

Irving Biederman

List of Publications by Year in descending order

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Version: 2024-02-01

76
papers

11,544
citations

134610

34
h-index

120465

65
g-index

82
all docs

82
docs citations

82
times ranked

5345
citing authors

#	ARTICLE	IF	CITATIONS
1	The sizable difficulty in matching unfamiliar faces differing only moderately in orientation in depth is a function of image dissimilarity. <i>Vision Research</i> , 2022, 194, 107959.	0.7	0
2	Geons. , 2021, , 526-535.		0
3	Visual noise consisting of X-junctions has only a minimal adverse effect on object recognition. <i>Attention, Perception, and Psychophysics</i> , 2020, 82, 995-1002.	0.7	0
4	Vision: A Product of a Society of Independent Experts. <i>Current Biology</i> , 2020, 30, R1043-R1045.	1.8	0
5	Pigeons spontaneously form three-dimensional shape categories. <i>Behavioural Processes</i> , 2019, 158, 70-76.	0.5	5
6	A face in a (temporal) crowd. <i>Vision Research</i> , 2019, 157, 55-60.	0.7	8
7	The Capacity for Face Perception is Independent of the Capacity for Face Memory. <i>Journal of Vision</i> , 2019, 19, 139a.	0.1	0
8	Congenital Prosopagnosics Show Reduced Configural Effects in an Odd-Man-Out Detection Task. <i>Journal of Vision</i> , 2019, 19, 22c.	0.1	0
9	The cognitive neuroscience of person identification. <i>Neuropsychologia</i> , 2018, 116, 205-214.	0.7	7
10	What Is Actually Affected by the Scrambling of Objects When Localizing the Lateral Occipital Complex?. <i>Journal of Cognitive Neuroscience</i> , 2017, 29, 1595-1604.	1.1	12
11	Can Familiar Faces be Negatively Detected at RSVP Rates?. <i>Journal of Vision</i> , 2017, 17, 1027.	0.1	2
12	What is the Perceptual Deficit in Developmental Prosopagnosia?. <i>Journal of Vision</i> , 2017, 17, 619.	0.1	3
13	The Lateral Occipital Complex shows no net response to object familiarity. <i>Journal of Vision</i> , 2016, 16, 3.	0.1	12
14	Effective signaling of surface boundaries by L-vertices reflect the consistency of their contrast in natural images. <i>Journal of Vision</i> , 2016, 16, 15.	0.1	1
15	The Neural Correlates of Humor Creativity. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 597.	1.0	36
16	An estimate of the prevalence of developmental phonagnosia. <i>Brain and Language</i> , 2016, 159, 84-91.	0.8	15
17	An applet for the Gabor similarity scaling of the differences between complex stimuli. <i>Attention, Perception, and Psychophysics</i> , 2016, 78, 2298-2306.	0.7	19
18	Using the reassignment procedure to test object representation in pigeons and people. <i>Learning and Behavior</i> , 2015, 43, 188-207.	0.5	0

