

# Wolf Singer

## List of Publications by Year in descending order

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254  
papers

49,099  
citations

2098

100  
h-index

1713

213  
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296  
all docs

296  
docs citations

296  
times ranked

24118  
citing authors

#	ARTICLE	IF	CITATIONS
1	Evidence From Imaging Resilience Genetics for a Protective Mechanism Against Schizophrenia in the Ventral Visual Pathway. <i>Schizophrenia Bulletin</i> , 2022, 48, 551-562.	2.3	4
2	Predictive coding of natural images by V1 firing rates and rhythmic synchronization. <i>Neuron</i> , 2022, 110, 1240-1257.e8.	3.8	28
3	Recurrent dynamics in the cerebral cortex: Integration of sensory evidence with stored knowledge. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	44
4	Differences Between Natural and Artificial Cognitive Systems. , 2021, , 17-27.		5
5	Perceptual Gains and Losses in Synesthesia and Schizophrenia. <i>Schizophrenia Bulletin</i> , 2021, 47, 722-730.	2.3	6
6	A Distinct Class of Bursting Neurons with Strong Gamma Synchronization and Stimulus Selectivity in Monkey V1. <i>Neuron</i> , 2020, 105, 180-197.e5.	3.8	45
7	A MEG Study of Visual Repetition Priming in Schizophrenia: Evidence for Impaired High-Frequency Oscillations and Event-Related Fields in Thalamo-Occipital Cortices. <i>Frontiers in Psychiatry</i> , 2020, 11, 561973.	1.3	5
8	High-density electrophysiological recordings in macaque using a chronically implanted 128-channel passive silicon probe. <i>Journal of Neural Engineering</i> , 2020, 17, 026036.	1.8	8
9	Reward-Related Suppression of Neural Activity in Macaque Visual Area V4. <i>Cerebral Cortex</i> , 2020, 30, 4871-4881.	1.6	4
10	Hold Your Methods! How Multineuronal Firing Ensembles Can Be Studied Using Classical Spike-Train Analysis Techniques. <i>Frontiers in Systems Neuroscience</i> , 2019, 13, 21.	1.2	5
11	A Naturalistic Approach to the Hard Problem of Consciousness. <i>Frontiers in Systems Neuroscience</i> , 2019, 13, 58.	1.2	52
12	Stimulus complexity shapes response correlations in primary visual cortex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 2723-2732.	3.3	60
13	Relation between gamma oscillations and neuronal plasticity in the visual cortex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 23317-23325.	3.3	58
14	Surface color and predictability determine contextual modulation of V1 firing and gamma oscillations. <i>ELife</i> , 2019, 8, .	2.8	70
15	Endogenously generated gamma-band oscillations in early visual cortex: A neurofeedback study. <i>Human Brain Mapping</i> , 2018, 39, 3487-3502.	1.9	5
16	Neuronal oscillations: unavoidable and useful?. <i>European Journal of Neuroscience</i> , 2018, 48, 2389-2398.	1.2	98
17	Acute ketamine dysregulates task-related gamma-band oscillations in thalamo-cortical circuits in schizophrenia. <i>Brain</i> , 2018, 141, 2511-2526.	3.7	51
18	Resting-state gamma-band power alterations in schizophrenia reveal E/I-balance abnormalities across illness-stages. <i>ELife</i> , 2018, 7, .	2.8	92

