Jonathan D Victor

List of Publications by Year in Descending Order

216 papers	10,013 citations	54 h-index	93 g-index
247 ext. papers	11,408 ext. citations	4.9 avg, IF	6.26 L-index

#	Paper	IF	Citations
216	Electrophysiological correlates of thalamocortical function in acute severe traumatic brain injury.. *Cortex*, **2022**, 152, 136-152	3.8	2
215	Spike Train Distance **2022**, 3232-3245		
214	Enhancing GABAergic Tone in the Rostral Nucleus of the Solitary Tract Reconfigures Sensorimotor Neural Activity. *Journal of Neuroscience*, **2021**, 41, 489-501	6.6	1
213	The Dynamics of Bilateral Olfactory Search and Navigation. *SIAM Review*, **2021**, 63, 100-120	7.4	2
212	Luminance modulations from eye movements predict visual sensitivity. *Journal of Vision*, **2021**, 21, 2204	0.4	
211	Mapping perceptual spaces of objects and low-level features. *Journal of Vision*, **2021**, 21, 1941	0.4	0
210	Consequences of Eye Optics and Geometry for Retinal Image Motion. *Journal of Vision*, **2021**, 21, 2046	0.4	
209	Fine spatial judgements driven by extra-retinal knowledge of fixational eye drifts. *Journal of Vision*, **2021**, 21, 2223	0.4	
208	The orientation-difference cue in figure-ground separation: border ownership and timing. *Journal of Vision*, **2021**, 21, 1895	0.4	
207	Cognitive influences on fixational eye movements during visual discrimination. *Journal of Vision*, **2021**, 21, 1894	0.4	0
206	Active task-dependent control of ocular drift during natural fixation. *Journal of Vision*, **2020**, 20, 1335	0.4	
205	A distinctive role for orientation in figure-ground separation. *Journal of Vision*, **2020**, 20, 112	0.4	1
204	Efficient coding of natural scene statistics predicts discrimination thresholds for grayscale textures. *ELife*, **2020**, 9,	8.9	5
203	Spatiotemporal Content of Saccade Transients. *Current Biology*, **2020**, 30, 3999-4008.e2	6.3	8
202	Manipulating the structure of natural scenes using wavelets to study the functional architecture of perceptual hierarchies in the brain. *NeuroImage*, **2020**, 221, 117173	7.9	2
201	Visual Search for Circumscribed Interests in Autism Is Similar to That of Neurotypical Individuals. *Frontiers in Psychology*, **2020**, 11, 582074	3.4	1
200	Olfactory Navigation and the Receptor Nonlinearity. *Journal of Neuroscience*, **2019**, 39, 3713-3727	6.6	7

199	The features that control discrimination of an isodipole texture pair. *Vision Research*, **2019**, 158, 208-220	2.1	1
198	Image segmentation driven by elements of form. *Vision Research*, **2019**, 159, 21-34	2.1	2
197	Recognizing Taste: Coding Patterns Along the Neural Axis in Mammals. *Chemical Senses*, **2019**, 44, 237-247	4.8	40
196	Systematic Differences Between Perceptually Relevant Image Statistics of Brain MRI and Natural Images. *Frontiers in Neuroinformatics*, **2019**, 13, 46	3.9	2
195	Contrast sensitivity reveals an oculomotor strategy for temporally encoding space. *ELife*, **2019**, 8,	8.9	8
194	Consideration of eye movements reconciles behavioral and neuronal measures of contrast sensitivity. *Journal of Vision*, **2019**, 19, 253b	0.4	
193	The role of local image statistics in separating figure from ground. *Journal of Vision*, **2019**, 19, 124a	0.4	
192	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	3.2	6
191	Perspective: Can eye movements contribute to emmetropization?. *Journal of Vision*, **2018**, 18, 10	0.4	7
190	Information-theoretic analysis of realistic odor plumes: What cues are useful for determining location?. *PLoS Computational Biology*, **2018**, 14, e1006275	5	20
189	Elementary sensory-motor transformations underlying olfactory navigation in walking fruit-flies. *ELife*, **2018**, 7,	8.9	55
188	Modeling visual sensitivity to spatial correlations in gray-level textures. *Journal of Vision*, **2018**, 18, 625	0.4	
187	Frequency Content of Saccade Transients. *Journal of Vision*, **2018**, 18, 1010	0.4	
186	The impact of retinal image motion on extrafoveal sensitivity. *Journal of Vision*, **2018**, 18, 372	0.4	
185	Temporal Cues to Defocus in Emmetropia and Myopia. *Journal of Vision*, **2018**, 18, 628	0.4	
184	Consequences of the Oculomotor Cycle for the Dynamics of Perception. *Current Biology*, **2017**, 27, 1268-1277	6.7	34
183	Textures as Probes of Visual Processing. *Annual Review of Vision Science*, **2017**, 3, 275-296	8.2	19
182	Two representations of a high-dimensional perceptual space. *Vision Research*, **2017**, 137, 1-23	2.1	7

