Jonathan D Victor

List of Publications by Year
in descending order

228 papers	12,082 citations	26610 56 h-index	32815 100 g-index
247 all docs	247 docs citations	247 times ranked	7344 citing authors

#	Article	IF	Citations
1	Behavioural improvements with thalamic stimulation after severe traumatic brain injury. Nature, 2007, 448, 600-603.	13.7	905
2	Nature and precision of temporal coding in visual cortex: a metric-space analysis. Journal of Neurophysiology, 1996, 76, 1310-1326.	0.9	526
3	The effect of contrast on the transfer properties of cat retinal ganglion cells.. Journal of Physiology, 1978, 285, 275-298.	1.3	478
4	Metric-space analysis of spike trains: theory, algorithms and application. Network: Computation in Neural Systems, 1997, 8, 127-164.	2.2	290
5	Sparse coding and high-order correlations in fine-scale cortical networks. Nature, 2010, 466, 617-621.	13.7	284
6	A new statistic for steady-state evoked potentials. Electroencephalography and Clinical Neurophysiology, 1991, 78, 378-388.	0.3	273
7	Independent and Redundant Information in Nearby Cortical Neurons. Science, 2001, 294, 2566-2568.	6.0	245
8	Visual discrimination of textures with identical third-order statistics. Biological Cybernetics, 1978, 31, 137-140.	0.6	214
9	An Integrated Functional Magnetic Resonance Imaging Procedure for Preoperative Mapping of Cortical Areas Associated with Tactile, Motor, Language, and Visual Functions. Neurosurgery, 2000, 47, 711-722.	0.6	214
10	The dynamics of the cat retinal X cell centre.. Journal of Physiology, 1987, 386, 219-246.	1.3	213
11	The use of m-sequences in the analysis of visual neurons: Linear receptive field properties. Visual Neuroscience, 1997, 14, 1015-1027.	0.5	208
12	Determination of awareness in patients with severe brain injury using EEG power spectral analysis. Clinical Neurophysiology, 2011, 122, 2157-2168.	0.7	204
13	Illusory contours activate specific regions in human visual cortex: evidence from functional magnetic resonance imaging.. Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 6469-6473.	3.3	202
14	Temporal Coding of Contrast in Primary Visual Cortex: When, What, and Why. Journal of Neurophysiology, 2001, 85, 1039-1050.	0.9	183
15	Response Variability and Timing Precision of Neuronal Spike Trains In Vivo. Journal of Neurophysiology, 1997, 77, 2836-2841.	0.9	179
16	Temporal Encoding of Spatial Information during Active Visual Fixation. Current Biology, 2012, 22, 510-514.	1.8	179
17	Binless strategies for estimation of information from neural data. Physical Review E, 2002, 66, 051903.	0.8	168
18	The unsteady eye: an information-processing stage, not a bug. Trends in Neurosciences, 2015, 38, 195-206.	4.2	165

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19	Spike train metrics. Current Opinion in Neurobiology, 2005, 15, 585-592.	2.0	164
20	Metric-space analysis of spike trains: theory, algorithms and application. Network: Computation in Neural Systems, 1997, 8, 127-164.	2.2	163
21	The nonlinear pathway of Y ganglion cells in the cat retina.. Journal of General Physiology, 1979, 74, 671-689.	0.9	154
22	Interspike Intervals, Receptive Fields, and Information Encoding in Primary Visual Cortex. Journal of Neuroscience, 2000, 20, 1964-1974.	1.7	144
23	Local structure theory for cellular automata. Physica D: Nonlinear Phenomena, 1987, 28, 18-48.	1.3	141
24	Taste Response Variability and Temporal Coding in the Nucleus of the Solitary Tract of the Rat. Journal of Neurophysiology, 2003, 90, 1418-1431.	0.9	135
25	Preservation of electroencephalographic organization in patients with impaired consciousness and imagingâ€based evidence of commandâ€following. Annals of Neurology, 2014, 76, 869-879.	2.8	129
26	A method of nonlinear analysis in the frequency domain. Biophysical Journal, 1980, 29, 459-483.	0.2	120
27	Nonlinear spatial summation and the contrast gain control of cat retinal ganglion cells.. Journal of Physiology, 1979, 290, 141-161.	1.3	117
28	Large-scale brain dynamics in disorders of consciousness. Current Opinion in Neurobiology, 2014, 25, 7-14.	2.0	115
29	The contrast gain control of the cat retina. Vision Research, 1979, 19, 431-434.	0.7	107
30	Nonlinear analysis with an arbitrary stimulus ensemble. Quarterly of Applied Mathematics, 1979, 37, 113-136.	0.5	104
31	Elementary sensory-motor transformations underlying olfactory navigation in walking fruit-flies. ELife, 2018, 7, .	2.8	103
32	Visual evoked potentials in dyslexics and normals: Failure to find a difference in transient or steady-state responses. Visual Neuroscience, 1993, 10, 939-946.	0.5	102
33	Approaches to Information-Theoretic Analysis of Neural Activity. Biological Theory, 2006, 1, 302-316.	0.8	101
34	Common resting brain dynamics indicate a possible mechanism underlying zolpidem response in severe brain injury. ELife, 2013, 2, e01157.	2.8	101
35	Concordance between Functional Magnetic Resonance Imaging and Intraoperative Language Mapping. Stereotactic and Functional Neurosurgery, 1999, 72, 95-102.	0.8	99
36	Information theory in neuroscience. Journal of Computational Neuroscience, 2011, 30, 1-5.	0.6	95