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19	Developmental phonagnosia: Neural correlates and a behavioral marker. <i>Brain and Language</i> , 2015, 149, 106-117.	0.8	16
20	Ha Ha! Versus Aha! A Direct Comparison of Humor to Nonhumorous Insight for Determining the Neural Correlates of Mirth. <i>Cerebral Cortex</i> , 2015, 25, 1405-1413.	1.6	72
21	A neurocomputational account of the face configural effect. <i>Journal of Vision</i> , 2014, 14, 9-9.	0.1	11
22	Neural Correlates of Face Detection. <i>Cerebral Cortex</i> , 2014, 24, 1555-1564.	1.6	10
23	Greater sensitivity to nonaccidental than metric shape properties in preschool children. <i>Vision Research</i> , 2014, 97, 83-88.	0.7	17
24	Geons. , 2014, , 338-346.		0
25	Cortical Representation of Medial Axis Structure. <i>Cerebral Cortex</i> , 2013, 23, 629-637.	1.6	61
26	Greater sensitivity to nonaccidental than metric changes in the relations between simple shapes in the lateral occipital cortex. <i>NeuroImage</i> , 2012, 63, 1818-1826.	2.1	20
27	Predicting the psychophysical similarity of faces and non-face complex shapes by image-based measures. <i>Vision Research</i> , 2012, 55, 41-46.	0.7	48
28	Sensitivity to nonaccidental properties across various shape dimensions. <i>Vision Research</i> , 2012, 62, 35-43.	0.7	38
29	The neural basis for shape preferences. <i>Vision Research</i> , 2011, 51, 2198-2206.	0.7	34
30	Loci of the release from fMRI adaptation for changes in facial expression, identity, and viewpoint. <i>Journal of Vision</i> , 2010, 10, 36-36.	0.1	51
31	A cross-cultural study of the representation of shape: Sensitivity to generalized cone dimensions. <i>Visual Cognition</i> , 2010, 18, 50-66.	0.9	6
32	Representation of Shape in Individuals From a Culture With Minimal Exposure to Regular, Simple Artifacts: Sensitivity to Nonaccidental Versus Metric Properties. <i>Psychological Science</i> , 2009, 20, 1437-1442.	1.8	28
33	Adaptation to objects in the lateral occipital complex (LOC): Shape or semantics?. <i>Vision Research</i> , 2009, 49, 2297-2305.	0.7	56
34	Adaptation in the fusiform face area (FFA): Image or person?. <i>Vision Research</i> , 2009, 49, 2800-2807.	0.7	47
35	Biederman and Cooper's 1991 Paper. <i>Perception</i> , 2009, 38, 809-825.	0.5	17
36	Pigeons and humans are more sensitive to nonaccidental than to metric changes in visual objects. <i>Behavioural Processes</i> , 2008, 77, 199-209.	0.5	27

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37	17000 Years of Depicting the Junction of Two Smooth Shapes. Perception, 2008, 37, 161-164.	0.5	18
38	The deleterious effect of contrast reversal on recognition is unique to faces, not objects. Vision Research, 2007, 47, 2134-2142.	0.7	46
39	Recent Psychophysical and Neural Research in Shape Recognition. , 2007, , 71-88.		8
40	Effects of varying stimulus size on object recognition in pigeons.. Journal of Experimental Psychology, 2006, 32, 419-430.	1.9	24
41	What makes faces special?. Vision Research, 2006, 46, 3802-3811.	0.7	88
42	Neural evidence for intermediate representations in object recognition. Vision Research, 2006, 46, 4024-4031.	0.7	84
43	Do Humans and Baboons Use the Same Information When Categorizing Human and Baboon Faces?. Psychological Science, 2006, 17, 599-607.	1.8	39
44	Representation of Regular and Irregular Shapes in Macaque Inferotemporal Cortex. Cerebral Cortex, 2005, 15, 1308-1321.	1.6	73
45	Making the ineffable explicit: estimating the information employed for face classifications. Cognitive Science, 2004, 28, 209-226.	0.8	126
46	Making the ineffable explicit: estimating the information employed for face classifications. Cognitive Science, 2004, 28, 209-226.	0.8	44
47	Less impairment in face imagery than face perception in early prosopagnosia. Neuropsychologia, 2003, 41, 421-441.	0.7	27
48	Shape Tuning in Macaque Inferior Temporal Cortex. Journal of Neuroscience, 2003, 23, 3016-3027.	1.7	108
49	Effects of Illumination Intensity and Direction on Object Coding in Macaque Inferior Temporal Cortex. Cerebral Cortex, 2002, 12, 756-766.	1.6	45
50	Learning an object from multiple views enhances its recognition in an orthogonal rotational axis in pigeons. Vision Research, 2002, 42, 2051-2062.	0.7	23
51	On the Relation between Kanizsa's Bias Towards Convexity and the Gestaltists Prägnanz from the Perspective of Current in Shape Recognition. Axiomathes, 2002, 13, 329-346.	0.3	0
52	Invariance of long-term visual priming to scale, reflection, translation, and hemisphere. Vision Research, 2001, 41, 221-234.	0.7	47
53	Size tuning in the absence of spatial frequency tuning in object recognition. Vision Research, 2001, 41, 1931-1950.	0.7	22
54	Discrimination of geons by pigeons: The effects of variations in surface depiction. Learning and Behavior, 2001, 29, 97-106.	3.4	23