181	Recurrent Network Dynamics; a Link between Form and Motion. *Frontiers in Systems Neuroscience*, **2017**, 11, 12	3.5	5
180	Towards a model for sensitivity to local image statistics. *Journal of Vision*, **2017**, 17, 1087	0.4	
179	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, 171-82	3.2	13
178	Perceptual interaction of local motion signals. *Journal of Vision*, **2016**, 16, 22	0.4	4
177	Two-Dimensional Hermite Filters Simplify the Description of High-Order Statistics of Natural Images. *Symmetry*, **2016**, 8,	2.7	3
176	Spontaneous Changes in Taste Sensitivity of Single Units Recorded over Consecutive Days in the Brainstem of the Awake Rat. *PLoS ONE*, **2016**, 11, e0160143	3.7	6
175	Robust power spectral estimation for EEG data. *Journal of Neuroscience Methods*, **2016**, 268, 14-22	3	4
174	A perceptual space of local image statistics. *Vision Research*, **2015**, 117, 117-35	2.1	14
173	Odor-taste convergence in the nucleus of the solitary tract of the awake freely licking rat. *Journal of Neuroscience*, **2015**, 35, 6284-97	6.6	26
172	Developing and validating an isotrigon texture discrimination task using Amazon Mechanical Turk. *BMC Neuroscience*, **2015**, 16,	3.2	78
171	The unsteady eye: an information-processing stage, not a bug. *Trends in Neurosciences*, **2015**, 38, 195-206	13.3	105
170	Visual processing of informative multipoint correlations arises primarily in V2. *ELife*, **2015**, 4, e06604	8.9	29
169	Large-scale brain dynamics in disorders of consciousness. *Current Opinion in Neurobiology*, **2014**, 25, 7-14	7.6	76
168	Possible functions of contextual modulations and receptive field nonlinearities: pop-out and texture segmentation. *Vision Research*, **2014**, 104, 57-67	2.1	17
167	The visual input to the retina during natural head-free fixation. *Journal of Neuroscience*, **2014**, 34, 12701-15	6.5	34
166	Cannabinoid neuromodulation in the adult early visual cortex. *PLoS ONE*, **2014**, 9, e87362	3.7	10
165	Preservation of electroencephalographic organization in patients with impaired consciousness and imaging-based evidence of command-following. *Annals of Neurology*, **2014**, 76, 869-79	9.4	96
164	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, 1655-70	3.2	22