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37	Receptive field mechanisms of cat X and Y retinal ganglion cells.. Journal of General Physiology, 1979, 74, 275-298.	0.9	90
38	Robust Temporal Coding of Contrast by V1 Neurons for Transient But Not for Steady-State Stimuli. Journal of Neuroscience, 1998, 18, 6583-6598.	1.7	87
39	Reanalysis of â€œBedside detection of awareness in the vegetative state: a cohort studyâ€. Lancet, The, 2013, 381, 289-291.	6.3	84
40	The Power Ratio and the Interval Map: Spiking Models and Extracellular Recordings. Journal of Neuroscience, 1998, 18, 10090-10104.	1.7	83
41	Hyperacuity in cat retinal ganglion cells. Science, 1986, 231, 999-1002.	6.0	81
42	Nonlinear analysis of cat retinal ganglion cells in the frequency domain.. Proceedings of the National Academy of Sciences of the United States of America, 1977, 74, 3068-3072.	3.3	79
43	Fluctuations of steady-state VEPs: interaction of driven evoked potentials and the EEG. Electroencephalography and Clinical Neurophysiology, 1991, 78, 389-401.	0.3	78
44	Spatial organization of nonlinear interactions in form perception. Vision Research, 1991, 31, 1457-1488.	0.7	78
45	Neural Coding of Spatial Phase in V1 of the Macaque Monkey. Journal of Neurophysiology, 2003, 89, 3304-3327.	0.9	78
46	A Population Study of Integrate-and-Fire-or-Burst Neurons. Neural Computation, 2002, 14, 957-986.	1.3	77
47	Broadband temporal stimuli decrease the integration time of neurons in cat striate cortex. Visual Neuroscience, 1992, 9, 39-45.	0.5	76
48	Two-frequency analysis of interactions elicited by Vernier stimuli. Visual Neuroscience, 2000, 17, 959-973.	0.5	76
49	Local statistics in natural scenes predict the saliency of synthetic textures. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 18149-18154.	3.3	75
50	A two-dimensional computer-controlled visual stimulator. Behavior Research Methods, 1980, 12, 283-292.	2.3	71
51	The dynamics of the cat retinal Y cell subunit.. Journal of Physiology, 1988, 405, 289-320.	1.3	64
52	How the brain uses time to represent and process visual information11Published on the World Wide Web on 16 August 2000.. Brain Research, 2000, 886, 33-46.	1.1	62
53	Quality Time: Representation of a Multidimensional Sensory Domain through Temporal Coding. Journal of Neuroscience, 2009, 29, 9227-9238.	1.7	62
54	Symmetry Breakdown in the ON and OFF Pathways of the Retina at Night: Functional Implications. Journal of Neuroscience, 2010, 30, 10006-10014.	1.7	62

