

Qasim Zaidi

List of Publications by Year in descending order

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87
papers

2,996
citations

172207

29
h-index

182168

51
g-index

91
all docs

91
docs citations

91
times ranked

1500
citing authors

#	ARTICLE	IF	CITATIONS
1	Neural Locus of Color Afterimages. <i>Current Biology</i> , 2012, 22, 220-224.	1.8	324
2	Chromatic properties of neurons in macaque MT. <i>Visual Neuroscience</i> , 1994, 11, 455-466.	0.5	155
3	Neuronal nonlinearity explains greater visual spatial resolution for darks than lights. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 3170-3175.	3.3	115
4	Specificity of Cone Inputs to Macaque Retinal Ganglion Cells. <i>Journal of Neurophysiology</i> , 2006, 95, 837-849.	0.9	109
5	Visual mechanisms that signal the direction of color changes. <i>Vision Research</i> , 1993, 33, 1037-1051.	0.7	97
6	Perception of three-dimensional shape from texture is based on patterns of oriented energy. <i>Vision Research</i> , 2000, 40, 217-242.	0.7	96
7	Mechanisms of simultaneous color induction. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 1986, 3, 1752.	0.8	94
8	Lateral interactions within color mechanism in simultaneous induced contrast. <i>Vision Research</i> , 1992, 32, 1695-1707.	0.7	89
9	Neuronal and Perceptual Differences in the Temporal Processing of Darks and Lights. <i>Neuron</i> , 2014, 82, 224-234.	3.8	83
10	Colour constancy in context: Roles for local adaptation and levels of reference. <i>Journal of Vision</i> , 2004, 4, 3.	0.1	73
11	Darks Are Processed Faster Than Lights. <i>Journal of Neuroscience</i> , 2011, 31, 8654-8658.	1.7	71
12	Interactions between color and luminance in the perception of orientation. <i>Journal of Vision</i> , 2003, 3, 1.	0.1	67
13	Color constancy in variegated scenes: role of low-level mechanisms in discounting illumination changes. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 1997, 14, 2608.	0.8	60
14	Adaptive orthogonalization of opponent-color signals. <i>Biological Cybernetics</i> , 1993, 69, 415-428.	0.6	58
15	The effect of adaptation on the differential sensitivity of the S-cone color system. <i>Vision Research</i> , 1992, 32, 1297-1318.	0.7	57
16	Induced Effects of Backgrounds and Foregrounds in Three-Dimensional Configurations: The Role of T-Junctions. <i>Perception</i> , 1997, 26, 395-408.	0.5	53
17	Identification of illuminant and object colors: heuristic-based algorithms. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 1998, 15, 1767.	0.8	51
18	Rigid Objects That Appear to Bend. <i>Perception</i> , 1998, 27, 799-802.	0.5	48

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19	Nonselective Wiring Accounts for Red-Green Opponency in Midget Ganglion Cells of the Primate Retina. <i>Journal of Neuroscience</i> , 2018, 38, 1520-1540.	1.7	47
20	Salience of unique hues and implications for color theory. <i>Journal of Vision</i> , 2015, 15, 10-10.	0.1	46
21	Limits of lightness identification for real objects under natural viewing conditions. <i>Journal of Vision</i> , 2004, 4, 9.	0.1	42
22	Chromatic and luminance signals in visual memory. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 1992, 9, 877.	0.8	39
23	Cues and strategies for color constancy: perceptual scission, image junctions and transformational color matching. <i>Vision Research</i> , 2002, 42, 211-226.	0.7	39
24	Cortical Balance Between ON and OFF Visual Responses Is Modulated by the Spatial Properties of the Visual Stimulus. <i>Cerebral Cortex</i> , 2019, 29, 336-355.	1.6	39
25	Sensory and physical determinants of perceived achromatic transparency. <i>Journal of Vision</i> , 2002, 2, 3.	0.1	38
26	Discerning nonrigid 3D shapes from motion cues. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 1663-1668.	3.3	38
27	Connectomic Identification and Three-Dimensional Color Tuning of S-OFF Midget Ganglion Cells in the Primate Retina. <i>Journal of Neuroscience</i> , 2019, 39, 7893-7909.	1.7	36
28	The effects of prolonged temporal modulation on the differential response of color mechanisms. <i>Vision Research</i> , 1992, 32, 2065-2075.	0.7	35
29	Functional implications of orientation maps in primary visual cortex. <i>Nature Communications</i> , 2016, 7, 13529.	5.8	35
30	Three-dimensional shape from non-homogeneous textures: Carved and stretched surfaces. <i>Journal of Vision</i> , 2004, 4, 3.	0.1	33
31	Color strategies for object identification. <i>Vision Research</i> , 2008, 48, 2673-2681.	0.7	32
32	Accuracy of color scission for spectral transparencies. <i>Journal of Vision</i> , 2002, 2, 3.	0.1	30
33	Perceptual Spaces: Mathematical Structures to Neural Mechanisms. <i>Journal of Neuroscience</i> , 2013, 33, 17597-17602.	1.7	30
34	Visual processing of motion boundaries. <i>Vision Research</i> , 1995, 35, 807-826.	0.7	29
35	Brightness Induction from Uniform and Complex Surrounds: A General Model. <i>Vision Research</i> , 1996, 36, 1893-1906.	0.7	29
36	Color constancy in a rough world. <i>Color Research and Application</i> , 2001, 26, S192-S200.	0.8	29