163	Responses to orientation discontinuities in V1 and V2: physiological dissociations and functional implications. *Journal of Neuroscience*, **2014**, 34, 3559-78	6.6	18
162	Variance predicts salience in central sensory processing. *ELife*, **2014**, 3,	8.9	36
161	Natural scene statistics relate to perceptual salience of second-, third-, and fourth-order spatial correlations. *BMC Neuroscience*, **2013**, 14,	3.2	78
160	Perceptual spaces: mathematical structures to neural mechanisms. *Journal of Neuroscience*, **2013**, 33, 17597-602	6.6	17
159	Reanalysis of "Bedside detection of awareness in the vegetative state: a cohort study". *Lancet, The*, **2013**, 381, 289-91	40	71
158	Interacting linear and nonlinear characteristics produce population coding asymmetries between ON and OFF cells in the retina. *Journal of Neuroscience*, **2013**, 33, 14958-73	6.6	22
157	Perception of second- and third-order orientation signals and their interactions. *Journal of Vision*, **2013**, 13, 21	0.4	17
156	Common resting brain dynamics indicate a possible mechanism underlying zolpidem response in severe brain injury. *ELife*, **2013**, 2, e01157	8.9	66
155	Spike Trains as Event Sequences. *Frontiers in Neuroscience*, **2013**, 3-34		2
154	Temporal encoding of spatial information during active visual fixation. *Current Biology*, **2012**, 22, 510-4	6.3	125
153	Detecting symmetry and faces: separating the tasks and identifying their interactions. *Attention, Perception, and Psychophysics*, **2012**, 74, 988-1000	2	9
152	Taste coding in the nucleus of the solitary tract of the awake, freely licking rat. *Journal of Neuroscience*, **2012**, 32, 10494-506	6.6	35
151	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, 1313-45	1.8	32
150	Determination of awareness in patients with severe brain injury using EEG power spectral analysis. *Clinical Neurophysiology*, **2011**, 122, 2157-68	4.3	159
149	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	3.2	23
148	Three-dimensional localization of neurons in cortical tetrode recordings. *Journal of Neurophysiology* , **2011**, 106, 828-48	3.2	31
147	Information-geometric measure of 3-neuron firing patterns characterizes scale-dependence in cortical networks. *Journal of Computational Neuroscience*, **2011**, 30, 125-41	1.4	25
146	Towards massively-parallel analytic capabilities for multielectrode recordings. *BMC Neuroscience*, **2011**, 12,	3.2	78

145	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 Suppl 3, 15631-8	11.5	32
144	Temporal coding of taste in the parabrachial nucleus of the pons of the rat. *Journal of Neurophysiology*, **2011**, 105, 1889-96	3.2	25
143	Sparse coding and high-order correlations in fine-scale cortical networks. *Nature*, **2010**, 466, 617-21	50.4	220
142	A novel mechanism for switching a neural system from one state to another. *Frontiers in Computational Neuroscience*, **2010**, 4, 2	3.5	19
141	A set of high-order spatiotemporal stimuli that elicit motion and reverse-phi percepts. *Journal of Vision*, **2010**, 10, 9.1-16	0.4	26
140	Heterogeneous response dynamics in retinal ganglion cells: the interplay of predictive coding and adaptation. *Journal of Neurophysiology*, **2010**, 103, 3184-94	3.2	15
139	Symmetry breakdown in the ON and OFF pathways of the retina at night: functional implications. *Journal of Neuroscience*, **2010**, 30, 10006-14	6.6	51
138	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, 18149-54	11.5	58
137	Spike Metrics **2010**, 129-156		6
136	Assessment of variation throughout the year in the incidence of idiopathic sudden sensorineural hearing loss. *Otology and Neurotology*, **2010**, 31, 53-7	2.6	10
135	Dynamics of coupled thalamocortical modules. *Journal of Computational Neuroscience*, **2010**, 28, 605-16	1.4	25
134	Laminar and orientation-dependent characteristics of spatial nonlinearities: implications for the computational architecture of visual cortex. *Journal of Neurophysiology*, **2009**, 102, 3414-32	3.2	8
133	Long-term stability of visual pattern selective responses of monkey temporal lobe neurons. *PLoS ONE*, **2009**, 4, e8222	3.7	39
132	Subpopulations of neurons in visual area v2 perform differentiation and integration operations in space and time. *Frontiers in Systems Neuroscience*, **2009**, 3, 15	3.5	15
131	Quality time: representation of a multidimensional sensory domain through temporal coding. *Journal of Neuroscience*, **2009**, 29, 9227-38	6.6	57
130	VEP indices of cortical lateral interactions in epilepsy treatment. *Vision Research*, **2009**, 49, 898-906	2.1	5
129	Contextual modulation of V1 receptive fields depends on their spatial symmetry. *Journal of Computational Neuroscience*, **2009**, 26, 203-18	1.4	10
128	Spike train analysis toolkit: enabling wider application of information-theoretic techniques to neurophysiology. *Neuroinformatics*, **2009**, 7, 165-78	3.2	38