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55	Inferior Temporal Neurons Show Greater Sensitivity to Nonaccidental than to Metric Shape Differences. <i>Journal of Cognitive Neuroscience</i> , 2001, 13, 444-453.	1.1	87
56	Seeing things from a different angle: The pigeon's recognition of single geons rotated in depth.. <i>Journal of Experimental Psychology</i> , 2000, 26, 115-132.	1.9	24
57	Recognizing depth-rotated objects: A review of recent research and theory. <i>Spatial Vision</i> , 2000, 13, 241-253.	1.4	74
58	Differing views on views: response to Hayward and Tarr (2000). <i>Vision Research</i> , 2000, 40, 3901-3905.	0.7	18
59	Accurate identification but no priming and chance recognition memory for pictures in RSVP sequences. <i>Visual Cognition</i> , 2000, 7, 511-535.	0.9	44
60	Subordinate-level object classification reexamined. <i>Psychological Research</i> , 1999, 62, 131-153.	1.0	62
61	One-shot viewpoint invariance in matching novel objects. <i>Vision Research</i> , 1999, 39, 2885-2899.	0.7	172
62	Neurocomputational bases of object and face recognition. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 1997, 352, 1203-1219.	1.8	217
63	The pigeon's recognition of drawings of depth-rotated stimuli.. <i>Journal of Experimental Psychology</i> , 1996, 22, 205-221.	1.9	29
64	To what extent can matching algorithms based on direct outputs of spatial filters account for human object recognition?. <i>Spatial Vision</i> , 1996, 10, 237-271.	1.4	47
65	Viewpoint-dependent mechanisms in visual object recognition: Reply to Tarr and Bülthoff (1995).. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 1995, 21, 1506-1514.	0.7	195
66	Size Invariance in Visual Object Priming of Gray-Scale Images. <i>Perception</i> , 1995, 24, 741-748.	0.5	40
67	Recognizing depth-rotated objects: Evidence and conditions for three-dimensional viewpoint invariance.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 1993, 19, 1162-1182.	0.7	495
68	Metric invariance in object recognition: A review and further evidence.. <i>Canadian Journal of Psychology</i> , 1992, 46, 191-214.	0.8	98
69	Size invariance in visual object priming.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 1992, 18, 121-133.	0.7	337
70	Dynamic binding in a neural network for shape recognition.. <i>Psychological Review</i> , 1992, 99, 480-517.	2.7	987
71	Priming contour-deleted images: Evidence for intermediate representations in visual object recognition. <i>Cognitive Psychology</i> , 1991, 23, 393-419.	0.9	381
72	Evidence for Complete Translational and Reflectional Invariance in Visual Object Priming. <i>Perception</i> , 1991, 20, 585-593.	0.5	352

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73	Surface versus edge-based determinants of visual recognition. <i>Cognitive Psychology</i> , 1988, 20, 38-64.	0.9	575
74	Recognition-by-components: A theory of human image understanding.. <i>Psychological Review</i> , 1987, 94, 115-147.	2.7	4,803
75	Scene perception: Detecting and judging objects undergoing relational violations. <i>Cognitive Psychology</i> , 1982, 14, 143-177.	0.9	971
76	Pattern goodness and pattern recognition.. , 0, , 73-95.		8