

Frank Tong

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

3,932
citations

430874

18
h-index

454955

30
g-index

37
all docs

37
docs citations

37
times ranked

3746
citing authors

#	ARTICLE	IF	CITATIONS
1	When participants report zero confidence in their visual working memory, how much information do they really have?. <i>Journal of Vision</i> , 2021, 21, 2661.	0.3	0
2	Convolutional neural networks trained with a developmental sequence of blurry to clear images reveal core differences between face and object processing. <i>Journal of Vision</i> , 2021, 21, 6.	0.3	12
3	Noise-trained deep neural networks effectively predict human vision and its neural responses to challenging images. <i>PLoS Biology</i> , 2021, 19, e3001418.	5.6	23
4	Resolving the Spatial Profile of Figure Enhancement in Human V1 through Population Receptive Field Modeling. <i>Journal of Neuroscience</i> , 2020, 40, 3292-3303.	3.6	14
5	Figure-Ground Modulation in the Human Lateral Geniculate Nucleus Is Distinguishable from Top-Down Attention. <i>Current Biology</i> , 2019, 29, 2051-2057.e3.	3.9	24
6	Visual expectations change subjective experience without changing performance. <i>Consciousness and Cognition</i> , 2019, 71, 59-69.	1.5	7
7	The emotional attentional blink is robust to divided attention. <i>Attention, Perception, and Psychophysics</i> , 2019, 81, 205-216.	1.3	4
8	Opportunities and challenges for a maturing science of consciousness. <i>Nature Human Behaviour</i> , 2019, 3, 104-107.	12.0	58
9	Training with simulated lung nodules in X-rays can improve the localization performance of radiology residents. <i>Journal of Vision</i> , 2019, 19, 27c.	0.3	0
10	Visual crowding disrupts the cortical representation of letters in early visual areas. <i>Journal of Vision</i> , 2019, 19, 65c.	0.3	0
11	A novel learning-based paradigm to investigate the visual-cognitive bases of lung nodule detection. <i>Journal of Vision</i> , 2019, 19, 255.	0.3	0
12	Evidence of gradual loss of precision for simple features and complex objects in visual working memory.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2018, 44, 925-940.	0.9	39
13	Can deep learning networks acquire the robustness of human recognition when faced with objects in visual noise?. <i>Journal of Vision</i> , 2018, 18, 903.	0.3	4
14	Characterizing the effects of feature salience and top-down attention in the early visual system. <i>Journal of Neurophysiology</i> , 2017, 118, 564-573.	1.8	36
15	Reprioritization of Features of Multidimensional Objects Stored in Visual Working Memory. <i>Psychological Science</i> , 2017, 28, 1773-1785.	3.3	34
16	Integrating theoretical models with functional neuroimaging. <i>Journal of Mathematical Psychology</i> , 2017, 76, 80-93.	1.8	2
17	The impact of early visual cortex transcranial magnetic stimulation on visual working memory precision and guess rate. <i>PLoS ONE</i> , 2017, 12, e0175230.	2.5	26
18	Neural representation of form-contingent color filling-in in the early visual cortex. <i>Journal of Vision</i> , 2017, 17, 10.	0.3	10

#	ARTICLE	IF	CITATIONS
19	Accounting for stimulus-specific variation in precision reveals a discrete capacity limit in visual working memory.. Journal of Experimental Psychology: Human Perception and Performance, 2017, 43, 6-17.	0.9	76
20	Evaluating the robustness of object recognition to visual noise in humans and convolutional neural networks. Journal of Vision, 2017, 17, 805.	0.3	4
21	Oculomotor Remapping of Visual Information to Foveal Retinotopic Cortex. Frontiers in Systems Neuroscience, 2016, 10, 54.	2.5	22
22	Radial bias is not necessary for orientation decoding. NeuroImage, 2016, 127, 23-33.	4.2	48
23	The Occipital Face Area Is Causally Involved in Facial Viewpoint Perception. Journal of Neuroscience, 2015, 35, 16398-16403.	3.6	15
24	Attention alters orientation processing in the human lateral geniculate nucleus. Nature Neuroscience, 2015, 18, 496-498.	14.8	91
25	Neural Mechanisms of Object-Based Attention. Cerebral Cortex, 2015, 25, 1080-1092.	2.9	81
26	Imagery and visual working memory: one and the same?. Trends in Cognitive Sciences, 2013, 17, 489-490.	7.8	54
27	How attention extracts objects from noise. Journal of Neurophysiology, 2013, 110, 1346-1356.	1.8	40
28	Decoding Patterns of Human Brain Activity. Annual Review of Psychology, 2012, 63, 483-509.	17.7	304
29	Relationship between BOLD amplitude and pattern classification of orientation-selective activity in the human visual cortex. NeuroImage, 2012, 63, 1212-1222.	4.2	38
30	Aligning Brains and Minds. Neuron, 2011, 72, 199-201.	8.1	2
31	Neural bases of binocular rivalry. Trends in Cognitive Sciences, 2006, 10, 502-511.	7.8	634
32	Decoding the visual and subjective contents of the human brain. Nature Neuroscience, 2005, 8, 679-685.	14.8	1,666
33	RESPONSE PROPERTIES OF THE HUMAN FUSIFORM FACE AREA. Cognitive Neuropsychology, 2000, 17, 257-280.	1.1	277
34	Robust representations for faces: Evidence from visual search.. Journal of Experimental Psychology: Human Perception and Performance, 1999, 25, 1016-1035.	0.9	280