

Dirk B Walther

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

940
citations

759233

12
h-index

526287

27
g-index

44
all docs

44
docs citations

44
times ranked

787
citing authors

#	ARTICLE	IF	CITATIONS
1	Natural Scene Categories Revealed in Distributed Patterns of Activity in the Human Brain. <i>Journal of Neuroscience</i> , 2009, 29, 10573-10581.	3.6	314
2	Simple line drawings suffice for functional MRI decoding of natural scene categories. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 9661-9666.	7.1	189
3	Nonaccidental Properties Underlie Human Categorization of Complex Natural Scenes. <i>Psychological Science</i> , 2014, 25, 851-860.	3.3	68
4	Distinct roles of eye movements during memory encoding and retrieval. <i>Cognition</i> , 2019, 184, 119-129.	2.2	56
5	Contour junctions underlie neural representations of scene categories in high-level human visual cortex. <i>NeuroImage</i> , 2016, 135, 32-44.	4.2	39
6	Scene content is predominantly conveyed by high spatial frequencies in scene-selective visual cortex. <i>PLoS ONE</i> , 2017, 12, e0189828.	2.5	31
7	Good Exemplars of Natural Scene Categories Elicit Clearer Patterns than Bad Exemplars but Not Greater BOLD Activity. <i>PLoS ONE</i> , 2013, 8, e58594.	2.5	29
8	Modality-Independent Coding of Scene Categories in Prefrontal Cortex. <i>Journal of Neuroscience</i> , 2018, 38, 5969-5981.	3.6	27
9	Neural codes of seeing architectural styles. <i>Scientific Reports</i> , 2017, 7, 40201.	3.3	26
10	Discriminating scene categories from brain activity within 100 milliseconds. <i>Cortex</i> , 2018, 106, 275-287.	2.4	24
11	Local contour symmetry facilitates scene categorization. <i>Cognition</i> , 2019, 182, 307-317.	2.2	23
12	Effects of Spatial Frequency Filtering Choices on the Perception of Filtered Images. <i>Vision (Switzerland)</i> , 2020, 4, 29.	1.2	17
13	Scene Categorization From Contours: Medial Axis Based Saliency Measures. , 2019, , .		13
14	Spatial relationships between contours impact rapid scene classification. <i>Journal of Vision</i> , 2018, 18, 1.	0.3	12
15	Concavity as a diagnostic feature of visual scenes. <i>NeuroImage</i> , 2021, 232, 117920.	4.2	12
16	Mid-level feature contributions to category-specific gaze guidance. <i>Attention, Perception, and Psychophysics</i> , 2019, 81, 35-46.	1.3	8
17	The Development of Attention to Objects and Scenes: From Object-Biased to Unbiased. <i>Child Development</i> , 2021, 92, 1173-1186.	3.0	7
18	Scene wheels: Measuring perception and memory of real-world scenes with a continuous stimulus space. <i>Behavior Research Methods</i> , 2022, 54, 444-456.	4.0	7

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19	Children automatically abstract categorical regularities during statistical learning. <i>Developmental Science</i> , 2021, 24, e13072.	2.4	6
20	The role of local and global symmetry in pleasure, interest, and complexity judgments of natural scenes.. <i>Psychology of Aesthetics, Creativity, and the Arts</i> , 2023, 17, 322-337.	1.3	6
21	Contour features predict valence and threat judgements in scenes. <i>Scientific Reports</i> , 2021, 11, 19405.	3.3	6
22	Representational differences between line drawings and photographs of natural scenes: A dissociation between multi-voxel pattern analysis and repetition suppression. <i>Neuropsychologia</i> , 2018, 117, 513-519.	1.6	4
23	Content, not context, facilitates memory for real-world scenes. <i>Visual Cognition</i> , 2015, 23, 852-855.	1.6	2
24	Neural Representations in the Prefrontal Cortex Are Task Dependent for Scene Attributes But Not for Scene Categories. <i>Journal of Neuroscience</i> , 2021, 41, 7234-7245.	3.6	2
25	Measuring complexity of images using Multiscale Entropy. <i>Journal of Vision</i> , 2019, 19, 96a.	0.3	2
26	Where to draw the line?. <i>PLoS ONE</i> , 2021, 16, e0258376.	2.5	2
27	Neural correlates of local parallelism during naturalistic vision. <i>PLoS ONE</i> , 2022, 17, e0260266.	2.5	2
28	A Bayesian Test for Comparing Classifier Errors. , 2015, , .		1
29	Modeling the effect of stimulus perturbations on error correlations between brain and behavior. , 2017, , .		1
30	No evidence for gender and cultural differences in eye movements – a meta-analysis. <i>Journal of Vision</i> , 2021, 21, 2990.	0.3	1
31	The perceptual advantage of symmetry for scene perception. <i>Journal of Vision</i> , 2017, 17, 1091.	0.3	1
32	Dynamic Representations in Visual Working Memory. <i>Journal of Vision</i> , 2020, 20, 900.	0.3	1
33	Using decoding error patterns to trace the neural signature of auditory scene perception. , 2018, , .		0
34	Increased scene exploration does not enhance memory. <i>Journal of Vision</i> , 2017, 17, 535.	0.3	0
35	Category-specific guidance of gaze in photographs and line drawings. <i>Journal of Vision</i> , 2018, 18, 236.	0.3	0
36	Scene content is predominantly conveyed by high spatial frequencies in scene-selective visual cortex. <i>Journal of Vision</i> , 2018, 18, 1241.	0.3	0

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37	Measuring local symmetry in real-world scenes. <i>Journal of Vision</i> , 2018, 18, 749.	0.3	0
38	Neural coding of non-visual properties inferred from images of natural scene. <i>Journal of Vision</i> , 2019, 19, 189b.	0.3	0
39	Perceptual grouping aids recognition of line drawings of scenes by CNNs. <i>Journal of Vision</i> , 2019, 19, 129.	0.3	0
40	The neural basis of local contour symmetry in scene perception. <i>Journal of Vision</i> , 2019, 19, 189a.	0.3	0
41	Contour features predict positive and negative emotional valence judgements. <i>Journal of Vision</i> , 2019, 19, 98.	0.3	0
42	Saliency Map Predictions of DeepGaze II are Influenced by the Convolutional Neural Network Texture Bias. <i>Journal of Vision</i> , 2020, 20, 963.	0.3	0