

Sidney R Lehky

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3143905/publications.pdf>

Version: 2024-02-01

35
papers

1,544
citations

430442

18
h-index

500791

28
g-index

35
all docs

35
docs citations

35
times ranked

1231
citing authors

#	ARTICLE	IF	CITATIONS
1	Network model of shape-from-shading: neural function arises from both receptive and projective fields. <i>Nature</i> , 1988, 333, 452-454.	13.7	372
2	An Astable Multivibrator Model of Binocular Rivalry. <i>Perception</i> , 1988, 17, 215-228.	0.5	241
3	Comparison of Shape Encoding in Primate Dorsal and Ventral Visual Pathways. <i>Journal of Neurophysiology</i> , 2007, 97, 307-319.	0.9	142
4	No binocular rivalry in the LGN of alert macaque monkeys. <i>Vision Research</i> , 1996, 36, 1225-1234.	0.7	97
5	Neural representation for object recognition in inferotemporal cortex. <i>Current Opinion in Neurobiology</i> , 2016, 37, 23-35.	2.0	72
6	Selectivity and sparseness in the responses of striate complex cells. <i>Vision Research</i> , 2005, 45, 57-73.	0.7	68
7	Seeing White: Qualia in the Context of Decoding Population Codes. <i>Neural Computation</i> , 1999, 11, 1261-1280.	1.3	57
8	Shape Selectivity in Primate Frontal Eye Field. <i>Journal of Neurophysiology</i> , 2008, 100, 796-814.	0.9	57
9	Population Coding of Visual Space: Comparison of Spatial Representations in Dorsal and Ventral Pathways. <i>Frontiers in Computational Neuroscience</i> , 2011, 4, 159.	1.2	50
10	Towards building a more complex view of the lateral geniculate nucleus: Recent advances in understanding its role. <i>Progress in Neurobiology</i> , 2017, 156, 214-255.	2.8	50
11	Fine Discrimination of Faces can be Performed Rapidly. <i>Journal of Cognitive Neuroscience</i> , 2000, 12, 848-855.	1.1	36
12	Statistics of visual responses in primate inferotemporal cortex to object stimuli. <i>Journal of Neurophysiology</i> , 2011, 106, 1097-1117.	0.9	36
13	Dimensionality of Object Representations in Monkey Inferotemporal Cortex. <i>Neural Computation</i> , 2014, 26, 2135-2162.	1.3	36
14	Organization of Binocular Pathways: Modeling and Data Related to Rivalry. <i>Neural Computation</i> , 1991, 3, 44-53.	1.3	33
15	Enhancement of Object Representations in Primate Perirhinal Cortex During a Visual Working-Memory Task. <i>Journal of Neurophysiology</i> , 2007, 97, 1298-1310.	0.9	28
16	Spatial Modulation of Primate Inferotemporal Responses by Eye Position. <i>PLoS ONE</i> , 2008, 3, e3492.	1.1	27
17	Population Coding of Visual Space: Modeling. <i>Frontiers in Computational Neuroscience</i> , 2011, 4, 155.	1.2	24
18	Population Coding and the Labeling Problem: Extrinsic Versus Intrinsic Representations. <i>Neural Computation</i> , 2013, 25, 2235-2264.	1.3	19

#	ARTICLE	IF	CITATIONS
19	Recovering stimulus locations using populations of eye-position modulated neurons in dorsal and ventral visual streams of non-human primates. <i>Frontiers in Integrative Neuroscience</i> , 2014, 8, 28.	1.0	19
20	A model of binocular brightness and binaural loudness perception in humans with general applications to nonlinear summation of sensory inputs. <i>Biological Cybernetics</i> , 1983, 49, 89-97.	0.6	17
21	Decoding Poisson Spike Trains by Gaussian Filtering. <i>Neural Computation</i> , 2010, 22, 1245-1271.	1.3	11
22	Characteristics of Eye-Position Gain Field Populations Determine Geometry of Visual Space. <i>Frontiers in Integrative Neuroscience</i> , 2015, 9, 72.	1.0	11
23	Deficits in Visual Feature Binding Under Isoluminant Conditions. <i>Journal of Cognitive Neuroscience</i> , 2000, 12, 383-392.	1.1	9
24	Unmixing Binocular Signals. <i>Frontiers in Human Neuroscience</i> , 2011, 5, 78.	1.0	9
25	Bayesian Estimation of Stimulus Responses in Poisson Spike Trains. <i>Neural Computation</i> , 2004, 16, 1325-1343.	1.3	7
26	Representation of shape, space, and attention in monkey cortex. <i>Cortex</i> , 2020, 122, 40-60.	1.1	7
27	Attention Effects on Neural Population Representations for Shape and Location Are Stronger in the Ventral than Dorsal Stream. <i>ENeuro</i> , 2018, 5, ENEURO.0371-17.2018.	0.9	6
28	Face Representations via Tensorfaces of Various Complexities. <i>Neural Computation</i> , 2020, 32, 281-329.	1.3	1
29	Pseudosparseness in the visual system of primates. <i>Communications Biology</i> , 2021, 4, 50.	2.0	1
30	Extrinsic and intrinsic representations. <i>Behavioral and Brain Sciences</i> , 2019, 42, e235.	0.4	1
31	not all categories work the same way. <i>Behavioral and Brain Sciences</i> , 2005, 28, 503-503.	0.4	0
32	Monkeys in space: Primate neural data suggest volumetric representations. <i>Behavioral and Brain Sciences</i> , 2013, 36, 555-556.	0.4	0
33	Characteristics of eye-position gain field populations in AIT and LIP determined through genetic algorithm modeling of monkey data. <i>Journal of Vision</i> , 2016, 16, 103.	0.1	0
34	Coding of faces by tensor components. <i>Journal of Vision</i> , 2017, 17, 243.	0.1	0
35	Attention to shape enhances shape discrimination in AIT neural population coding but attention to space does not modulate location discrimination in LIP of macaque monkeys. <i>Journal of Vision</i> , 2017, 17, 389.	0.1	0