Daniel Kersten

List of Publications by Year
in descending order

50 papers	5,774 citations	172207 29 h-index	214527 47 g-index
50 all docs	50 docs citations	50 times ranked	3728 citing authors

#	Article	IF	Citations
1	Multivoxel Pattern of Blood Oxygen Level Dependent Activity can be sensitive to stimulus specific fine scale responses. Scientific Reports, 2020, 10, 7565.	1.6	10
2	The Fusiform Body Area Represents Spatial Relationships Between Pairs of Body Parts. Journal of Vision, 2018, 18, 408.	0.1	1
3	Relational Representation of Body Parts Revealed by Adaptation. Journal of Vision, 2017, 17, 1238.	0.1	0
4	Responses in early visual areas to contour integration are context dependent. Journal of Vision, 2016, 16, 19.	0.1	14
5	Temporally flexible feedback signal to foveal cortex for peripheral object recognition. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 11627-11632.	3.3	31
6	Attention modulates neuronal correlates of interhemispheric integration and global motion perception. Journal of Vision, 2014, 14, 30-30.	0.1	19
7	Object recognition in clutter: cortical responses depend on the type of learning. Frontiers in Human Neuroscience, 2012, 6, 170.	1.0	9
8	Opposite Modulation of High- and Low-Level Visual Aftereffects by Perceptual Grouping. Current Biology, 2012, 22, 1040-1045.	1.8	25
9	How Haptic Size Sensations Improve Distance Perception. PLoS Computational Biology, 2011, 7, e1002080.	1.5	47
10	Vision: When Does Looking Bigger Mean Seeing Better?. Current Biology, 2010, 20, R398-R399.	1.8	3
11	Perceptual grouping-dependent lightness processing in human early visual cortex. Journal of Vision, 2010, 10, 4-4.	0.1	11
12	A Link between Visual Disambiguation and Visual Memory. Journal of Neuroscience, 2010, 30, 15124-15133.	1.7	32
13	Within- and Cross-Modal Distance Information Disambiguate Visual Size-Change Perception. PLoS Computational Biology, 2010, 6, e1000697.	1.5	14
14	Border Ownership Selectivity in Human Early Visual Cortex and its Modulation by Attention. Journal of Neuroscience, 2009, 29, 460-465.	1.7	65
15	Attention-Dependent Representation of a Size Illusion in Human V1. Current Biology, 2008, 18, 1707-1712.	1.8	149
16	Preferential responses to occluded objects in the human visual cortex. Journal of Vision, 2008, 8, 16.	0.1	33
17	Responses to Lightness Variations in Early Human Visual Cortex. Current Biology, 2007, 17, 989-993.	1.8	61
18	Vision as Bayesian inference: analysis by synthesis?. Trends in Cognitive Sciences, 2006, 10, 301-308.	4.0	714

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19	Spatially Specific fMRI Repetition Effects in Human Visual Cortex. Journal of Neurophysiology, 2006, 95, 2439-2445.	0.9	36
20	The representation of perceived angular size in human primary visual cortex. Nature Neuroscience, 2006, 9, 429-434.	7.1	356
21	Orientation-Tuned fMRI Adaptation in Human Visual Cortex. Journal of Neurophysiology, 2005, 94, 4188-4195.	0.9	170
22	Is prior knowledge of object geometry used in visually guided reaching?. Journal of Vision, 2005, 5, 2-2.	0.1	25
23	Pattern Inference Theory: A Probabilistic Approach to Vision. , 2005, , 191-228.		15
24	Classification objects, ideal observers & generative models. Cognitive Science, 2004, 28, 227-239.	0.8	13
25	Perceptual grouping and the interactions between visual cortical areas. Neural Networks, 2004, 17, 695-705.	3.3	165
26	Object Perception as Bayesian Inference. Annual Review of Psychology, 2004, 55, 271-304.	9.9	1,113
27	Classification objects, ideal observers & generative models. Cognitive Science, 2004, 28, 227-239.	0.8	7
28	Bayesian models of object perception. Current Opinion in Neurobiology, 2003, 13, 150-158.	2.0	222
29	Three-dimensional symmetric shapes are discriminated more efficiently than asymmetric ones. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2003, 20, 1331.	0.8	29
30	Is Color an Intrinsic Property of Object Representation?. Perception, 2003, 32, 667-680.	0.5	110
31	Bootstrapped learning of novel objects. Journal of Vision, 2003, 3, 2.	0.1	73
32	Shape perception reduces activity in human primary visual cortex. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 15164-15169.	3.3	421
33	Object Perception: Generative Image Models and Bayesian Inference. Lecture Notes in Computer Science, 2002, , 207-218.	1.0	5
34	Illusions, perception and Bayes. Nature Neuroscience, 2002, 5, 508-510.	7.1	208
35	How Optimal Depth Cue Integration Depends on the Task. International Journal of Computer Vision, 2000, 40, 71-89.	10.9	35
36	Dissociating stimulus information from internal representationâ€"a case study in object recognition. Vision Research, 1999, 39, 603-612.	0.7	18

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37	Viewpoint-Dependent Recognition of Familiar Faces. Perception, 1999, 28, 483-487.	0.5	59
38	The perception of cast shadows. Trends in Cognitive Sciences, 1998, 2, 288-295.	4.0	172
39	2D observers for human 3D object recognition?. Vision Research, 1998, 38, 2507-2519.	0.7	25
40	Moving Cast Shadows Induce Apparent Motion in Depth. Perception, 1997, 26, 171-192.	0.5	168
41	Geometry of shadows. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1997, 14, 3216.	0.8	44
42	Inverse 3-D graphics: A metaphor for visual perception. Behavior Research Methods, 1997, 29, 37-46.	1.3	14
43	Illusory motion from shadows. Nature, 1996, 379, 31-31.	13.7	129
44	Object classification for human and ideal observers. Vision Research, 1995, 35, 549-568.	0.7	128
45	Human efficiency for recognizing 3-D objects in luminance noise. Vision Research, 1995, 35, 3053-3069.	0.7	143
46	Interaction between Transparency and Structure from Motion. Neural Computation, 1992, 4, 573-589.	1.3	32
47	Structure-from-motion based on information at surface boundaries. Biological Cybernetics, 1992, 66, 327-333.	0.6	12
48	Apparent surface curvature affects lightness perception. Nature, 1991, 351, 228-230.	13.7	244
49	Contrast discrimination in noise. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1987, 4, 391.	0.8	264
50	Spatial summation in visual noise. Vision Research, 1984, 24, 1977-1990.	0.7	81