Michael J Tarr

List of Publications by Year
in descending order

48 papers	7,767 citations	172457 29 h-index	233421 45 g-index
54 all docs	54 docs citations	54 times ranked	4088 citing authors

#	Article	IF	Citations
1	The relative contributions of visual and semantic information in the neural representation of object categories. Brain and Behavior, 2019, 9, e01373.	2.2	5
2	Exploring spatiotemporal neural dynamics of the human visual cortex. Human Brain Mapping, 2019, 40, 4213-4238.	3.6	10
3	BOLD5000, a public fMRI dataset while viewing 5000 visual images. Scientific Data, 2019, 6, 49.	5.3	82
4	Learning intermediate features of affordances with a convolutional neural network. Journal of Vision, 2018, 18, 1267.	0.3	1
5	Scaling Up Neural Datasets: A public fMRI dataset of 5000 scenes. Journal of Vision, 2018, 18, 732.	0.3	1
6	The concurrent encoding of viewpoint-invariant and viewpoint-dependent information in visual object recognition. Visual Cognition, 2017, 25, 100-121.	1.6	7
7	Very high density EEG elucidates spatiotemporal aspects of early visual processing. Scientific Reports, 2017, 7, 16248.	3.3	48
8	Exploring the spatio-temporal neural basis of face learning. Journal of Vision, 2017, 17, 1.	0.3	2
9	Awake, Offline Processing during Associative Learning. PLoS ONE, 2016, 11, e0127522.	2.5	9
10	Visual Object Recognition: Do We (Finally) Know More Now Than We Did?. Annual Review of Vision Science, 2016, 2, 377-396.	4.4	57
11	A method for real-time visual stimulus selection in the study of cortical object perception. NeuroImage, 2016, 133, 529-548.	4.2	3
12	Applying artificial vision models to human scene understanding. Frontiers in Computational Neuroscience, 2015, 9, 8.	2.1	5
13	Associative Processing Is Inherent in Scene Perception. PLoS ONE, 2015, 10, e0128840.	2.5	34
14	Exploration of complex visual feature spaces for object perception. Frontiers in Computational Neuroscience, 2014, 8, 106.	2.1	6
15	Perception Isnâ€™t So Simple. Psychological Science, 2013, 24, 1069-1070.	3.3	23
16	Comparing visual representations across human fMRI and computational vision. Journal of Vision, 2013, 13, 25-25.	0.3	28
17	Explicating the Face Perception Network with White Matter Connectivity. PLoS ONE, 2013, 8, e61611.	2.5	124
18	Recognizing disguised faces. Visual Cognition, 2012, 20, 143-169.	1.6	84

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19	Does acquisition of Greeble expertise in prosopagnosia rule out a domain-general deficit?. Neuropsychologia, 2012, 50, 289-304.	1.6	42
20	Visual learning of statistical relations among nonadjacent features: Evidence for structural encoding. Visual Cognition, 2011, 19, 469-482.	1.6	23
21	Perceptual Expertise Effects Are Not All or None: Spatially Limited Perceptual Expertise for Faces in a Case of Prosopagnosia. Journal of Cognitive Neuroscience, 2006, 18, 48-63.	2.3	90
22	Beyond faces and modularity: the power of an expertise framework. Trends in Cognitive Sciences, 2006, 10, 159-166.	7.8	287
23	Behavioral Change and Its Neural Correlates in Visual Agnosia After Expertise Training. Journal of Cognitive Neuroscience, 2005, 17, 554-568.	2.3	61
24	Visual expertise with nonface objects leads to competition with the early perceptual processing of faces in the human occipitotemporal cortex. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 14521-14526.	7.1	138
25	Unraveling mechanisms for expert object recognition: Bridging brain activity and behavior.. Journal of Experimental Psychology: Human Perception and Performance, 2002, 28, 431-446.	0.9	346
26	BOLD Activity during Mental Rotation and Viewpoint-Dependent Object Recognition. Neuron, 2002, 34, 161-171.	8.1	180
27	Unraveling mechanisms for expert object recognition: Bridging brain activity and behavior.. Journal of Experimental Psychology: Human Perception and Performance, 2002, 28, 431-446.	0.9	205
28	What defines a view?. Vision Research, 2001, 41, 1981-2004.	1.4	45
29	The Fusiform â€œFace Areaâ€•is Part of a Network that Processes Faces at the Individual Level. Journal of Cognitive Neuroscience, 2000, 12, 495-504.	2.3	775
30	Differing views on views: comments on Biederman and Bar (1999). Vision Research, 2000, 40, 3895-3899.	1.4	22
31	Activation of the middle fusiform 'face area' increases with expertise in recognizing novel objects. Nature Neuroscience, 1999, 2, 568-573.	14.8	1,049
32	Can Face Recognition Really be Dissociated from Object Recognition?. Journal of Cognitive Neuroscience, 1999, 11, 349-370.	2.3	290
33	Recognizing Silhouettes and Shaded Images across Depth Rotation. Perception, 1999, 28, 1197-1215.	1.2	25
34	Three-dimensional object recognition is viewpoint dependent. Nature Neuroscience, 1998, 1, 275-277.	14.8	254
35	Do viewpoint-dependent mechanisms generalize across members of a class?. Cognition, 1998, 67, 73-110.	2.2	55
36	Training â€˜greebleâ€™ experts: a framework for studying expert object recognition processes. Vision Research, 1998, 38, 2401-2428.	1.4	328

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37	Why the visual recognition system might encode the effects of illumination. Vision Research, 1998, 38, 2259-2275.	1.4	76
38	To What Extent Do Unique Parts Influence Recognition Across Changes in Viewpoint?. Psychological Science, 1997, 8, 282-289.	3.3	147
39	Testing conditions for viewpoint invariance in object recognition.. Journal of Experimental Psychology: Human Perception and Performance, 1997, 23, 1511-1521.	0.9	90
40	Becoming a â€œGreebleâ€•Expert: Exploring Mechanisms for Face Recognition. Vision Research, 1997, 37, 1673-1682.	1.4	891
41	Is human object recognition better described by geon structural descriptions or by multiple views? Comment on Biederman and Gerhardstein (1993).. Journal of Experimental Psychology: Human Perception and Performance, 1995, 21, 1494-1505.	0.9	322
42	Rotating objects to recognize them: A case study on the role of viewpoint dependency in the recognition of three-dimensional objects. Psychonomic Bulletin and Review, 1995, 2, 55-82.	2.8	430
43	From perception to cognition. Behavioral and Brain Sciences, 1993, 16, 251-252.	0.7	2
44	IS A PICTURE REALLY WORTH A THOUSAND WORDS?. Computational Intelligence, 1993, 9, 356-359.	3.2	0
45	When does Human Object Recognition use a Viewer-Centered Reference Frame?. Psychological Science, 1990, 1, 253-256.	3.3	196
46	The Mind's Eye: <i>Principles of Mental Imagery</i> . Ronald A. Finke. Mit Press, Cambridge, MA, 1990. x, 179 pp., illus. $19.95; <i>Mental Imagery</i> . On the Limits of Cognitive Science. Mark Rollins. Yale University Press, New Haven, CT, 1989. xx, 170 pp. $21.50.. Science, 1990, 249, 685-685.	12.6	0
47	Mental rotation and orientation-dependence in shape recognition. Cognitive Psychology, 1989, 21, 233-282.	2.2	794
48	Visual Perception II: High-Level Vision. , 0, , 48-70.		2