Pawan Sinha

List of Publications by Year
in descending order

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Version: 2024-02-01

85 papers	4,205 citations	172457 29 h-index	118850 62 g-index
86 all docs	86 docs citations	86 times ranked	3981 citing authors

#	Article	IF	Citations
1	Face Recognition by Humans: Nineteen Results All Computer Vision Researchers Should Know About. Proceedings of the IEEE, 2006, 94, 1948-1962.	21.3	509
2	Autism as a disorder of prediction. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 15220-15225.	7.1	396
3	The Role of Eyebrows in Face Recognition. Perception, 2003, 32, 285-293.	1.2	282
4	Effects of early experience on children's recognition of facial displays of emotion.. Developmental Psychology, 2002, 38, 784-791.	1.6	239
5	The newly sighted fail to match seen with felt. Nature Neuroscience, 2011, 14, 551-553.	14.8	188
6	Role of learning in three-dimensional form perception. Nature, 1996, 384, 460-463.	27.8	170
7	Contribution of Color to Face Recognition. Perception, 2002, 31, 995-1003.	1.2	167
8	Top-down influences on stereoscopic depth-perception. Nature Neuroscience, 1998, 1, 254-257.	14.8	156
9	Contextually Evoked Object-Specific Responses in Human Visual Cortex. Science, 2004, 304, 115-117.	12.6	156
10	Vision Following Extended Congenital Blindness. Psychological Science, 2006, 17, 1009-1014.	3.3	141
11	Lateralization of face processing in the human brain. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 2052-2061.	2.6	136
12	Is Pigmentation Important for Face Recognition? Evidence from Contrast Negation. Perception, 2006, 35, 749-759.	1.2	129
13	Perceiving Illumination Inconsistencies in Scenes. Perception, 2005, 34, 1301-1314.	1.2	113
14	Visual Parsing After Recovery From Blindness. Psychological Science, 2009, 20, 1484-1491.	3.3	105
15	The utility of surface reflectance for the recognition of upright and inverted faces. Vision Research, 2007, 47, 157-165.	1.4	89
16	Development of pattern vision following early and extended blindness. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 2035-2039.	7.1	84
17	Face Recognition by Computers and Humans. Computer, 2010, 43, 46-55.	1.1	80
18	Potential downside of high initial visual acuity. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 11333-11338.	7.1	77

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19	Role of ordinal contrast relationships in face encoding. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 5353-5358.	7.1	68
20	Real-World Face Recognition: The Importance of Surface Reflectance Properties. Perception, 2007, 36, 1368-1374.	1.2	66
21	Prediction in Autism Spectrum Disorder: A Systematic Review of Empirical Evidence. Autism Research, 2021, 14, 604-630.	3.8	64
22	Object recognition and Random Image Structure Evolution. Cognitive Science, 2004, 28, 259-287.	1.7	62
23	Why Does the Cortex Reorganize after Sensory Loss?. Trends in Cognitive Sciences, 2018, 22, 569-582.	7.8	51
24	Last but Not Least. Perception, 2000, 29, 1005-1008.	1.2	47
25	Immediate susceptibility to visual illusions after sight onset. Current Biology, 2015, 25, R358-R359.	3.9	45
26	Results of late surgical intervention in children with early-onset bilateral cataracts. British Journal of Ophthalmology, 2014, 98, 1424-1428.	3.9	41
27	Recognizing Degraded Faces: The Contribution of Configural and Featural Cues. Perception, 2012, 41, 1497-1511.	1.2	39
28	Imaging prior information in the brain. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 7935-7940.	7.1	37
29	Topâ€“down learning of low-level vision tasks. Current Biology, 1997, 7, 991-994.	3.9	35
30	Emergence of categorical face perception after extended early-onset blindness. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 6139-6143.	7.1	31
31	Neural Correlates of Letter Reversal in Children and Adults. PLoS ONE, 2014, 9, e98386.	2.5	30
32	Reduced Sensory Habituation in Autism and Its Correlation with Behavioral Measures. Journal of Autism and Developmental Disorders, 2021, 51, 3153-3164.	2.7	28
33	A Perceptually Based Comparison of Image Similarity Metrics. Perception, 2011, 40, 1269-1281.	1.2	27
34	EEG correlates of categorical and graded face perception. Neuropsychologia, 2011, 49, 3847-3853.	1.6	23
35	Once Blind and Now They See. Scientific American, 2013, 309, 48-55.	1.0	21
36	Improvement in Spatial Imagery Following Sight Onset Late in Childhood. Psychological Science, 2014, 25, 693-701.	3.3	19