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55	Striate cortex extracts higher-order spatial correlations from visual textures.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 8482-8486.	3.3	61
56	Nonlinear Preprocessing in Short-range Motion. Vision Research, 1997, 37, 1459-1477.	0.7	60
57	Variance predicts salience in central sensory processing. ELife, 2014, 3, .	2.8	60
58	Analyzing receptive fields, classification images and functional images: challenges with opportunities for synergy. Nature Neuroscience, 2005, 8, 1651-1656.	7.1	58
59	Recognizing Taste: Coding Patterns Along the Neural Axis in Mammals. Chemical Senses, 2019, 44, 237-247.	1.1	58
60	Power spectra and coherence in the EEG of a vegetative patient with severe asymmetric brain damage. Clinical Neurophysiology, 2000, 111, 1949-1954.	0.7	57
61	Taste Coding in the Nucleus of the Solitary Tract of the Awake, Freely Licking Rat. Journal of Neuroscience, 2012, 32, 10494-10506.	1.7	56
62	Consequences of the Oculomotor Cycle for the Dynamics of Perception. Current Biology, 2017, 27, 1268-1277.	1.8	56
63	Reading a population code: a multi-scale neural model for representing binocular disparity. Vision Research, 2003, 43, 445-466.	0.7	55
64	Variability in Responses and Temporal Coding of Tastants of Similar Quality in the Nucleus of the Solitary Tract of the Rat. Journal of Neurophysiology, 2008, 99, 644-655.	0.9	55
65	Visual Function and Brain Organization in Non-decussating Retinal-Fugal Fibre Syndrome. Cerebral Cortex, 2000, 10, 2-22.	1.6	51
66	Cortical interactions in texture processing: Scale and dynamics. Visual Neuroscience, 1989, 2, 297-313.	0.5	48
67	Detection and Discrimination of Relative Spatial Phase by V1 Neurons. Journal of Neuroscience, 2002, 22, 6129-6157.	1.7	48
68	Long-Term Stability of Visual Pattern Selective Responses of Monkey Temporal Lobe Neurons. PLoS ONE, 2009, 4, e8222.	1.1	48
69	The Visual Input to the Retina during Natural Head-Free Fixation. Journal of Neuroscience, 2014, 34, 12701-12715.	1.7	47
70	Spike Train Analysis Toolkit: Enabling Wider Application of Information-Theoretic Techniques to Neurophysiology. Neuroinformatics, 2009, 7, 165-178.	1.5	46
71	Local image statistics: maximum-entropy constructions and perceptual salience. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2012, 29, 1313.	0.8	46
72	A Bayesian statistical analysis of behavioral facilitation associated with deep brain stimulation. Journal of Neuroscience Methods, 2009, 183, 267-276.	1.3	44

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73	Odor-Taste Convergence in the Nucleus of the Solitary Tract of the Awake Freely Licking Rat. Journal of Neuroscience, 2015, 35, 6284-6297.	1.7	44
74	The effect of contrast on the non-linear response of the Y cell.. Journal of Physiology, 1980, 302, 535-547.	1.3	43
75	Information-theoretic analysis of realistic odor plumes: What cues are useful for determining location?. PLoS Computational Biology, 2018, 14, e1006275.	1.5	43
76	Mean-field modeling of thalamocortical dynamics and a model-driven approach to EEG analysis. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 15631-15638.	3.3	42
77	The human visual evoked potential: Analysis of components due to elementary and complex aspects of form. Vision Research, 1985, 25, 1829-1842.	0.7	41
78	Predictive Value of Facial Nerve Electrophysiologic Stimulation Thresholds in Cerebellopontine-Angle Surgery. Laryngoscope, 1996, 106, 633-638.	1.1	41
79	Visual processing of informative multipoint correlations arises primarily in V2. ELife, 2015, 4, e06604.	2.8	41
80	Spatial Phase and the Temporal Structure of the Response to Gratings in V1. Journal of Neurophysiology, 1998, 80, 554-571.	0.9	40
81	Three-dimensional localization of neurons in cortical tetrode recordings. Journal of Neurophysiology, 2011, 106, 828-848.	0.9	40
82	Nonlinear systems analysis: comparison of white noise and sum of sinusoids in a biological system.. Proceedings of the National Academy of Sciences of the United States of America, 1979, 76, 996-998.	3.3	39
83	Images, statistics, and textures: implications of triple correlation uniqueness for texture statistics and the Julesz conjecture: comment. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1994, 11, 1680.	0.8	39
84	Temporal aspects of neural coding in the retina and lateral geniculate. Network: Computation in Neural Systems, 1999, 10, R1-R66.	2.2	39
85	Responses of V1 Neurons to Two-Dimensional Hermite Functions. Journal of Neurophysiology, 2006, 95, 379-400.	0.9	39
86	Asymptotic Bias in Information Estimates and the Exponential (Bell) Polynomials. Neural Computation, 2000, 12, 2797-2804.	1.3	38
87	Non-Euclidean properties of spike train metric spaces. Physical Review E, 2004, 69, 061905.	0.8	38
88	Motion mechanisms have only limited access to form information. Vision Research, 1990, 30, 289-301.	0.7	37
89	Textures as Probes of Visual Processing. Annual Review of Vision Science, 2017, 3, 275-296.	2.3	37
90	Intra-arterial Cisplatin–Associated Optic and Otic Toxicity. Archives of Neurology, 1992, 49, 83-86.	4.9	36