127	Attentional modulation of adaptation in V4. *European Journal of Neuroscience*, **2009**, 30, 151-71	3.5	12
126	Information processing in the parabrachial nucleus of the pons. *Annals of the New York Academy of Sciences*, **2009**, 1170, 365-71	6.5	12
125	A Bayesian statistical analysis of behavioral facilitation associated with deep brain stimulation. *Journal of Neuroscience Methods*, **2009**, 183, 267-76	3	38
124	Schiff et al. reply. *Nature*, **2008**, 452, E1-E2	50.4	3
123	Indices for testing neural codes. *Neural Computation*, **2008**, 20, 2895-936	2.9	7
122	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, 644-55	3.2	53
121	Meeting rigorous statistical standards in case reports. *Annals of Neurology*, **2008**, 64, 592	9.4	
120	Speed dependence of tuning to one-dimensional features in V1. *Journal of Neurophysiology*, **2007**, 97, 2423-38	3.2	5
119	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, 1857-61	3.2	21
118	Dynamic programming algorithms for comparing multineuronal spike trains via cost-based metrics and alignments. *Journal of Neuroscience Methods*, **2007**, 161, 351-60	3	14
117	Response variability of marmoset parvocellular neurons. *Journal of Physiology*, **2007**, 579, 29-51	3.9	18
116	Behavioural improvements with thalamic stimulation after severe traumatic brain injury. *Nature*, **2007**, 448, 600-3	50.4	691
115	Analyzing the activity of large populations of neurons: how tractable is the problem?. *Current Opinion in Neurobiology*, **2007**, 17, 397-400	7.6	29
114	VEPs elicited by local correlations and global symmetry: characteristics and interactions. *Vision Research*, **2007**, 47, 2212-22	2.1	24
113	Multilevel isotrigon textures. *Journal of the Optical Society of America A: Optics and Image Science, and Vision*, **2007**, 24, 278-93	1.8	10
112	Encoding and stability of image statistics in working memory. *Vision Research*, **2006**, 46, 4152-62	2.1	2
111	Approaches to Information-Theoretic Analysis of Neural Activity. *Biological Theory*, **2006**, 1, 302-316	1.7	69
110	Responses of V1 neurons to two-dimensional hermite functions. *Journal of Neurophysiology*, **2006**, 95, 379-400	3.2	34

109	Interaction of luminance and higher-order statistics in texture discrimination. *Vision Research*, **2005**, 45, 311-28	2.1	30
108	Binocular depth perception from unpaired image points need not depend on scene organization. *Vision Research*, **2005**, 45, 527-32	2.1	6
107	Local processes and spatial pooling in texture and symmetry detection. *Vision Research*, **2005**, 45, 1063-73	2.1	8
106	Analyzing receptive fields, classification images and functional images: challenges with opportunities for synergy. *Nature Neuroscience*, **2005**, 8, 1651-6	25.5	53
105	Spike train metrics. *Current Opinion in Neurobiology*, **2005**, 15, 585-92	7.6	133
104	Non-Euclidean properties of spike train metric spaces. *Physical Review E*, **2004**, 69, 061905	2.4	28
103	Relationship of petrous temporal bone pneumatization to the eustachian tube lumen. *Laryngoscope*, **2004**, 114, 656-60	3.6	32
102	Visual working memory for image statistics. *Vision Research*, **2004**, 44, 541-56	2.1	23
101	Taste response variability and temporal coding in the nucleus of the solitary tract of the rat. *Journal of Neurophysiology*, **2003**, 90, 1418-31	3.2	121
100	Neural coding of spatial phase in V1 of the macaque monkey. *Journal of Neurophysiology*, **2003**, 89, 3304-27	3.2	62
99	Reading a population code: a multi-scale neural model for representing binocular disparity. *Vision Research*, **2003**, 43, 445-66	2.1	48
98	Role of hyperpolarization-activated currents for the intrinsic dynamics of isolated retinal neurons. *Biophysical Journal*, **2003**, 84, 2756-67	2.9	16
97	Information and Statistical Structure in Spike Trains. *Network: Computation in Neural Systems*, **2003**, 14, 1-4	0.7	2
96	Simultaneously Band and Space Limited Functions in Two Dimensions, and Receptive Fields of Visual Neurons **2003**, 375-419		7
95	Binless strategies for estimation of information from neural data. *Physical Review E*, **2002**, 66, 051903	2.4	139
94	Relation between potassium-channel kinetics and the intrinsic dynamics in isolated retinal bipolar cells. *Journal of Computational Neuroscience*, **2002**, 12, 147-63	1.4	9
93	A population study of integrate-and-fire-or-burst neurons. *Neural Computation*, **2002**, 14, 957-86	2.9	65
92	Temporal phase discrimination depends critically on separation. *Vision Research*, **2002**, 42, 2063-71	2.1	17

