processing methods to identify ischemic stroke, acuity and location from radiology reports. PLoS ONE, 2020, 15, e0234908.	1.1	63
16	Title is missing!. , 2020, 15, e0234908.		0
17	Title is missing!. , 2020, 15, e0234908.		0
18	Title is missing!. , 2020, 15, e0234908.		0

#	Article	IF	Citations
19	Title is missing!. , 2020, 15, e0234908.		0
20	Title is missing!. , 2020, 15, e0234908.		0
21	Title is missing!. , 2020, 15, e0234908.		0
22	The Visual Cortex in Context. Annual Review of Vision Science, 2019, 5, 317-339.	2.3	45
23	Estimating average single-neuron visual receptive field sizes by fMRI. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 6425-6434.	3.3	42
24	Inhibitory Units: An Organizing Nidus for Feature-Selective SubNetworks in Area V1. Journal of Neuroscience, 2019, 39, 4931-4944.	1.7	7
25	Contribution of apical and basal dendrites to orientation encoding in mouse V1 L2/3 pyramidal neurons. Nature Communications, 2019, 10, 5372.	5.8	39
26	Internal gain modulations, but not changes in stimulus contrast, preserve the neural code. Journal of Neuroscience, 2019, 39, 2012-18.	1.7	8
27	Organization of area hV5/MT+ in subjects with homonymous visual field defects. NeuroImage, 2019, 190, 254-268.	2.1	12
28	Fatal Powassan Encephalitis (Deer Tick Virus, Lineage II) in a Patient With Fever and Orchitis Receiving Rituximab. JAMA Neurology, 2018, 75, 746.	4.5	31
29	Asynchronous suppression of visual cortex during absence seizures in stargazer mice. Nature Communications, 2018, 9, 1938.	5.8	33
30	The Effect of Single Pyramidal Neuron Firing Within Layer 2/3 and Layer 4 in Mouse V1. Frontiers in Neural Circuits, 2018, 12, 29.	1.4	2
31	Increased Axonal Bouton Stability during Learning in the Mouse Model of MECP2 Duplication Syndrome. ENeuro, 2018, 5, ENEURO.0056-17.2018.	0.9	19
32	Complex Visual Motion Representation in Mouse Area V1. Journal of Neuroscience, 2017, 37, 164-183.	1.7	48
33	Visually Driven Neuropil Activity and Information Encoding in Mouse Primary Visual Cortex. Frontiers in Neural Circuits, 2017, 11, 50.	1.4	19
34	RADAR: A novel fast-screening method for reading difficulties with special focus on dyslexia. PLoS ONE, 2017, 12, e0182597.	1.1	18
35	Loss and Gain of MeCP2 Cause Similar Hippocampal Circuit Dysfunction that Is Rescued by Deep Brain Stimulation in a Rett Syndrome Mouse Model. Neuron, 2016, 91, 739-747.	3.8	88
36	Probing Human Visual Deficits with Functional Magnetic Resonance Imaging. Annual Review of Vision Science, 2016, 2, 171-195.	2.3	16