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37	Limitations on shape information provided by texture cues. <i>Vision Research</i> , 2002, 42, 815-835.	0.7	29
38	Frequency-based heuristics for material perception. <i>Journal of Vision</i> , 2013, 13, 7-7.	0.1	29
39	Surround effects on the shape of the temporal contrast-sensitivity function. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 1997, 14, 2517.	0.8	28
40	Evolution of Neural Computations: Mantis Shrimp and Human Color Decoding. <i>I-Perception</i> , 2014, 5, 492-496.	0.8	27
41	Adaptation to textured chromatic fields. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 1998, 15, 23.	0.8	26
42	Perceived transparency of neutral density filters across dissimilar backgrounds. <i>Journal of Vision</i> , 2004, 4, 5.	0.1	26
43	Visual inferences of material changes: color as clue and distraction. <i>Wiley Interdisciplinary Reviews: Cognitive Science</i> , 2011, 2, 686-700.	1.4	25
44	Illuminant color perception of spectrally filtered spotlights. <i>Journal of Vision</i> , 2004, 4, 2.	0.1	23
45	Decorrelation of L- and M-cone signals. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 1997, 14, 3430.	0.8	22
46	Lightness identification of patterned three-dimensional, real objects. <i>Journal of Vision</i> , 2006, 6, 3.	0.1	22
47	Perceptual Assumptions and Projective Distortions in a Three-Dimensional Shape Illusion. <i>Perception</i> , 2000, 29, 171-200.	0.5	21
48	Effect of spatial configuration on motion aftereffects. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 1993, 10, 1433.	0.8	20
49	Neuronal mechanisms underlying differences in spatial resolution between darks and lights in human vision. <i>Journal of Vision</i> , 2017, 17, 5.	0.1	20
50	Steps towards neural decoding of colors. <i>Current Opinion in Behavioral Sciences</i> , 2019, 30, 169-177.	2.0	18
51	Observer strategies in perception of 3-D shape from isotropic textures: developable surfaces. <i>Vision Research</i> , 2003, 43, 2741-2758.	0.7	17
52	The role of color in recognizing material changes. <i>Ophthalmic and Physiological Optics</i> , 2010, 30, 626-631.	1.0	17
53	Time-course of S-cone system adaptation to simple and complex fields. <i>Vision Research</i> , 2003, 43, 1135-1147.	0.7	16
54	Factors governing the speed of color adaptation in foveal versus peripheral vision. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2014, 31, A220.	0.8	16

