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	A theory of cortical map formation in the visual brain. Nature Communications, 2022, 13, 2303.	5.8	13
2	Perceptual scale for transparency: Common fate overrides geometrical and color cues. Journal of Vision, 2022, 22, 6.	0.1	0
3	Spatial Induction in Color Scission. I-Perception, 2021, 12, 204166952110003.	0.8	0
4	Mental geometry of perceiving 3D size in pictures. Journal of Vision, 2020, 20, 4.	0.1	4
5	Mental geometry of three-dimensional size perception. Journal of Vision, 2020, 20, 14.	0.1	4
6	Connectomic Identification and Three-Dimensional Color Tuning of S-OFF Midget Ganglion Cells in the Primate Retina. Journal of Neuroscience, 2019, 39, 7893-7909.	1.7	36
7	Geometrical structure of perceptual color space: Mental representations and adaptation invariance. Journal of Vision, 2019, 19, 1.	0.1	14
8	Amblyopia Affects the ON Visual Pathway More than the OFF. Journal of Neuroscience, 2019, 39, 6276-6290.	1.7	15
9	Steps towards neural decoding of colors. Current Opinion in Behavioral Sciences, 2019, 30, 169-177.	2.0	18
10	Cortical Balance Between ON and OFF Visual Responses Is Modulated by the Spatial Properties of the Visual Stimulus. Cerebral Cortex, 2019, 29, 336-355.	1.6	39
11	Nonselective Wiring Accounts for Red-Green Opponency in Midget Ganglion Cells of the Primate Retina. Journal of Neuroscience, 2018, 38, 1520-1540.	1.7	47
12	Motion changes response balance between ON and OFF visual pathways. Communications Biology, 2018, 1, 60.	2.0	12
13	Picture perception reveals mental geometry of 3D scene inferences. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 7807-7812.	3.3	10
14	Neuronal mechanisms underlying differences in spatial resolution between darks and lights in human vision. Journal of Vision, 2017, 17, 5.	0.1	20
15	Segregating animals in naturalistic surroundings: interaction of color distributions and mechanisms. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2016, 33, A273.	0.8	0
16	Functional implications of orientation maps in primary visual cortex. Nature Communications, 2016, 7, 13529.	5.8	35
17	Properties of lateral interaction in color and brightness induction. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2016, 33, A143.	0.8	0
18	Effect of Age and Glaucoma on the Detection of Darks and Lights. , 2015, 56, 7000.		9

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19	Salience of unique hues and implications for color theory. Journal of Vision, 2015, 15, 10-10.	0.1	46
20	Retinal Adaptation Abnormalities in Primary Open-Angle Glaucoma. Investigative Ophthalmology and Visual Science, 2015, 56, 1329-1334.	3.3	6
21	Chromatic and Achromatic Spatial Resolution of Local Field Potentials in Awake Cortex. Cerebral Cortex, 2015, 25, 3877-3893.	1.6	15
22	Evolution of Neural Computations: Mantis Shrimp and Human Color Decoding. I-Perception, 2014, 5, 492-496.	0.8	27
23	Troxler Fading, Eye Movements, and Retinal Ganglion Cell Properties. I-Perception, 2014, 5, 611-612.	0.8	5
24	Factors governing the speed of color adaptation in foveal versus peripheral vision. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2014, 31, A220.	0.8	16
25	Neuronal nonlinearity explains greater visual spatial resolution for darks than lights. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 3170-3175.	3.3	115
26	Neuronal and Perceptual Differences in the Temporal Processing of Darks and Lights. Neuron, 2014, 82, 224-234.	3.8	83
27	Eye Movements and the Neural Basis of Context Effects on Visual Sensitivity. Journal of Neuroscience, 2014, 34, 8119-8129.	1.7	13
28	Perceptual Spaces: Mathematical Structures to Neural Mechanisms. Journal of Neuroscience, 2013, 33, 17597-17602.	1.7	30
29	Frequency-based heuristics for material perception. Journal of Vision, 2013, 13, 7-7.	0.1	29
30	Efficiency of extracting stereo-driven object motions. Journal of Vision, 2013, 13, 18-18.	0.1	12
31	Hard-Wired and Plastic Mechanisms in 3-D Shape Perception. Advances in Computer Vision and Pattern Recognition, 2013, , 311-338.	0.9	1
32	Neural Locus of Color Afterimages. Current Biology, 2012, 22, 220-224.	1.8	324
33	Visual Effects of Haptic Feedback Are Large but Local. PLoS ONE, 2011, 6, e19877.	1.1	4
34	Visual inferences of material changes: color as clue and distraction. Wiley Interdisciplinary Reviews: Cognitive Science, 2011, 2, 686-700.	1.4	25
35	Darks Are Processed Faster Than Lights. Journal of Neuroscience, 2011, 31, 8654-8658.	1.7	71
36	Discerning nonrigid 3D shapes from motion cues. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 1663-1668.	3.3	38

