

Tomas Knapen

List of Publications by Year in descending order

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Version: 2024-02-01

53
papers

2,341
citations

361413

20
h-index

254184

43
g-index

70
all docs

70
docs citations

70
times ranked

2200
citing authors

#	ARTICLE	IF	CITATIONS
1	Visuospatial coding as ubiquitous scaffolding for human cognition. Trends in Cognitive Sciences, 2022, 26, 81-96.	7.8	36
2	Representation of Contralateral Visual Space in the Human Hippocampus. Journal of Neuroscience, 2021, 41, 2382-2392.	3.6	17
3	Ultra-high field fMRI reveals origins of feedforward and feedback activity within laminae of human ocular dominance columns. NeuroImage, 2021, 228, 117683.	4.2	25
4	Separable pupillary signatures of perception and action during perceptual multistability. ELife, 2021, 10, .	6.0	10
5	A line through the brain: implementation of human line-scanning at 7T for ultra-high spatiotemporal resolution fMRI. Journal of Cerebral Blood Flow and Metabolism, 2021, 41, 2831-2843.	4.3	18
6	Topographic connectivity reveals task-dependent retinotopic processing throughout the human brain. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	31
7	Divisive normalization unifies disparate response signatures throughout the human visual hierarchy. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	20
8	Learning in Visual Regions as Support for the Bias in Future Value-Driven Choice. Cerebral Cortex, 2020, 30, 2005-2018.	2.9	6
9	Intracranial Recordings Reveal Unique Shape and Timing of Responses in Human Visual Cortex during Illusory Visual Events. Current Biology, 2020, 30, 3089-3100.e4.	3.9	21
10	Visual Organization of the Default Network. Cerebral Cortex, 2020, 30, 3518-3527.	2.9	29
11	Biologically inspired unification of population receptive field models provides new insights into cortical computations. Journal of Vision, 2020, 20, 377.	0.3	1
12	Intracranial recordings reveal unique shape and timing of responses in human visual cortex during illusory visual events. Journal of Vision, 2020, 20, 375.	0.3	0
13	Cross-Task Contributions of Frontobasal Ganglia Circuitry in Response Inhibition and Conflict-Induced Slowing. Cerebral Cortex, 2019, 29, 1969-1983.	2.9	28
14	Dopaminergic medication reduces striatal sensitivity to negative outcomes in Parkinson's disease. Brain, 2019, 142, 3605-3620.	7.6	26
15	Topographic Maps of Visual Space in the Human Cerebellum. Current Biology, 2019, 29, 1689-1694.e3.	3.9	69
16	Implicit and explicit learning in reactive and voluntary saccade adaptation. PLoS ONE, 2019, 14, e0203248.	2.5	6
17	The visual selectivity of the default mode network. Journal of Vision, 2019, 19, 212.	0.3	3
18	Multi-center mapping of human ocular dominance columns with BOLD fMRI. Journal of Vision, 2019, 19, 64b.	0.3	0