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37	Sight restoration. F1000 Medicine Reports, 2012, 4, 17.	2.9	19
38	â€œFilling-inâ€•colour in natural scenes. Visual Cognition, 2007, 15, 765-778.	1.6	18
39	Neural correlates of the food/non-food visual distinction. Biological Psychology, 2016, 115, 35-42.	2.2	18
40	Biederman and Cooper's 1991 Paper. Perception, 2009, 38, 809-825.	1.2	17
41	Visual object concept discovery: Observations in congenitally blind children, and a computational approach. Neurocomputing, 2007, 70, 2218-2233.	5.9	16
42	Observinga Object Motion Induces Increased Generalization and Sensitivity. Perception, 2008, 37, 1160-1174.	1.2	15
43	Restoring Vision through â€œProject Prakashâ€• The Opportunities for Merging Science and Service. PLoS Biology, 2013, 11, e1001741.	5.6	15
44	Mechanisms underlying simultaneous brightness contrast: Early and innate. Vision Research, 2020, 173, 41-49.	1.4	15
45	Recognizing Facial Slivers. Journal of Cognitive Neuroscience, 2018, 30, 951-962.	2.3	14
46	Perception of Tactile Graphics: Embossings Versus Cutouts. Multisensory Research, 2014, 27, 111-125.	1.1	13
47	Autonomic and Electrophysiological Evidence for Reduced Auditory Habituation in Autism. Journal of Autism and Developmental Disorders, 2021, 51, 2218-2228.	2.7	11
48	Superimposed Hemifields in Primary Visual Cortex of Achiasmic Individuals. Neuron, 2012, 75, 353-355.	8.1	10
49	Receptive Field Structures for Recognition. Neural Computation, 2006, 18, 497-520.	2.2	7
50	Resilience of temporal processing to early and extended visual deprivation. Vision Research, 2021, 186, 80-86.	1.4	7
51	Receptive Field Structures for Recognition. Neural Computation, 2006, 18, 497-520.	2.2	7
52	Role of motion integration in contour perception. Vision Research, 2001, 41, 705-710.	1.4	6
53	EEG responses to facial contrast-chimeras. Journal of Integrative Neuroscience, 2012, 11, 201-211.	1.7	6
54	NeuroScience and Service. Neuron, 2016, 92, 647-652.	8.1	6

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55	The role of sequence order in determining view canonicality for novel wire-frame objects. Attention, Perception, and Psychophysics, 2009, 71, 712-723.	1.3	4
56	Influence of visual feedback persistence on visuo-motor skill improvement. Scientific Reports, 2021, 11, 17347.	3.3	4
57	Development of facial expression recognition following extended blindness: The importance of motion. Journal of Vision, 2019, 19, 21a.	0.3	3
58	Human (but not animal) motion can be recognized at first sight â€“ After treatment for congenital blindness. Neuropsychologia, 2022, 174, 108307.	1.6	3
59	Learned prediction affects body perception. Visual Cognition, 2009, 17, 679-699.	1.6	2
60	Reduced Habituation to Naturalistic Stimuli in Autism. Journal of Vision, 2016, 16, 478.	0.3	2
61	Prenatal auditory experience and its sequelae. Developmental Science, 2023, 26, e13278.	2.4	2
62	Portraits and perception: configural information in creating and recognizing face images. Spatial Vision, 2008, 21, 119-135.	1.4	1
63	Motion sequence analysis in the presence of figural cues. Neurocomputing, 2015, 147, 485-491.	5.9	1
64	Response to Katzhendler and Weinshall: Initial visual degradation during development may be adaptive. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 18767-18768.	7.1	1
65	Impact of Temporal Visual Flicker on Spatial Contrast Sensitivity in Myopia. Frontiers in Neuroscience, 2021, 15, 710344.	2.8	1
66	White-Matter Plasticity Following Sight-Restoration in Congenitally Blind Patients. Journal of Vision, 2019, 19, 277d.	0.3	1
67	Analyzing Dynamic Faces: Key Computational Challenges. , 2010, , 177-186.		1
68	Characterizing Global Motion Perception Following Treatment for Bilateral Congenital Cataracts. Journal of Vision, 2019, 19, 285c.	0.3	1
69	Development of Visual Memory Capacity Following Early-Onset and Extended Blindness. Psychological Science, 2022, 33, 847-858.	3.3	1
70	Visual perspective taking is not automatic in a simplified Dot task: Evidence from newly sighted children, primary school children and adults. Neuropsychologia, 2022, 172, 108256.	1.6	1
71	Head turning is an effective cue for gaze following: Evidence from newly sighted individuals, school children and adults. Neuropsychologia, 2022, , 108330.	1.6	1
72	The Coherence of Subjective Gratings. Vision Research, 1996, 36, 3661-3665.	1.4	0

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73	Doggone Dalmatian!. Perception, 1997, 26, 667-667.	1.2	0
74	Use of 2D Similarity Metrics for 3D Object Recognition. IETE Journal of Research, 2003, 49, 113-125.	2.6	0
75	Pawan Sinha. Current Biology, 2017, 27, R329-R331.	3.9	0
76	Enhancing research with Plenary Labs. Science and Public Policy, 2017, 44, 434-439.	2.4	0
77	Drawing from the Mindâ€™s Eye: The Development of Drawing in Sight-Restored Children.. Journal of Vision, 2021, 21, 2842.	0.3	0
78	A possible account of impairments in configural face processing following early visual deprivation. Journal of Vision, 2016, 16, 1120.	0.3	0
79	Top-Down Knowledge Improves Recognition of Noisy Haptic Patterns in the Blind and Sighted. Journal of Vision, 2016, 16, 144.	0.3	0
80	Neural Correlates of Dynamic Face Perception. Journal of Vision, 2017, 17, 266.	0.3	0
81	How does poor initial acuity impact visual development? A computational investigation. Journal of Vision, 2017, 17, 1105.	0.3	0
82	Temporal consequences of spatial acuity reduction. Journal of Vision, 2019, 19, 206c.	0.3	0
83	How the Brain Learns to See Biological Motion After Recovering from Visual Deprivation. Journal of Vision, 2019, 19, 191a.	0.3	0
84	Challenges in object recognition: selectivity vs invariance. Perception, 2009, 38, 820-1; discussion 824-5.	1.2	0
85	Vulnerability of facial attractiveness perception to early and multiâ€year visual deprivation. Developmental Science, 2022, , .	2.4	0