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19	Conscious Processing: Unity in Time Rather Than in Space. Exploring Complexity, 2018, , 113-132.	0.1	0
20	Impairment in predictive processes during auditory mismatch negativity in ScZ: Evidence from event-related fields. Human Brain Mapping, 2017, 38, 5082-5093.	1.9	21
21	Synchronous Oscillations and Memory Formation $\hat{t}$ . , 2017, , 591-597.		3
22	Whole-Brain Source-Reconstructed MEG-Data Reveal Reduced Long-Range Synchronization in Chronic Schizophrenia. ENeuro, 2017, 4, ENEURO.0338-17.2017.	0.9	32
23	Does the Cerebral Cortex Exploit High-Dimensional, Non-linear Dynamics for Information Processing?. Frontiers in Computational Neuroscience, 2016, 10, 99.	1.2	31
24	Abnormal Connectional Fingerprint in Schizophrenia: A Novel Network Analysis of Diffusion Tensor Imaging Data. Frontiers in Psychiatry, 2016, 7, 114.	1.3	5
25	Early effects of previous experience on conscious perception. Neuroscience of Consciousness, 2016, 2016, niw004.	1.4	33
26	V1 surface size predicts GABA concentration in medial occipital cortex. Neurolmage, 2016, 124, 654-662.	2.1	8
27	MEG-measured visually induced gamma-band oscillations in chronic schizophrenia: Evidence for impaired generation of rhythmic activity in ventral stream regions. Schizophrenia Research, 2016, 176, 177-185.	1.1	42
28	Functional Connectivity Patterns of Visual Cortex Reflect its Anatomical Organization. Cerebral Cortex, 2016, 26, 3719-3731.	1.6	29
29	Smaller Primary Visual Cortex Is Associated with Stronger, but Less Precise Mental Imagery. Cerebral Cortex, 2016, 26, 3838-3850.	1.6	96
30	Expecting to See a Letter: Alpha Oscillations as Carriers of Top-Down Sensory Predictions. Cerebral Cortex, 2016, 26, 3146-3160.	1.6	88
31	The Merit of Synesthesia for Consciousness Research. Frontiers in Psychology, 2015, 6, 1850.	1.1	17
32	The When and Where of Working Memory Dysfunction in Early-Onset Schizophrenia—A Functional Magnetic Resonance Imaging Study. Cerebral Cortex, 2015, 25, 2494-2506.	1.6	50
33	Surface Area of Early Visual Cortex Predicts Individual Speed of Traveling Waves During Binocular Rivalry. Cerebral Cortex, 2015, 25, 1499-1508.	1.6	31
34	Abnormal interhemispheric motor interactions in patients with callosal agenesis. Behavioural Brain Research, 2015, 293, 1-9.	1.2	31
35	Ketamine Dysregulates the Amplitude and Connectivity of High-Frequency Oscillations in Cortical—Subcortical Networks in Humans: Evidence From Resting-State Magnetoencephalography-Recordings. Schizophrenia Bulletin, 2015, 41, 1105-1114.	2.3	126
36	Grounding language processing on basic neurophysiological principles. Trends in Cognitive Sciences, 2015, 19, 329-338.	4.0	110