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19	Topographic maps of visual space in the human cerebellum. <i>Journal of Vision</i> , 2019, 19, 307.	0.3	0
20	Multistable Perception and the Role of the Frontoparietal Cortex in Perceptual Inference. <i>Annual Review of Psychology</i> , 2018, 69, 77-103.	17.7	109
21	How pupil responses track value-based decision-making during and after reinforcement learning. <i>PLoS Computational Biology</i> , 2018, 14, e1006632.	3.2	55
22	No Evidence That Frontal Eye Field tDCS Affects Latency or Accuracy of Prosaccades. <i>Frontiers in Neuroscience</i> , 2018, 12, 617.	2.8	10
23	How Visual Cortical Organization Is Altered by Ophthalmologic and Neurologic Disorders. <i>Annual Review of Vision Science</i> , 2018, 4, 357-379.	4.4	45
24	Porcupine: A visual pipeline tool for neuroimaging analysis. <i>PLoS Computational Biology</i> , 2018, 14, e1006064.	3.2	12
25	Spatial sampling in human visual cortex is modulated by both spatial and feature-based attention. <i>ELife</i> , 2018, 7, .	6.0	24
26	Dynamic modulation of decision biases by brainstem arousal systems. <i>ELife</i> , 2017, 6, .	6.0	218
27	Individual differences in eye blink rate predict both transient and tonic pupil responses during reversal learning. <i>PLoS ONE</i> , 2017, 12, e0185665.	2.5	13
28	Transcranial direct current stimulation of the right frontal eye field to affect saccade execution. <i>Journal of Vision</i> , 2017, 17, 898.	0.3	0
29	Oculomotor Remapping of Visual Information to Foveal Retinotopic Cortex. <i>Frontiers in Systems Neuroscience</i> , 2016, 10, 54.	2.5	22
30	Visual cortex activity predicts subjective experience after reading books with colored letters. <i>Neuropsychologia</i> , 2016, 88, 15-27.	1.6	5
31	Cognitive and Ocular Factors Jointly Determine Pupil Responses under Equiluminance. <i>PLoS ONE</i> , 2016, 11, e0155574.	2.5	127
32	Through the eyes, fast and slow: behaviourally relevant pupil responses on separate timescales. <i>Journal of Vision</i> , 2016, 16, 85.	0.3	0
33	Attention Improves Stimulus Encoding in Early Visual Cortex. <i>Journal of Vision</i> , 2016, 16, 1306.	0.3	0
34	Spatiotemporal BOLD correlates of switches in bistable perception. <i>Journal of Vision</i> , 2016, 16, 1216.	0.3	0
35	Unreportable switches in bistable perception produce negligible fronto-parietal BOLD activity.. <i>Journal of Vision</i> , 2016, 16, 1327.	0.3	0
36	Negligible fronto-parietal BOLD activity accompanying unreportable switches in bistable perception. <i>Nature Neuroscience</i> , 2015, 18, 1672-1678.	14.8	97

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37	Decision-related pupil dilation reflects upcoming choice and individual bias. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E618-25.	7.1	297
38	Interregional alpha-band synchrony supports temporal cross-modal integration. <i>NeuroImage</i> , 2014, 101, 404-415.	4.2	63
39	GABA Shapes the Dynamics of Bistable Perception. <i>Current Biology</i> , 2013, 23, 823-827.	3.9	176
40	Opposite Influence of Perceptual Memory on Initial and Prolonged Perception of Sensory Ambiguity. <i>PLoS ONE</i> , 2012, 7, e30595.	2.5	30
41	The Role of Frontal and Parietal Brain Areas in Bistable Perception. <i>Journal of Neuroscience</i> , 2011, 31, 10293-10301.	3.6	188
42	The reference frame of the tilt aftereffect. <i>Journal of Vision</i> , 2011, 10, 8-8.	0.3	86
43	Global saccadic adaptation. <i>Vision Research</i> , 2010, 50, 1882-1890.	1.4	32
44	A Dissociation of Attention and Awareness in Phase-sensitive but Not Phase-insensitive Visual Channels. <i>Journal of Cognitive Neuroscience</i> , 2010, 22, 2326-2344.	2.3	30
45	The reference frame of the motion aftereffect is retinotopic. <i>Journal of Vision</i> , 2009, 9, 16-16.	0.3	80
46	The spatial scale of perceptual memory in ambiguous figure perception. <i>Journal of Vision</i> , 2009, 9, 16-16.	0.3	36
47	Multi-Timescale Perceptual History Resolves Visual Ambiguity. <i>PLoS ONE</i> , 2008, 3, e1497.	2.5	83
48	Removal of monocular interactions equates rivalry behavior for monocular, binocular, and stimulus rivalries. <i>Journal of Vision</i> , 2008, 8, 13-13.	0.3	23
49	Stimulus Motion Propels Traveling Waves in Binocular Rivalry. <i>PLoS ONE</i> , 2007, 2, e739.	2.5	22
50	Stimulus flicker alters interocular grouping during binocular rivalry. <i>Vision Research</i> , 2007, 47, 1-7.	1.4	14
51	Disruption of implicit perceptual memory by intervening neutral stimuli. <i>Vision Research</i> , 2007, 47, 2675-2683.	1.4	16
52	Distance in feature space determines exclusivity in visual rivalry. <i>Vision Research</i> , 2007, 47, 3269-3275.	1.4	19
53	Slant perception, and its voluntary control, do not govern the slant aftereffect: Multiple slant signals adapt independently. <i>Vision Research</i> , 2006, 46, 3381-3392.	1.4	14