91	Detection and discrimination of relative spatial phase by V1 neurons. *Journal of Neuroscience*, **2002**, 22, 6129-57	6.6	46
90	General strategy for hierarchical decomposition of multivariate time series: implications for temporal lobe seizures. *Annals of Biomedical Engineering*, **2001**, 29, 1135-49	4.7	21
89	Independent and redundant information in nearby cortical neurons. *Science*, **2001**, 294, 2566-8	33.3	218
88	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, 2204-8	1.8	13
87	Formal and attribute-specific information in primary visual cortex. *Journal of Neurophysiology*, **2001** , 85, 305-18	3.2	32
86	Temporal coding of contrast in primary visual cortex: when, what, and why. *Journal of Neurophysiology*, **2001**, 85, 1039-50	3.2	170
85	An integrated functional magnetic resonance imaging procedure for preoperative mapping of cortical areas associated with tactile, motor, language, and visual functions. *Neurosurgery*, **2000**, 47, 711-21; discussion 721-2	3.2	187
84	Two-frequency analysis of interactions elicited by Vernier stimuli. *Visual Neuroscience*, **2000**, 17, 959-73	1.7	72
83	How the brain uses time to represent and process visual information(1). *Brain Research*, **2000**, 886, 33-46	3.7	49
82	Interspike intervals, receptive fields, and information encoding in primary visual cortex. *Journal of Neuroscience*, **2000**, 20, 1964-74	6.6	118
81	Asymptotic bias in information estimates and the exponential (Bell) polynomials. *Neural Computation*, **2000**, 12, 2797-804	2.9	34
80	Visual function and brain organization in non-decussating retinal-fugal fibre syndrome. *Cerebral Cortex*, **2000**, 10, 2-22	5.1	47
79	Comparison of thresholds for high-speed drifting vernier and a matched temporal phase-discrimination task. *Vision Research*, **2000**, 40, 1839-55	2.1	7
78	Neither occlusion constraint nor binocular disparity accounts for the perceived depth in the 'sieve effect'. *Vision Research*, **2000**, 40, 2265-76	2.1	12
77	Illusory contour strength does not depend on the dynamics or relative phase of the inducers. *Vision Research*, **2000**, 40, 3475-83	2.1	11
76	Power spectra and coherence in the EEG of a vegetative patient with severe asymmetric brain damage. *Clinical Neurophysiology*, **2000**, 111, 1949-54	4.3	48
75	Gating of local network signals appears as stimulus-dependent activity envelopes in striate cortex. *Journal of Neurophysiology*, **1999**, 82, 2182-96	3.2	9
74	Concordance between functional magnetic resonance imaging and intraoperative language mapping. *Stereotactic and Functional Neurosurgery*, **1999**, 72, 95-102	1.6	86