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37	The role of color in recognizing material changes. Ophthalmic and Physiological Optics, 2010, 30, 626-631.	1.0	17
38	The utility of shape attributes in deciphering movements of non-rigid objects. Journal of Vision, 2010, 10, 29-29.	0.1	9
39	Release from Cross-Orientation Suppression Facilitates 3D Shape Perception. PLoS ONE, 2009, 4, e8333.	1.1	4
40	Neural basis of 3-D shape aftereffects. Vision Research, 2008, 48, 244-252.	0.7	7
41	Color strategies for object identification. Vision Research, 2008, 48, 2673-2681.	0.7	32
42	Fundamental Failures of Shape Constancy Resulting from Cortical Anisotropy. Journal of Neuroscience, 2007, 27, 12540-12545.	1.7	10
43	Lightness identification of patterned three-dimensional, real objects. Journal of Vision, 2006, 6, 3.	0.1	22
44	Specificity of Cone Inputs to Macaque Retinal Ganglion Cells. Journal of Neurophysiology, 2006, 95, 837-849.	0.9	109
45	Three-dimensional shape perception from chromatic orientation flows. Visual Neuroscience, 2006, 23, 323-330.	0.5	15
46	Three-dimensional shape from non-homogeneous textures: Carved and stretched surfaces. Journal of Vision, 2004, 4, 3.	0.1	33
47	Illuminant color perception of spectrally filtered spotlights. Journal of Vision, 2004, 4, 2.	0.1	23
48	Perceived transparency of neutral density filters across dissimilar backgrounds. Journal of Vision, 2004, 4, 5.	0.1	26
49	Colour constancy in context: Roles for local adaptation and levels of reference. Journal of Vision, 2004, 4, 3.	0.1	73
50	Limits of lighness identification for real objects under natural viewing conditions. Journal of Vision, 2004, 4, 9.	0.1	42
51	Perception of 3D shape from homogeneous and nonhomogeneous surface textures. , 2004, , .		0
52	Observer strategies in perception of 3-D shape from isotropic textures: developable surfaces. Vision Research, 2003, 43, 2741-2758.	0.7	17
53	Time-course of S-cone system adaptation to simple and complex fields. Vision Research, 2003, 43, 1135-1147.	0.7	16
54	Interactions between color and luminance in the perception of orientation. Journal of Vision, 2003, 3, 1.	0.1	67

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55	Limitations on shape information provided by texture cues. Vision Research, 2002, 42, 815-835.	0.7	29
56	Cues and strategies for color constancy: perceptual scission, image junctions and transformational color matching. Vision Research, 2002, 42, 211-226.	0.7	39
57	Similarities between visual processing of shear and uniform motion. Vision Research, 2002, 42, 3005-3017.	0.7	6
58	Generic assumptions shared by visual perception and imagery. Behavioral and Brain Sciences, 2002, 25, 215-216.	0.4	2
59	Sensory and physical determinants of perceived achromatic transparency. Journal of Vision, 2002, 2, 3.	0.1	38
60	Accuracy of color scission for spectral transparencies. Journal of Vision, 2002, 2, 3.	0.1	30
61	Veridicality of three-dimensional shape perception predicted from amplitude spectra of natural textures. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2001, 18, 2430.	0.8	13
62	Erratum to â€œInformation limitations in perception of shape from textureâ€• Vision Research, 2001, 41, 2927-2942.	0.7	15
63	Time course of adaptation along the RG cardinal axis. Color Research and Application, 2001, 26, S43-S47.	0.8	6
64	Color constancy in a rough world. Color Research and Application, 2001, 26, S192-S200.	0.8	29
65	Color constancy in a rough world. Color Research and Application, 2001, 26, S192-S200.	0.8	5
66	Perceptual Assumptions and Projective Distortions in a Three-Dimensional Shape Illusion. Perception, 2000, 29, 171-200.	0.5	21
67	Motion energy versus position tracking: spatial, temporal and chromatic parameters. Vision Research, 2000, 40, 3613-3635.	0.7	15
68	Perception of three-dimensional shape from texture is based on patterns of oriented energy. Vision Research, 2000, 40, 217-242.	0.7	96
69	Adaptation to textured chromatic fields. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1998, 15, 23.	0.8	26
70	Identification of illuminant and object colors: heuristic-based algorithms. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1998, 15, 1767.	0.8	51
71	Rigid Objects That Appear to Bend. Perception, 1998, 27, 799-802.	0.5	48
72	Induced Effects of Backgrounds and Foregrounds in Three-Dimensional Configurations: The Role of T-Junctions. Perception, 1997, 26, 395-408.	0.5	53

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73	Surround effects on the shape of the temporal contrast-sensitivity function. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1997, 14, 2517.	0.8	28
74	Color constancy in variegated scenes: role of low-level mechanisms in discounting illumination changes. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1997, 14, 2608.	0.8	60
75	Decorrelation of L- and M-cone signals. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1997, 14, 3430.	0.8	22
76	Brightness Induction from Uniform and Complex Surrounds: A General Model. Vision Research, 1996, 36, 1893-1906.	0.7	29
77	Visual processing of motion boundaries. Vision Research, 1995, 35, 807-826.	0.7	29
78	Chromatic properties of neurons in macaque MT. Visual Neuroscience, 1994, 11, 455-466.	0.5	155
79	Adaptive orthogonalization of opponent-color signals. Biological Cybernetics, 1993, 69, 415-428.	0.6	58
80	Effect of spatial configuration on motion aftereffects. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1993, 10, 1433.	0.8	20
81	Visual mechanisms that signal the direction of color changes. Vision Research, 1993, 33, 1037-1051.	0.7	97
82	Adaptive orthogonalization of opponent-color signals. Biological Cybernetics, 1993, 69, 415-428.	0.6	1
83	The effects of prolonged temporal modulation on the differential response of color mechanisms. Vision Research, 1992, 32, 2065-2075.	0.7	35
84	Lateral interactions within color mechanism in simultaneous induced contrast. Vision Research, 1992, 32, 1695-1707.	0.7	89
85	The effect of adaptation on the differential sensitivity of the S-cone color system. Vision Research, 1992, 32, 1297-1318.	0.7	57
86	Chromatic and luminance signals in visual memory. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1992, 9, 877.	0.8	39
87	Mechanisms of simultaneous color induction. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1986, 3, 1752.	0.8	94