

Assaf Harel

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

802
citations

759233

12
h-index

580821

25
g-index

36
all docs

36
docs citations

36
times ranked

797
citing authors

#	ARTICLE	IF	CITATIONS
1	Task context impacts visual object processing differentially across the cortex. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E962-71.	7.1	140
2	Deconstructing Visual Scenes in Cortex: Gradients of Object and Spatial Layout Information. Cerebral Cortex, 2013, 23, 947-957.	2.9	128
3	The representational dynamics of task and object processing in humans. ELife, 2018, 7, .	6.0	121
4	Top-Down Engagement Modulates the Neural Expressions of Visual Expertise. Cerebral Cortex, 2010, 20, 2304-2318.	2.9	81
5	Stimulus type, level of categorization, and spatial-frequencies utilization: Implications for perceptual categorization hierarchies.. Journal of Experimental Psychology: Human Perception and Performance, 2009, 35, 1264-1273.	0.9	47
6	Beyond perceptual expertise: revisiting the neural substrates of expert object recognition. Frontiers in Human Neuroscience, 2013, 7, 885.	2.0	47
7	What is special about expertise? Visual expertise reveals the interactive nature of real-world object recognition. Neuropsychologia, 2016, 83, 88-99.	1.6	43
8	Mutual information of image fragments predicts categorization in humans: Electrophysiological and behavioral evidence. Vision Research, 2007, 47, 2010-2020.	1.4	35
9	Basic-level categorization of intermediate complexity fragments reveals top-down effects of expertise in visual perception. Journal of Vision, 2011, 11, 18-18.	0.3	28
10	Neuroanatomical correlates of visual car expertise. NeuroImage, 2012, 62, 147-153.	4.2	25
11	Association and dissociation between detection and discrimination of objects of expertise: Evidence from visual search. Attention, Perception, and Psychophysics, 2014, 76, 391-406.	1.3	21
12	The influence of behavioral relevance on the processing of global scene properties: An ERP study. Neuropsychologia, 2018, 114, 168-180.	1.6	14
13	Investigating Neural Sensorimotor Mechanisms Underlying Flight Expertise in Pilots: Preliminary Data From an EEG Study. Frontiers in Human Neuroscience, 2018, 12, 489.	2.0	12
14	Are All Types of Expertise Created Equal? Car Experts Use Different Spatial Frequency Scales for Subordinate Categorization of Cars and Faces. PLoS ONE, 2013, 8, e67024.	2.5	12
15	Artificially-generated scenes demonstrate the importance of global scene properties for scene perception. Neuropsychologia, 2020, 141, 107434.	1.6	8
16	How Configural Is the Configural Superiority Effect? A Neuroimaging Investigation of Emergent Features in Visual Cortex. Frontiers in Psychology, 2017, 8, 32.	2.1	7
17	Grasping the world from a cockpit: perspectives on embodied neural mechanisms underlying human performance and ergonomics in aviation context. Theoretical Issues in Ergonomics Science, 2018, 19, 692-711.	1.8	7
18	Establishing reference scales for scene naturalness and openness. Behavior Research Methods, 2019, 51, 1179-1186.	4.0	5

#	ARTICLE	IF	CITATIONS
19	Holding a stick at both ends: on faces and expertise. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 442.	2.0	4
20	Early electrophysiological correlates of scene perception are sensitive to inversion. <i>Journal of Vision</i> , 2019, 19, 190.	0.3	2
21	Children are sensitive to mutual information in intermediate-complexity face and non-face features. <i>Journal of Vision</i> , 2020, 20, 6.	0.3	2
22	A Neurocognitive Approach to Expertise in Visual Object Recognition. <i>Lecture Notes in Computer Science</i> , 2015, , 426-436.	1.3	1
23	Artificially-generated scenes demonstrate the importance of global scene properties for scene perception. <i>Journal of Vision</i> , 2017, 17, 312.	0.3	1
24	Early electrophysiological markers of navigational affordances in scenes. <i>Journal of Vision</i> , 2018, 18, 733.	0.3	1
25	Design Thinking Framework for Integration of Transparency Measures in Time-Critical Decision Support. <i>International Journal of Human-Computer Interaction</i> , 2022, 38, 1874-1890.	4.8	1
26	Neural Sensitivity to Mutual Information in Intermediate-Complexity Face Features Changes during Childhood. <i>Brain Sciences</i> , 2019, 9, 154.	2.3	0
27	Imaging Perception. , 2014, , 157-190.		0
28	Categorization specificity and semantic content impact the deployment of spatial attention. <i>Journal of Vision</i> , 2017, 17, 1231.	0.3	0
29	MEG decoding reveals the representational dynamics of task context in visual processing. <i>Journal of Vision</i> , 2017, 17, 1342.	0.3	0
30	Perceptual properties of scenes determine their subsequent memory. <i>Journal of Vision</i> , 2017, 17, 555.	0.3	0
31	Training expertise in scene recognition. <i>Journal of Vision</i> , 2018, 18, 149.	0.3	0
32	Seeing the world from above: Uncovering the neural basis of aerial scene recognition. <i>Journal of Vision</i> , 2019, 19, 190a.	0.3	0
33	Using fMRI to Predict Training Effectiveness in Visual Scene Analysis. <i>Lecture Notes in Computer Science</i> , 2020, , 14-26.	1.3	0