73	Common dynamics in temporal lobe seizures and absence seizures. *Neuroscience*, **1999**, 91, 417-28	3.9	23
72	Estimation of information in neuronal responses. *Trends in Neurosciences*, **1999**, 22, 543	13.3	3
71	Short-range vernier acuity: interactions of temporal frequency, temporal phase, and stimulus polarity. *Vision Research*, **1999**, 39, 3351-71	2.1	5
70	Temporal aspects of neural coding in the retina and lateral geniculate. *Network: Computation in Neural Systems*, **1999**, 10, R1-R66	0.7	25
69	Temporal aspects of neural coding in the retina and lateral geniculate. *Network: Computation in Neural Systems*, **1999**, 10, R1-66	0.7	24
68	Predictive value of postoperative electrophysiologic testing of the facial nerve after cerebellopontine angle surgery. *Skull Base*, **1998**, 8, 141-8		3
67	The intrinsic dynamics of retinal bipolar cells isolated from tiger salamander. *Visual Neuroscience*, **1998**, 15, 425-38	1.7	25
66	Chromatic and luminance interactions in spatial contrast signals. *Visual Neuroscience*, **1998**, 15, 607-24	1.7	8
65	The power ratio and the interval map: spiking models and extracellular recordings. *Journal of Neuroscience*, **1998**, 18, 10090-104	6.6	76
64	Spatial phase and the temporal structure of the response to gratings in V1. *Journal of Neurophysiology*, **1998**, 80, 554-71	3.2	40
63	Robust temporal coding of contrast by V1 neurons for transient but not for steady-state stimuli. *Journal of Neuroscience*, **1998**, 18, 6583-98	6.6	83
62	The use of m-sequences in the analysis of visual neurons: linear receptive field properties. *Visual Neuroscience*, **1997**, 14, 1015-27	1.7	189
61	Dynamic shifts of the contrast-response function. *Visual Neuroscience*, **1997**, 14, 577-87	1.7	18
60	Metric-space analysis of spike trains: theory, algorithms and application. *Network: Computation in Neural Systems*, **1997**, 8, 127-164	0.7	221
59	Nonlinear preprocessing in short-range motion. *Vision Research*, **1997**, 37, 1459-77	2.1	51
58	Scaling effects in the perception of higher-order spatial correlations. *Vision Research*, **1997**, 37, 3097-107	2.1	11
57	Response variability and timing precision of neuronal spike trains in vivo. *Journal of Neurophysiology*, **1997**, 77, 2836-41	3.2	164
56	Sensory coding in cortical neurons. Recent results and speculations. *Annals of the New York Academy of Sciences*, **1997**, 835, 330-52	6.5	20

55	Predictive value of facial nerve electrophysiologic stimulation thresholds in cerebellopontine-angle surgery. *Laryngoscope*, **1996**, 106, 633-8	3.6	40
54	The role of high-order phase correlations in texture processing. *Vision Research*, **1996**, 36, 1615-31	2.1	33
53	Nature and precision of temporal coding in visual cortex: a metric-space analysis. *Journal of Neurophysiology*, **1996**, 76, 1310-26	3.2	445
52	Characteristic nonlinearities of the 3/s ictal electroencephalogram identified by nonlinear autoregressive analysis. *Biological Cybernetics*, **1995**, 72, 519-26	2.8	15
51	Nonlinear autoregressive analysis of the 3/s ictal electroencephalogram: implications for underlying dynamics. *Biological Cybernetics*, **1995**, 72, 527-32	2.8	3
50	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, 6469-73	11.5	176
49	A continuum of non-Gaussian self-similar image ensembles with white power spectra. *Spatial Vision*, **1994**, 8, 503-13		
48	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	1.8	25
47	Investigation of a patient with severely impaired direction discrimination: evidence against the intersection-of-constraints model. *Vision Research*, **1994**, 34, 267-77	2.1	10
46	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, 8482-6	11.5	49
45	An Extension of the M-Sequence Technique for the Analysis of Multi-Input Nonlinear Systems **1994**, 87-110		8
44	Visual evoked potentials in dyslexics and normals: failure to find a difference in transient or steady-state responses. *Visual Neuroscience*, **1993**, 10, 939-46	1.7	95
43	A novel antineuronal antibody in stiff-man syndrome. *Neurology*, **1993**, 43, 114-20	6.5	24
42	Evoked potential and psychophysical analysis of Fourier and non-Fourier motion mechanisms. *Visual Neuroscience*, **1992**, 9, 105-23	1.7	17
41	Intra-arterial cisplatin--associated optic and otic toxicity. *Archives of Neurology*, **1992**, 49, 83-6		24
40	Broadband temporal stimuli decrease the integration time of neurons in cat striate cortex. *Visual Neuroscience*, **1992**, 9, 39-45	1.7	73
39	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, 167-80	4.7	8
38	Coherence and transparency of moving plaids composed of Fourier and non-Fourier gratings. *Perception & Psychophysics*, **1992**, 52, 403-14		24

