Tim C Kietzmann

List of Publications by Year
in descending order

29 papers	1,291 citations	623734 14 h-index	713466 21 g-index
41 all docs	41 docs citations	41 times ranked	1102 citing authors

#	Article	IF	Citations
1	Recurrence is required to capture the representational dynamics of the human visual system. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 21854-21863.	7.1	266
2	Deepfakes: Trick or treat?. Business Horizons, 2020, 63, 135-146.	5.2	172
3	An ecologically motivated image dataset for deep learning yields better models of human vision. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	67
4	Prevalence of Selectivity for Mirror-Symmetric Views of Faces in the Ventral and Dorsal Visual Pathways. Journal of Neuroscience, 2012, 32, 11763-11772.	3.6	66
5	Recurrent neural networks can explain flexible trading of speed and accuracy in biological vision. PLoS Computational Biology, 2020, 16, e1008215.	3.2	65
6	Individual differences among deep neural network models. Nature Communications, 2020, 11, 5725.	12.8	62
7	Investigating task-dependent top-down effects on overt visual attention. Journal of Vision, 2010, 10, 1-14.	0.3	57
8	Measures and Limits of Models of Fixation Selection. PLoS ONE, 2011, 6, e24038.	2.5	51
9	Diverse Deep Neural Networks All Predict Human Inferior Temporal Cortex Well, After Training and Fitting. Journal of Cognitive Neuroscience, 2021, 33, 1-21.	2.3	43
10	Overt Visual Attention as a Causal Factor of Perceptual Awareness. PLoS ONE, 2011, 6, e22614.	2.5	34
11	An extensive dataset of eye movements during viewing of complex images. Scientific Data, 2017, 4, 160126.	5.3	33
12	Eye movements as a window to cognitive processes. Journal of Eye Movement Research, 2016, 9, .	0.8	29
13	Incremental GRLVQ: Learning relevant features for 3D object recognition. Neurocomputing, 2008, 71, 2868-2879.	5.9	27
14	Representational Dynamics of Facial Viewpoint Encoding. Journal of Cognitive Neuroscience, 2017, 29, 637-651.	2.3	26
15	Effects of contextual information and stimulus ambiguity on overt visual sampling behavior. Vision Research, 2015, 110, 76-86.	1.4	16
16	The Occipital Face Area Is Causally Involved in Facial Viewpoint Perception. Journal of Neuroscience, 2015, 35, 16398-16403.	3.6	15
17	Computational object recognition: a biologically motivated approach. Biological Cybernetics, 2009, 100, 59-79.	1.3	13
18	From photos to sketches - how humans and deep neural networks process objects across different levels of visual abstraction. Journal of Vision, 2022, 22, 4.	0.3	13

#	Article	IF	Citations
19	The Neuro Slot Car Racer: Reinforcement Learning in a Real World Setting. , 2009, , .		9
20	Extensive training leads to temporal and spatial shifts of cortical activity underlying visual category selectivity. NeuroImage, 2016, 134, 22-34.	4.2	9
21	Exploratory Multimodal Data Analysis with Standard Multimedia Player - Multimedia Containers: A Feasible Solution to Make Multimodal Research Data Accessible to the Broad Audience. , 2017, , .		4
22	Perceptual learning of parametric face categories leads to the integration of high-level class-based information but not to high-level pop-out. Journal of Vision, 2010, 10, 20-20.	0.3	3
23	A Unifying Approach to High- and Low-Level Cognition. , 0, , .		3
24	Differential Contribution of Low- and High-level Image Content to Eye Movements in Monkeys and Humans. Cerebral Cortex, 2017, 27, 279-293.	2.9	3
25	Recurrent networks can recycle neural resources to flexibly trade speed for accuracy in visual recognition. , 2019, , .		3
26	Faces strongly attract early fixations in naturally sampled real-world stimulus materials. , 2020, , .		2
27	Deep neural networks trained with heavier data augmentation learn features closer to representations in hIT. , 2018, , .		1
28	Beware of the beginnings: intermediate and higher-level representations in deep neural networks are strongly affected by weight initialization. , 2018, , .		1
29	Representational dynamics in the human ventral stream captured in deep recurrent neural nets. , 2018, , .		0