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91	The role of high-order phase correlations in texture processing. Vision Research, 1996, 36, 1615-1631.	0.7	36
92	Formal and Attribute-Specific Information in Primary Visual Cortex. Journal of Neurophysiology, 2001, 85, 305-318.	0.9	34
93	Relationship of Petrous Temporal Bone Pneumatization to the Eustachian Tube Lumen. Laryngoscope, 2004, 114, 656-660.	1.1	34
94	Interaction of luminance and higher-order statistics in texture discrimination. Vision Research, 2005, 45, 311-328.	0.7	34
95	A set of high-order spatiotemporal stimuli that elicit motion and reverse-phi percepts. Journal of Vision, 2010, 10, 9.	0.1	34
96	Information-geometric measure of 3-neuron firing patterns characterizes scale-dependence in cortical networks. Journal of Computational Neuroscience, 2011, 30, 125-141.	0.6	32
97	Temporal coding of taste in the parabrachial nucleus of the pons of the rat. Journal of Neurophysiology, 2011, 105, 1889-1896.	0.9	32
98	Analyzing the activity of large populations of neurons: how tractable is the problem?. Current Opinion in Neurobiology, 2007, 17, 397-400.	2.0	31
99	Interacting Linear and Nonlinear Characteristics Produce Population Coding Asymmetries between ON and OFF Cells in the Retina. Journal of Neuroscience, 2013, 33, 14958-14973.	1.7	31
100	Spatiotemporal Content of Saccade Transients. Current Biology, 2020, 30, 3999-4008.e2.	1.8	31
101	Complex visual textures as a tool for studying the VEP. Vision Research, 1985, 25, 1811-1827.	0.7	30
102	Common dynamics in temporal lobe seizures and absence seizures. Neuroscience, 1999, 91, 417-428.	1.1	30
103	Dynamics of coupled thalamocortical modules. Journal of Computational Neuroscience, 2010, 28, 605-616.	0.6	30
104	Perceptual Spaces: Mathematical Structures to Neural Mechanisms. Journal of Neuroscience, 2013, 33, 17597-17602.	1.7	30
105	A novel antineuronal antibody in stiffâ€man syndrome. Neurology, 1993, 43, 114-114.	1.5	30
106	The intrinsic dynamics of retinal bipolar cells isolated from tiger salamander. Visual Neuroscience, 1998, 15, 425-38.	0.5	29
107	VEPs elicited by local correlations and global symmetry: Characteristics and interactions. Vision Research, 2007, 47, 2212-2222.	0.7	28
108	Temporal Coding of Intensity of NaCl and HCl in the Nucleus of the Solitary Tract of the Rat. Journal of Neurophysiology, 2011, 105, 697-711.	0.9	26