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37	Topographical Estimation of Visual Population Receptive Fields by fMRI. Journal of Visualized Experiments, 2015, , .	0.2	3
38	Multidisciplinary Protocol for Rapid Head Computed Tomography Turnaround Time in Acute Stroke Patients. Journal of Stroke and Cerebrovascular Diseases, 2015, 24, 1256-1261.	0.7	4
39	Nonlinear population receptive field changes in human area V5/MT+ of healthy subjects with simulated visual field scotomas. NeuroImage, 2015, 120, 176-190.	2.1	21
40	Population receptive field analysis of the primary visual cortex complements perimetry in patients with homonymous visual field defects. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E1656-65.	3.3	76
41	Dynamic Control of Excitatory Synapse Development by a Rac1 GEF/GAP Regulatory Complex. Developmental Cell, 2014, 29, 701-715.	3.1	69
42	State Dependence of Noise Correlations in Macaque Primary Visual Cortex. Neuron, 2014, 82, 235-248.	3.8	307
43	Viral transduction of the neonatal brain delivers controllable genetic mosaicism for visualising and manipulating neuronal circuits in vivo. European Journal of Neuroscience, 2013, 37, 1203-1220.	1.2	123
44	Visual cortex organisation in a macaque monkey with macular degeneration. European Journal of Neuroscience, 2013, 38, 3456-3464.	1.2	25
45	A new method for estimating population receptive field topography in visual cortex. NeuroImage, 2013, 81, 144-157.	2.1	62
46	Information Transfer Through Stochastic Transmission of a Linear Combination of Rates. Neural Computation, 2013, 25, 2265-2302.	1.3	3
47	Dendritic Arborization and Spine Dynamics Are Abnormal in the Mouse Model ofMECP2Duplication Syndrome. Journal of Neuroscience, 2013, 33, 19518-19533.	1.7	123
48	Abstract TP427: Comparison of Clinical Characteristics of Neurogenic Stunned Myocardium in Patients with Subarachnoid Hemorrhage and Acute Ischemic Stroke. Stroke, 2013, 44, .	1.0	0
49	Abstract 2399: Protocol for Rapid Acquisition and Interpretation of Head CT in Acute Stroke Patients Eligible for Thrombolysis. Stroke, 2012, 43, .	1.0	0
50	Vagus nerve stimulation modulates cortical synchrony and excitability through the activation of muscarinic receptors. Neuroscience, 2011, 189, 207-214.	1.1	146
51	Abstract P260: Mind the Time: A Quality Improvement Project to Increase the Percent of Ischemic Stroke Patients Receiving Intravenous Tissue Plasminogen Activator within 60 Minutes after Arrival at the Emergency Department. Circulation: Cardiovascular Quality and Outcomes, 2011, 4, .	0.9	0
52	Visually Driven Activation in Macaque Areas V2 and V3 without Input from the Primary Visual Cortex. PLoS ONE, 2009, 4, e5527.	1.1	75
53	Internally Mediated Developmental Desynchronization of Neocortical Network Activity. Journal of Neuroscience, 2009, 29, 10890-10899.	1.7	266
54	Plasticity and stability of visual field maps in adult primary visual cortex. Nature Reviews Neuroscience, 2009, 10, 873-884.	4.9	178

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55	Microstimulation of visual cortex to restore vision. Progress in Brain Research, 2009, 175, 347-375.	0.9	58
56	Spatial Specificity of BOLD versus Cerebral Blood Volume fMRI for Mapping Cortical Organization. Journal of Cerebral Blood Flow and Metabolism, 2007, 27, 1248-1261.	2.4	70
57	Simultaneous EEG and fMRI in the macaque monkey at 4.7 Tesla. Magnetic Resonance Imaging, 2006, 24, 335-342.	1.0	22
58	Reply to "Motion processing in macaque V4". Nature Neuroscience, 2005, 8, 1125-1125.	7.1	1
59	Neurons in macaque area V4 acquire directional tuning after adaptation to motion stimuli. Nature Neuroscience, 2005, 8, 591-593.	7.1	126
60	Lack of long-term cortical reorganization after macaque retinal lesions. Nature, 2005, 435, 300-307.	13.7	205
61	Rewiring the adult brain (Reply). Nature, 2005, 438, E3-E4.	13.7	14
62	Eye Movements Modulate Visual Receptive Fields of V4 Neurons. Neuron, 2001, 29, 757-767.	3.8	263
63	Motion Processing in the Macaque: Revisited with Functional Magnetic Resonance Imaging. Journal of Neuroscience, 2001, 21, 8594-8601.	1.7	99
64	Adaptation of retinal processing to image contrast and spatial scale. Nature, 1997, 386, 69-73.	13.7	467