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55	Motion energy versus position tracking: spatial, temporal and chromatic parameters. <i>Vision Research</i> , 2000, 40, 3613-3635.	0.7	15
56	Erratum to "Information limitations in perception of shape from texture". <i>Vision Research</i> , 2001, 41, 2927-2942.	0.7	15
57	Three-dimensional shape perception from chromatic orientation flows. <i>Visual Neuroscience</i> , 2006, 23, 323-330.	0.5	15
58	Chromatic and Achromatic Spatial Resolution of Local Field Potentials in Awake Cortex. <i>Cerebral Cortex</i> , 2015, 25, 3877-3893.	1.6	15
59	Amblyopia Affects the ON Visual Pathway More than the OFF. <i>Journal of Neuroscience</i> , 2019, 39, 6276-6290.	1.7	15
60	Geometrical structure of perceptual color space: Mental representations and adaptation invariance. <i>Journal of Vision</i> , 2019, 19, 1.	0.1	14
61	Veridicality of three-dimensional shape perception predicted from amplitude spectra of natural textures. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2001, 18, 2430.	0.8	13
62	Eye Movements and the Neural Basis of Context Effects on Visual Sensitivity. <i>Journal of Neuroscience</i> , 2014, 34, 8119-8129.	1.7	13
63	A theory of cortical map formation in the visual brain. <i>Nature Communications</i> , 2022, 13, 2303.	5.8	13
64	Efficiency of extracting stereo-driven object motions. <i>Journal of Vision</i> , 2013, 13, 18-18.	0.1	12
65	Motion changes response balance between ON and OFF visual pathways. <i>Communications Biology</i> , 2018, 1, 60.	2.0	12
66	Fundamental Failures of Shape Constancy Resulting from Cortical Anisotropy. <i>Journal of Neuroscience</i> , 2007, 27, 12540-12545.	1.7	10
67	Picture perception reveals mental geometry of 3D scene inferences. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 7807-7812.	3.3	10
68	The utility of shape attributes in deciphering movements of non-rigid objects. <i>Journal of Vision</i> , 2010, 10, 29-29.	0.1	9
69	Effect of Age and Glaucoma on the Detection of Darks and Lights. , 2015, 56, 7000.		9
70	Neural basis of 3-D shape aftereffects. <i>Vision Research</i> , 2008, 48, 244-252.	0.7	7
71	Time course of adaptation along the RG cardinal axis. <i>Color Research and Application</i> , 2001, 26, S43-S47.	0.8	6
72	Similarities between visual processing of shear and uniform motion. <i>Vision Research</i> , 2002, 42, 3005-3017.	0.7	6

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73	Retinal Adaptation Abnormalities in Primary Open-Angle Glaucoma. <i>Investigative Ophthalmology and Visual Science</i> , 2015, 56, 1329-1334.	3.3	6
74	Troxler Fading, Eye Movements, and Retinal Ganglion Cell Properties. <i>I-Perception</i> , 2014, 5, 611-612.	0.8	5
75	Color constancy in a rough world. <i>Color Research and Application</i> , 2001, 26, S192-S200.	0.8	5
76	Release from Cross-Orientation Suppression Facilitates 3D Shape Perception. <i>PLoS ONE</i> , 2009, 4, e8333.	1.1	4
77	Visual Effects of Haptic Feedback Are Large but Local. <i>PLoS ONE</i> , 2011, 6, e19877.	1.1	4
78	Mental geometry of perceiving 3D size in pictures. <i>Journal of Vision</i> , 2020, 20, 4.	0.1	4
79	Mental geometry of three-dimensional size perception. <i>Journal of Vision</i> , 2020, 20, 14.	0.1	4
80	Generic assumptions shared by visual perception and imagery. <i>Behavioral and Brain Sciences</i> , 2002, 25, 215-216.	0.4	2
81	Adaptive orthogonalization of opponent-color signals. <i>Biological Cybernetics</i> , 1993, 69, 415-428.	0.6	1
82	Hard-Wired and Plastic Mechanisms in 3-D Shape Perception. <i>Advances in Computer Vision and Pattern Recognition</i> , 2013, , 311-338.	0.9	1
83	Perception of 3D shape from homogeneous and nonhomogeneous surface textures. , 2004, , .		0
84	Segregating animals in naturalistic surroundings: interaction of color distributions and mechanisms. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2016, 33, A273.	0.8	0
85	Spatial Induction in Color Scission. <i>I-Perception</i> , 2021, 12, 204166952110003.	0.8	0
86	Properties of lateral interaction in color and brightness induction. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2016, 33, A143.	0.8	0
87	Perceptual scale for transparency: Common fate overrides geometrical and color cues. <i>Journal of Vision</i> , 2022, 22, 6.	0.1	0