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109	Taste coding in the parabrachial nucleus of the pons in awake, freely licking rats and comparison with the nucleus of the solitary tract. Journal of Neurophysiology, 2014, 111, 1655-1670.	0.9	26
110	Possible functions of contextual modulations and receptive field nonlinearities: Pop-out and texture segmentation. Vision Research, 2014, 104, 57-67.	0.7	26
111	Coherence and transparency of moving plaids composed of Fourier and non-Fourier gratings. Perception & Psychophysics, 1992, 52, 403-414.	2.3	25
112	General Strategy for Hierarchical Decomposition of Multivariate Time Series: Implications for Temporal Lobe Seizures. Annals of Biomedical Engineering, 2001, 29, 1135-1149.	1.3	24
113	Visual working memory for image statistics. Vision Research, 2004, 44, 541-556.	0.7	24
114	Temporal aspects of neural coding in the retina and lateral geniculate. Network: Computation in Neural Systems, 1999, 10, R1-66.	2.2	24
115	Role of Hyperpolarization-Activated Currents for the Intrinsic Dynamics of Isolated Retinal Neurons. Biophysical Journal, 2003, 84, 2756-2767.	0.2	23
116	Responses to Orientation Discontinuities in V1 and V2: Physiological Dissociations and Functional Implications. Journal of Neuroscience, 2014, 34, 3559-3578.	1.7	23
117	A perceptual space of local image statistics. Vision Research, 2015, 117, 117-135.	0.7	23
118	Sensory Coding in Cortical Neurons.. Annals of the New York Academy of Sciences, 1997, 835, 330-352.	1.8	22
119	Response variability of marmoset parvocellular neurons. Journal of Physiology, 2007, 579, 29-51.	1.3	22
120	Local structure theory: Calculation on hexagonal arrays, and interaction of rule and lattice. Journal of Statistical Physics, 1989, 54, 495-514.	0.5	21
121	Temporal impulse responses from flicker sensitivities: causality, linearity, and amplitude data do not determine phase. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1989, 6, 1302.	0.8	21
122	Characteristic nonlinearities of the 3/s ictal electroencephalogram identified by nonlinear autoregressive analysis. Biological Cybernetics, 1995, 72, 519-526.	0.6	21
123	Neural Coding Mechanisms for Flow Rate in Taste-Responsive Cells in the Nucleus of the Solitary Tract of the Rat. Journal of Neurophysiology, 2007, 97, 1857-1861.	0.9	21
124	Heterogeneous Response Dynamics in Retinal Ganglion Cells: The Interplay of Predictive Coding and Adaptation. Journal of Neurophysiology, 2010, 103, 3184-3194.	0.9	21
125	Perception of second- and third-order orientation signals and their interactions. Journal of Vision, 2013, 13, 21-21.	0.1	21
126	Dynamic shifts of the contrast-response function. Visual Neuroscience, 1997, 14, 577-587.	0.5	20

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127	Computational modeling of non-Fourier motion: further evidence for a single luminance-based mechanism. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2001, 18, 2204.	0.8	20
128	A novel mechanism for switching a neural system from one state to another. Frontiers in Computational Neuroscience, 2010, 4, 2.	1.2	20
129	Prefrontal feature representations drive memory recall. Nature, 2022, 608, 153-160.	13.7	20
130	Taste coding of complex naturalistic taste stimuli and traditional taste stimuli in the parabrachial pons of the awake, freely licking rat. Journal of Neurophysiology, 2016, 116, 171-182.	0.9	19
131	Olfactory Navigation and the Receptor Nonlinearity. Journal of Neuroscience, 2019, 39, 3713-3727.	1.7	19
132	Temporal aspects of neural coding in the retina and lateral geniculate. , 0, .		19
133	Discriminable textures with identical buffon needle statistics. Biological Cybernetics, 1978, 31, 231-234.	0.6	18
134	Dynamic programming algorithms for comparing multineuronal spike trains via cost-based metrics and alignments. Journal of Neuroscience Methods, 2007, 161, 351-360.	1.3	18
135	Assessment of Variation Throughout the Year in the Incidence of Idiopathic Sudden Sensorineural Hearing Loss. Otology and Neurotology, 2010, 31, 53-57.	0.7	18
136	Efficient coding of natural scene statistics predicts discrimination thresholds for grayscale textures. ELife, 2020, 9, .	2.8	18
137	Evoked potential and psychophysical analysis of Fourier and non-Fourier motion mechanisms. Visual Neuroscience, 1992, 9, 105-123.	0.5	17
138	Temporal phase discrimination depends critically on separation. Vision Research, 2002, 42, 2063-2071.	0.7	17
139	Subpopulations of neurons in visual area V2 perform differentiation and integration operations in space and time. Frontiers in Systems Neuroscience, 2009, 3, 15.	1.2	16
140	Information Processing in the Parabrachial Nucleus of the Pons. Annals of the New York Academy of Sciences, 2009, 1170, 365-371.	1.8	16
141	Active sensing in a dynamic olfactory world. Journal of Computational Neuroscience, 2022, 50, 1-6.	0.6	15
142	Prolonged Unconsciousness is Common in COVIDâ€19 and Associated with Hypoxemia. Annals of Neurology, 2022, 91, 740-755.	2.8	15
143	Isolation of components due to intracortical processing in the visual evoked potential.. Proceedings of the National Academy of Sciences of the United States of America, 1986, 83, 7984-7988.	3.3	14
144	Heterogeneity of neuronal responses in the nucleus of the solitary tract suggests sensorimotor integration in the neural code for taste. Journal of Neurophysiology, 2019, 121, 634-645.	0.9	14

