Li Zhaoping

List of Publications by Year
in descending order

Version: 2024-02-01

39 papers	1,847 citations	331670 21 h-index	395702 33 g-index
40 all docs	40 docs citations	40 times ranked	1351 citing authors

#	Article	IF	Citations
1	A saliency map in primary visual cortex. Trends in Cognitive Sciences, 2002, 6, 9-16.	7.8	558
2	Border Ownership from Intracortical Interactions in Visual Area V2. Neuron, 2005, 47, 143-153.	8.1	153
3	Attention capture by eye of origin singletons even without awarenessâ€"A hallmark of a bottom-up saliency map in the primary visual cortex. Journal of Vision, 2008, 8, 1.	0.3	141
4	Theoretical understanding of the early visual processes by data compression and data selection. Network: Computation in Neural Systems, 2006, 17, 301-334.	3.6	114
5	Psychophysical Tests of the Hypothesis of a Bottom-Up Saliency Map in Primary Visual Cortex. PLoS Computational Biology, 2007, 3, e62.	3.2	92
6	V1 mechanisms and some figureâ€"ground and border effects. Journal of Physiology (Paris), 2003, 97, 503-515.	2.1	73
7	A new framework for understanding vision from the perspective of the primary visual cortex. Current Opinion in Neurobiology, 2019, 58, 1-10.	4.2	58
8	From the optic tectum to the primary visual cortex: migration through evolution of the saliency map for exogenous attentional guidance. Current Opinion in Neurobiology, 2016, 40, 94-102.	4.2	51
9	Bottom-up saliency and top-down learning in the primary visual cortex of monkeys. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 10499-10504.	7.1	51
10	Interference with Bottom-Up Feature Detection by Higher-Level Object Recognition. Current Biology, 2007, 17, 26-31.	3.9	46
11	Efficient Coding Theory Predicts a Tilt Aftereffect from Viewing Untilted Patterns. Current Biology, 2016, 26, 1571-1576.	3.9	45
12	Filling-In and Suppression of Visual Perception from Context: A Bayesian Account of Perceptual Biases by Contextual Influences. PLoS Computational Biology, 2008, 4, e14.	3.2	41
13	A theory of a saliency map in primary visual cortex (V1) tested by psychophysics of colourâ€"orientation interference in texture segmentation. Visual Cognition, 2006, 14, 911-933.	1.6	40
14	Gaze capture by eye-of-origin singletons: Interdependence with awareness. Journal of Vision, 2012, 12, 17-17.	0.3	35
15	Human Wavelength Discrimination of Monochromatic Light Explained by Optimal Wavelength Decoding of Light of Unknown Intensity. PLoS ONE, 2011, 6, e19248.	2.5	33
16	Pre-attentive visual selection. Neural Networks, 2006, 19, 1437-1439.	5.9	27
17	Modulation of Neuronal Responses by Exogenous Attention in Macaque Primary Visual Cortex. Journal of Neuroscience, 2015, 35, 13419-13429.	3.6	27
18	Feedback from higher to lower visual areas for visual recognition may be weaker in the periphery: Glimpses from the perception of brief dichoptic stimuli. Vision Research, 2017, 136, 32-49.	1.4	26

#	Article	IF	Citations
19	Preâ€“attentive segmentation and correspondence in stereo. Philosophical Transactions of the Royal Society B: Biological Sciences, 2002, 357, 1877-1883.	4.0	25
20	Properties of V1 Neurons Tuned to Conjunctions of Visual Features: Application of the V1 Saliency Hypothesis to Visual Search behavior. PLoS ONE, 2012, 7, e36223.	2.5	23
21	A clash of bottom-up and top-down processes in visual search: The reversed letter effect revisited.. Journal of Experimental Psychology: Human Perception and Performance, 2011, 37, 997-1006.	0.9	22
22	Reversed Depth in Anticorrelated Random-Dot Stereograms and the Central-Peripheral Difference in Visual Inference. Perception, 2018, 47, 531-539.	1.2	18
23	Relative contributions of 2D and 3D cues in a texture segmentation task, implications for the roles of striate and extrastriate cortex in attentional selection. Journal of Vision, 2009, 9, 20-20.	0.3	17
24	Neural circuit models for computations in early visual cortex. Current Opinion in Neurobiology, 2011, 21, 808-815.	4.2	14
25	After-search--visual search by gaze shifts after input image vanishes. Journal of Vision, 2008, 8, 26-26.	0.3	11
26	FPGA-Accelerated Pre-Attentive Segmentation in Primary Visual Cortex. , 2006, , .		6
27	The Flip Tilt Illusion: Visible in Peripheral Vision as Predicted by the Central-Peripheral Dichotomy. I-Perception, 2020, 11, 204166952093840.	1.4	6
28	Contrast-reversed binocular dot-pairs in random-dot stereograms for depth perception in central visual field: Probing the dynamics of feedforward-feedback processes in visual inference. Vision Research, 2021, 186, 124-139.	1.4	6
29	Parallel Advantage: Further Evidence for Bottom-up Saliency Computation by Human Primary Visual Cortex. Perception, 2022, 51, 60-69.	1.2	5
30	Ocularity Feature Contrast Attracts Attention Exogenously. Vision (Switzerland), 2018, 2, 12.	1.2	4
31	Artificial and Natural Intelligence: From Invention to Discovery. Neuron, 2020, 105, 413-415.	8.1	4
32	Face perception inherits low-level binocular adaptation. Journal of Vision, 2019, 19, 7.	0.3	3
33	The central-peripheral dichotomy and metacontrast masking. Perception, 2022, 51, 549-564.	1.2	3
34	Brains studying brains: look before you think in vision. Physical Biology, 2016, 13, 035002.	1.8	1
35	Measuring the saliency of an invisible visual feature and its interaction with visible features. Journal of Vision, 2021, 21, 2930.	0.3	0
36	Feedforward-Feedback-verify-reWeight (FFVW) and perceptual impact of contrast-reversed binocular dot-pairs in random dot stereograms. Journal of Vision, 2021, 21, 2785.	0.3	0

#	Article	IF	Citations
37	Efficient coding as the provenance of matched and opposite neuronal feature preferences for multisensory and multi-modal inputs. Journal of Vision, 2017, 17, 599.	0.3	0
38	Neural representation of illusory reversed depth in anti-correlated random-dot stereograms across visual cortical areas in central and peripheral visual fields: An fMRI study. Journal of Vision, 2020, 20, 1522.	0.3	0
39	Contributed Session III: Central-Peripheral Dichotomy (CPD) in feedforward and feedback processes explored by depth perception in random-dot stereograms (RDSs). Journal of Vision, 2022, 22, 28.	0.3	0