

Itamar Kahn

List of Publications by Year in descending order

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41
papers

6,691
citations

218677

26
h-index

330143

37
g-index

46
all docs

46
docs citations

46
times ranked

8448
citing authors

#	ARTICLE	IF	CITATIONS
1	Evidence for a Frontoparietal Control System Revealed by Intrinsic Functional Connectivity. <i>Journal of Neurophysiology</i> , 2008, 100, 3328-3342.	1.8	1,627
2	Parietal lobe contributions to episodic memory retrieval. <i>Trends in Cognitive Sciences</i> , 2005, 9, 445-453.	7.8	1,394
3	Distinct Cortical Anatomy Linked to Subregions of the Medial Temporal Lobe Revealed by Intrinsic Functional Connectivity. <i>Journal of Neurophysiology</i> , 2008, 100, 129-139.	1.8	432
4	Functional-Neuroanatomic Correlates of Recollection: Implications for Models of Recognition Memory. <i>Journal of Neuroscience</i> , 2004, 24, 4172-4180.	3.6	350
5	Neural Circuits Subserving the Retrieval and Maintenance of Abstract Rules. <i>Journal of Neurophysiology</i> , 2003, 90, 3419-3428.	1.8	329
6	The Neural Reality of Syntactic Transformations. <i>Psychological Science</i> , 2003, 14, 433-440.	3.3	282
7	Mapping brain networks in awake mice using combined optical neural control and fMRI. <i>Journal of Neurophysiology</i> , 2011, 105, 1393-1405.	1.8	248
8	Memory Strength and Repetition Suppression: Multimodal Imaging of Medial Temporal Cortical Contributions to Recognition. <i>Neuron</i> , 2005, 47, 751-761.	8.1	241
9	Decreased demands on cognitive control reveal the neural processing benefits of forgetting. <i>Nature Neuroscience</i> , 2007, 10, 908-914.	14.8	232
10	Sensing the invisible: differential sensitivity of visual cortex and amygdala to traumatic context. <i>NeuroImage</i> , 2003, 19, 587-600.	4.2	201
11	Imbalanced Neural Responsivity to Risk and Reward Indicates Stress Vulnerability in Humans. <i>Cerebral Cortex</i> , 2013, 23, 28-35.	2.9	121
12	Characterization of the Functional MRI Response Temporal Linearity via Optical Control of Neocortical Pyramidal Neurons. <i>Journal of Neuroscience</i> , 2011, 31, 15086-15091.	3.6	117
13	Intrinsic connectivity between the hippocampus, nucleus accumbens, and ventral tegmental area in humans. <i>Hippocampus</i> , 2013, 23, 187-192.	1.9	115
14	Realistic Numerical and Analytical Modeling of Light Scattering in Brain Tissue for Optogenetic Applications. <i>ENeuro</i> , 2016, 3, ENEURO.0059-15.2015.	1.9	90
15	The Role of the Amygdala in Signaling Prospective Outcome of Choice. <i>Neuron</i> , 2002, 33, 983-994.	8.1	86
16	Early Age-Related Functional Connectivity Decline in High-Order Cognitive Networks. <i>Frontiers in Aging Neuroscience</i> , 2016, 8, 330.	3.4	84
17	Optogenetic drive of neocortical pyramidal neurons generates fMRI signals that are correlated with spiking activity. <i>Brain Research</i> , 2013, 1511, 33-45.	2.2	75
18	The Organization of Mouse and Human Cortico-Hippocampal Networks Estimated by Intrinsic Functional Connectivity. <i>Cerebral Cortex</i> , 2016, 26, 4497-4512.	2.9	75

#	ARTICLE	IF	CITATIONS
19	Transfer of Learning Relates to Intrinsic Connectivity between Hippocampus, Ventromedial Prefrontal Cortex, and Large-Scale Networks. <i>Journal of Neuroscience</i> , 2014, 34, 11297-11303.	3.6	73
20	Individual structural features constrain the mouse functional connectome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 26961-26969.	7.1	66
21	Hemispheric Asymmetry of Visual Scene Processing in the Human Brain: Evidence from Repetition Priming and Intrinsic Activity. <i>Cerebral Cortex</i> , 2012, 22, 1935-1949.	2.9	54
22	Transient Disruption of Ventrolateral Prefrontal Cortex During Verbal Encoding Affects Subsequent Memory Performance. <i>Journal of Neurophysiology</i> , 2005, 94, 688-698.	1.8	52
23	Magneto-Fluorescent Yolk-Shell Nanoparticles. <i>Chemistry of Materials</i> , 2018, 30, 775-780.	6.7	42
24	Brain Activity Dissociates Mentalization from Motivation During an Interpersonal Competitive Game. <i>Brain Imaging and Behavior</i> , 2009, 3, 24-37.	2.1	41
25	Overcoming suppression in order to remember: Contributions from anterior cingulate and ventrolateral prefrontal cortex. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2008, 8, 211-221.	2.0	40
26	Functional Connectivity of the Macaque Posterior Parahippocampal Cortex. <i>Journal of Neurophysiology</i> , 2010, 103, 793-800.	1.8	40
27	Autism-associated Nf1 deficiency disrupts corticocortical and corticostriatal functional connectivity in human and mouse. <i>Neurobiology of Disease</i> , 2019, 130, 104479.	4.4	36
28	Individual variability in functional connectivity architecture of the mouse brain. <i>Communications Biology</i> , 2020, 3, 738.	4.4	29
29	An IQSEC2 Mutation Associated With Intellectual Disability and Autism Results in Decreased Surface AMPA Receptors. <i>Frontiers in Molecular Neuroscience</i> , 2019, 12, 43.	2.9	27
30	Tremor Relief and Structural Integrity after MRI-guided Focused US Thalamotomy in Tremor Disorders. <i>Radiology</i> , 2020, 294, 676-685.	7.3	17
31	The default network is causally linked to creative thinking. <i>Molecular Psychiatry</i> , 2022, 27, 1848-1854.	7.9	16
32	Holographic fiber bundle system for patterned optogenetic activation of large-scale neuronal networks. <i>Neurophotonics</i> , 2015, 2, 045002.	3.3	15
33	Brain-wide structural and functional disruption in mice with oligodendrocyte-specific Nf1 deletion is rescued by inhibition of nitric oxide synthase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 22506-22513.	7.1	11
34	Utah optrode array customization using stereotactic brain atlases and 3-D CAD modeling for optogenetic neocortical interrogation in small rodents and nonhuman primates. <i>Neurophotonics</i> , 2017, 4, 041502.	3.3	8
35	Multi-Modal Nano Particle Labeling of Neurons. <i>Frontiers in Neuroscience</i> , 2019, 13, 12.	2.8	7
36	Structural and functional brain-wide alterations in A350V Iqsec2 mutant mice displaying autistic-like behavior. <i>Translational Psychiatry</i> , 2021, 11, 181.	4.8	5

#	ARTICLE	IF	CITATIONS
37	Realistic Modeling of Optogenetic Neuronal Excitation in Light-Scattering Brain Tissue. , 2016, , .		4
38	Co-segmentation of multiple images into multiple regions: Application to mouse brain MRI. , 2016, , .		3
39	Multidimensional co-segmentation of longitudinal brain MRI ensembles in the presence of a neurodegenerative process. NeuroImage, 2018, 178, 346-369.	4.2	2
40	Special Section Guest Editorial: Causal Control of Biological Systems with Light. Neurophotonics, 2015, 2, 031201.	3.3	0
41	Probabilistic model for 3D interactive segmentation. Computer Vision and Image Understanding, 2016, 151, 47-60.	4.7	0