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145	Electrophysiological correlates of thalamocortical function in acute severe traumatic brain injury. Cortex, 2022, 152, 136-152.	1.1	14
146	Scaling effects in the perception of higher-order spatial correlations. Vision Research, 1997, 37, 3097-3107.	0.7	13
147	Neither occlusion constraint nor binocular disparity accounts for the perceived depth in the â€˜sieve effectâ€™. Vision Research, 2000, 40, 2265-2276.	0.7	13
148	Contextual modulation of V1 receptive fields depends on their spatial symmetry. Journal of Computational Neuroscience, 2009, 26, 203-218.	0.6	13
149	Attentional modulation of adaptation in V4. European Journal of Neuroscience, 2009, 30, 151-171.	1.2	13
150	Two representations of a high-dimensional perceptual space. Vision Research, 2017, 137, 1-23.	0.7	13
151	An Extension of the M-Sequence Technique for the Analysis of Multi-Input Nonlinear Systems. , 1994, , 87-110.		13
152	Contrast sensitivity reveals an oculomotor strategy for temporally encoding space. ELife, 2019, 8, .	2.8	13
153	Models for preattentive texture discrimination: Fourier analysis and local feature processing in a unified framework. Spatial Vision, 1988, 3, 263-280.	1.4	12
154	Investigation of a patient with severely impaired direction discrimination: Evidence against the intersection-of-constraints model. Vision Research, 1994, 34, 267-277.	0.7	12
155	Illusory contour strength does not depend on the dynamics or relative phase of the inducers. Vision Research, 2000, 40, 3475-3483.	0.7	12
156	Multilevel isotrigon textures. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2007, 24, 278.	0.8	12
157	Maximum-entropy approximations of stochastic nonlinear transductions: An extension of the wiener theory. Biological Cybernetics, 1986, 54, 289-300.	0.6	11
158	The fractal dimension of a test signal: Implications for system identification procedures. Biological Cybernetics, 1987, 57, 421-426.	0.6	11
159	Asymptotic approach of generalized orthogonal functional expansions to Wiener kernels. Annals of Biomedical Engineering, 1991, 19, 383-399.	1.3	11
160	Relation between potassium-channel kinetics and the intrinsic dynamics in isolated retinal bipolar cells. Journal of Computational Neuroscience, 2002, 12, 147-163.	0.6	11
161	Cannabinoid Neuromodulation in the Adult Early Visual Cortex. PLoS ONE, 2014, 9, e87362.	1.1	11
162	Source geometry and dynamics of the visual evoked potential. Electroencephalography and Clinical Neurophysiology, 1986, 64, 308-327.	0.3	10