37	Asymptotic approach of generalized orthogonal functional expansions to Wiener kernels. *Annals of Biomedical Engineering*, **1991**, 19, 383-99	4.7	10
36	A new statistic for steady-state evoked potentials. *Electroencephalography and Clinical Neurophysiology*, **1991**, 78, 378-88		224
35	Fluctuations of steady-state VEPs: interaction of driven evoked potentials and the EEG. *Electroencephalography and Clinical Neurophysiology*, **1991**, 78, 389-401		59
34	Spatial organization of nonlinear interactions in form perception. *Vision Research*, **1991**, 31, 1457-88	2.1	68
33	What can automaton theory tell us about the brain?. *Physica D: Nonlinear Phenomena*, **1990**, 45, 205-207	3.3	
32	Motion mechanisms have only limited access to form information. *Vision Research*, **1990**, 30, 289-301	2.1	33
31	Cortical interactions in texture processing: scale and dynamics. *Visual Neuroscience*, **1989**, 2, 297-313	1.7	44
30	Local structure theory: Calculation on hexagonal arrays, and interaction of rule and lattice. *Journal of Statistical Physics*, **1989**, 54, 495-514	1.5	18
29	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, 1302-3	1.8	19
28	The Geometry of System Identification: Fractal Dimension and Integration Formulae **1989**, 147-164		0
27	Models for preattentive texture discrimination: Fourier analysis and local feature processing in a unified framework. *Spatial Vision*, **1988**, 3, 263-80		11
26	The dynamics of the cat retinal Y cell subunit. *Journal of Physiology*, **1988**, 405, 289-320	3.9	50
25	The dynamics of the cat retinal X cell centre. *Journal of Physiology*, **1987**, 386, 219-46	3.9	180
24	The fractal dimension of a test signal: implications for system identification procedures. *Biological Cybernetics*, **1987**, 57, 421-6	2.8	10
23	Local structure theory for cellular automata. *Physica D: Nonlinear Phenomena*, **1987**, 28, 18-48	3.3	118
22	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, 7984-8	11.5	13
21	Maximum-entropy approximations of stochastic nonlinear transductions: an extension of the Wiener theory. *Biological Cybernetics*, **1986**, 54, 289-300	2.8	8
20	Hyperacuity in cat retinal ganglion cells. *Science*, **1986**, 231, 999-1002	33.3	73

19	Source geometry and dynamics of the visual evoked potential. *Electroencephalography and Clinical Neurophysiology*, **1986**, 64, 308-27		9
18	Complex visual textures as a tool for studying the VEP. *Vision Research*, **1985**, 25, 1811-27	2.1	26
17	The human visual evoked potential: analysis of components due to elementary and complex aspects of form. *Vision Research*, **1985**, 25, 1829-42	2.1	32
16	The effect of contrast on the non-linear response of the Y cell. *Journal of Physiology*, **1980**, 302, 535-47	3.9	42
15	A two-dimensional computer-controlled visual stimulator. *Behavior Research Methods*, **1980**, 12, 283-292	6.1	64
14	A method of nonlinear analysis in the frequency domain. *Biophysical Journal*, **1980**, 29, 459-83	2.9	105
13	The contrast gain control of the cat retina. *Vision Research*, **1979**, 19, 431-4	2.1	98
12	Nonlinear analysis with an arbitrary stimulus ensemble. *Quarterly of Applied Mathematics*, **1979**, 37, 113-136		96
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