Sidney R Lehky

List of Publications by Year
in descending order

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	Pseudosparse neural coding in the visual system of primates. Communications Biology, 2021, 4, 50.	2.0	1
2	Representation of shape, space, and attention in monkey cortex. Cortex, 2020, 122, 40-60.	1.1	7
3	Face Representations via Tensorfaces of Various Complexities. Neural Computation, 2020, 32, 281-329.	1.3	1
4	Extrinsic and intrinsic representations. Behavioral and Brain Sciences, 2019, 42, e235.	0.4	1
5	Attention Effects on Neural Population Representations for Shape and Location Are Stronger in the Ventral than Dorsal Stream. ENeuro, 2018, 5, ENEURO.0371-17.2018.	0.9	6
6	Towards building a more complex view of the lateral geniculate nucleus: Recent advances in understanding its role. Progress in Neurobiology, 2017, 156, 214-255.	2.8	50
7	Coding of faces by tensor components. Journal of Vision, 2017, 17, 243.	0.1	0
8	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.. Journal of Vision, 2017, 17, 389.	0.1	0
9	Neural representation for object recognition in inferotemporal cortex. Current Opinion in Neurobiology, 2016, 37, 23-35.	2.0	72
10	Characteristics of eye-position gain field populations in AIT and LIP determined through genetic algorithm modeling of monkey data. Journal of Vision, 2016, 16, 103.	0.1	0
11	Characteristics of Eye-Position Gain Field Populations Determine Geometry of Visual Space. Frontiers in Integrative Neuroscience, 2015, 9, 72.	1.0	11
12	Recovering stimulus locations using populations of eye-position modulated neurons in dorsal and ventral visual streams of non-human primates. Frontiers in Integrative Neuroscience, 2014, 8, 28.	1.0	19
13	Dimensionality of Object Representations in Monkey Inferotemporal Cortex. Neural Computation, 2014, 26, 2135-2162.	1.3	36
14	Population Coding and the Labeling Problem: Extrinsic Versus Intrinsic Representations. Neural Computation, 2013, 25, 2235-2264.	1.3	19
15	Monkeys in space: Primate neural data suggest volumetric representations. Behavioral and Brain Sciences, 2013, 36, 555-556.	0.4	0
16	Statistics of visual responses in primate inferotemporal cortex to object stimuli. Journal of Neurophysiology, 2011, 106, 1097-1117.	0.9	36
17	Population Coding of Visual Space: Modeling. Frontiers in Computational Neuroscience, 2011, 4, 155.	1.2	24
18	Population Coding of Visual Space: Comparison of Spatial Representations in Dorsal and Ventral Pathways. Frontiers in Computational Neuroscience, 2011, 4, 159.	1.2	50

#	Article	IF	Citations
19	Unmixing Binocular Signals. Frontiers in Human Neuroscience, 2011, 5, 78.	1.0	9
20	Decoding Poisson Spike Trains by Gaussian Filtering. Neural Computation, 2010, 22, 1245-1271.	1.3	11
21	Spatial Modulation of Primate Inferotemporal Responses by Eye Position. PLoS ONE, 2008, 3, e3492.	1.1	27
22	Shape Selectivity in Primate Frontal Eye Field. Journal of Neurophysiology, 2008, 100, 796-814.	0.9	57
23	Comparison of Shape Encoding in Primate Dorsal and Ventral Visual Pathways. Journal of Neurophysiology, 2007, 97, 307-319.	0.9	142
24	Enhancement of Object Representations in Primate Perirhinal Cortex During a Visual Working-Memory Task. Journal of Neurophysiology, 2007, 97, 1298-1310.	0.9	28
25	not all categories work the same way. Behavioral and Brain Sciences, 2005, 28, 503-503.	0.4	0
26	Selectivity and sparseness in the responses of striate complex cells. Vision Research, 2005, 45, 57-73.	0.7	68
27	Bayesian Estimation of Stimulus Responses in Poisson Spike Trains. Neural Computation, 2004, 16, 1325-1343.	1.3	7
28	Deficits in Visual Feature Binding Under Isoluminant Conditions. Journal of Cognitive Neuroscience, 2000, 12, 383-392.	1.1	9
29	Fine Discrimination of Faces can be Performed Rapidly. Journal of Cognitive Neuroscience, 2000, 12, 848-855.	1.1	36
30	Seeing White: Qualia in the Context of Decoding Population Codes. Neural Computation, 1999, 11, 1261-1280.	1.3	57
31	No binocular rivalry in the LGN of alert macaque monkeys. Vision Research, 1996, 36, 1225-1234.	0.7	97
32	Organization of Binocular Pathways: Modeling and Data Related to Rivalry. Neural Computation, 1991, 3, 44-53.	1.3	33
33	Network model of shape-from-shading: neural function arises from both receptive and projective fields. Nature, 1988, 333, 452-454.	13.7	372
34	An Astable Multivibrator Model of Binocular Rivalry. Perception, 1988, 17, 215-228.	0.5	241
35	A model of binocular brightness and binaural loudness perception in humans with general applications to nonlinear summation of sensory inputs. Biological Cybernetics, 1983, 49, 89-97.	0.6	17