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163	A relation between the Akaike criterion and reliability of parameter estimates, with application to nonlinear autoregressive modelling of ictal EEG. Annals of Biomedical Engineering, 1992, 20, 167-180.	1.3	10
164	Gating of Local Network Signals Appears as Stimulus-Dependent Activity Envelopes in Striate Cortex. Journal of Neurophysiology, 1999, 82, 2182-2196.	0.9	10
165	Manipulating the structure of natural scenes using wavelets to study the functional architecture of perceptual hierarchies in the brain. NeuroImage, 2020, 221, 117173.	2.1	10
166	Laminar and Orientation-Dependent Characteristics of Spatial Nonlinearities: Implications for the Computational Architecture of Visual Cortex. Journal of Neurophysiology, 2009, 102, 3414-3432.	0.9	9
167	Detecting symmetry and faces: Separating the tasks and identifying their interactions. Attention, Perception, and Psychophysics, 2012, 74, 988-1000.	0.7	9
168	Nonlinear autoregressive analysis of the 3/s ictal electroencephalogram: implications for underlying dynamics. Biological Cybernetics, 1995, 72, 527-532.	0.6	8
169	Chromatic and luminance interactions in spatial contrast signals. Visual Neuroscience, 1998, 15, 607-624.	0.5	8
170	Comparison of thresholds for high-speed drifting vernier and a matched temporal phase-discrimination task. Vision Research, 2000, 40, 1839-1855.	0.7	8
171	Local processes and spatial pooling in texture and symmetry detection. Vision Research, 2005, 45, 1063-1073.	0.7	8
172	Spike Metrics. , 2010, , 129-156.		8
173	Spontaneous Changes in Taste Sensitivity of Single Units Recorded over Consecutive Days in the Brainstem of the Awake Rat. PLoS ONE, 2016, 11, e0160143.	1.1	8
174	Robust power spectral estimation for EEG data. Journal of Neuroscience Methods, 2016, 268, 14-22.	1.3	8
175	Perspective: Can eye movements contribute to emmetropization?. Journal of Vision, 2018, 18, 10.	0.1	8
176	Simultaneously Band and Space Limited Functions in Two Dimensions, and Receptive Fields of Visual Neurons. , 2003, , 375-419.		8
177	Indices for Testing Neural Codes. Neural Computation, 2008, 20, 2895-2936.	1.3	7
178	Binocular depth perception from unpaired image points need not depend on scene organization. Vision Research, 2005, 45, 527-532.	0.7	6
179	Recurrent Network Dynamics; a Link between Form and Motion. Frontiers in Systems Neuroscience, 2017, 11, 12.	1.2	6
180	The Dynamics of Bilateral Olfactory Search and Navigation. SIAM Review, 2021, 63, 100-120.	4.2	6

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181	Predictive Value of Postoperative Electrophysiologic Testing of the Facial Nerve After Cerebellopontine Angle Surgery. Skull Base, 1998, 8, 141-148.	0.4	5
182	Short-range vernier acuity: interactions of temporal frequency, temporal phase, and stimulus polarity. Vision Research, 1999, 39, 3351-3371.	0.7	5
183	Speed Dependence of Tuning to One-Dimensional Features in V1. Journal of Neurophysiology, 2007, 97, 2423-2438.	0.9	5
184	VEP indices of cortical lateral interactions in epilepsy treatment. Vision Research, 2009, 49, 898-906.	0.7	5
185	Understanding the statistics of the natural environment and their implications for vision. Vision Research, 2016, 120, 1-4.	0.7	5
186	Meeting rigorous statistical standards in case reports. Annals of Neurology, 2008, 64, 592-592.	2.8	4
187	Schiff et al. reply. Nature, 2008, 452, E1-E2.	13.7	4
188	Perceptual interaction of local motion signals. Journal of Vision, 2016, 16, 22.	0.1	4
189	Estimation of information in neuronal responses. Trends in Neurosciences, 1999, 22, 543.	4.2	3
190	Two-Dimensional Hermite Filters Simplify the Description of High-Order Statistics of Natural Images. Symmetry, 2016, 8, 98.	1.1	3
191	Enhancing GABAergic Tone in the Rostral Nucleus of the Solitary Tract Reconfigures Sensorimotor Neural Activity. Journal of Neuroscience, 2021, 41, 489-501.	1.7	3
192	Information and Statistical Structure in Spike Trains. Network: Computation in Neural Systems, 2003, 14, 1-4.	2.2	3
193	Encoding and stability of image statistics in working memory. Vision Research, 2006, 46, 4152-4162.	0.7	2
194	Systematic Differences Between Perceptually Relevant Image Statistics of Brain MRI and Natural Images. Frontiers in Neuroinformatics, 2019, 13, 46.	1.3	2
195	Image segmentation driven by elements of form. Vision Research, 2019, 159, 21-34.	0.7	2
196	Visual Search for Circumscribed Interests in Autism Is Similar to That of Neurotypical Individuals. Frontiers in Psychology, 2020, 11, 582074.	1.1	2
197	Cognitive influences on fixational eye movements during visual discrimination. Journal of Vision, 2021, 21, 1894.	0.1	2
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