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37	Oscillations and Neuronal Dynamics in Schizophrenia: The Search for Basic Symptoms and Translational Opportunities. <i>Biological Psychiatry</i> , 2015, 77, 1001-1009.	0.7	198
38	Untangling cross-frequency coupling in neuroscience. <i>Current Opinion in Neurobiology</i> , 2015, 31, 51-61.	2.0	455
39	Adolescent Brain Maturation and Cortical Folding: Evidence for Reductions in Gyrication. <i>PLoS ONE</i> , 2014, 9, e84914.	1.1	97
40	Source-Reconstruction of Event-Related Fields Reveals Hyperfunction and Hypofunction of Cortical Circuits in Antipsychotic-Naive, First-Episode Schizophrenia Patients during Mooney Face Processing. <i>Journal of Neuroscience</i> , 2014, 34, 5909-5917.	1.7	58
41	Gamma or no gamma, that is the question. <i>Trends in Cognitive Sciences</i> , 2014, 18, 507-509.	4.0	55
42	Cortical dynamics revisited. <i>Trends in Cognitive Sciences</i> , 2013, 17, 616-626.	4.0	186
43	Scaling Brain Size, Keeping Timing: Evolutionary Preservation of Brain Rhythms. <i>Neuron</i> , 2013, 80, 751-764.	3.8	670
44	Gamma oscillations: precise temporal coordination without a metronome. <i>Trends in Cognitive Sciences</i> , 2013, 17, 54-55.	4.0	90
45	Editorial overview. <i>Current Opinion in Neurobiology</i> , 2013, 23, 159-161.	2.0	2
46	Evidence for dysregulated high-frequency oscillations during sensory processing in medication-naïve, first episode schizophrenia. <i>Schizophrenia Research</i> , 2013, 150, 519-525.	1.1	86
47	Thalamocortical Synchronization and Cognition: Implications for Schizophrenia?. <i>Neuron</i> , 2013, 77, 997-999.	3.8	23
48	The Phase of Thalamic Alpha Activity Modulates Cortical Gamma-Band Activity: Evidence from Resting-State MEG Recordings. <i>Journal of Neuroscience</i> , 2013, 33, 17827-17835.	1.7	154
49	Deficits in high- (>60 Hz) gamma-band oscillations during visual processing in schizophrenia. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 88.	1.0	124
50	Orientation selectivity and noise correlation in awake monkey area V1 are modulated by the gamma cycle. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 4302-4307.	3.3	108
51	Impaired Gamma-Band Activity during Perceptual Organization in Adults with Autism Spectrum Disorders: Evidence for Dysfunctional Network Activity in Frontal-Posterior Cortices. <i>Journal of Neuroscience</i> , 2012, 32, 9563-9573.	1.7	139
52	Gamma-Band Activity in Human Prefrontal Cortex Codes for the Number of Relevant Items Maintained in Working Memory. <i>Journal of Neuroscience</i> , 2012, 32, 12411-12420.	1.7	279
53	Local Category-Specific Gamma Band Responses in the Visual Cortex Do Not Reflect Conscious Perception. <i>Journal of Neuroscience</i> , 2012, 32, 14909-14914.	1.7	72
54	Cholinergic Induction of Input-Specific Late-Phase LTP via Localized Ca <sup>2+</sup> Release in the Visual Cortex. <i>Journal of Neuroscience</i> , 2012, 32, 4520-4530.	1.7	7

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55	Meditation Increases the Depth of Information Processing and Improves the Allocation of Attention in Space. <i>Frontiers in Human Neuroscience</i> , 2012, 6, 133.	1.0	67
56	Thalamic Coordination of Cortical Communication. <i>Neuron</i> , 2012, 75, 551-552.	3.8	27
57	Neuronal Dynamics and Neuropsychiatric Disorders: Toward a Translational Paradigm for Dysfunctional Large-Scale Networks. <i>Neuron</i> , 2012, 75, 963-980.	3.8	446
58	Quantifying additive evoked contributions to the event-related potential. <i>NeuroImage</i> , 2012, 59, 2607-2624.	2.1	13
59	Auditory Motion Capturing Ambiguous Visual Motion. <i>Frontiers in Psychology</i> , 2012, 2, 391.	1.1	12
60	Detecting Multineuronal Temporal Patterns in Parallel Spike Trains. <i>Frontiers in Neuroinformatics</i> , 2012, 6, 18.	1.3	16
61	Auditory motion direction encoding in auditory cortex and high-level visual cortex. <i>Human Brain Mapping</i> , 2012, 33, 969-978.	1.9	54
62	Scaled correlation analysis: a better way to compute a cross-correlogram. <i>European Journal of Neuroscience</i> , 2012, 35, 742-762.	1.2	72
63	Distilling the neural correlates of consciousness. <i>Neuroscience and Biobehavioral Reviews</i> , 2012, 36, 737-746.	2.9	422
64	Orientation-selective functional magnetic resonance imaging adaptation in primary visual cortex revisited. <i>Human Brain Mapping</i> , 2012, 33, 707-714.	1.9	10
65	Context Matters: The Illusive Simplicity of Macaque V1 Receptive Fields. <i>PLoS ONE</i> , 2012, 7, e39699.	1.1	17
66	Expectations Change the Signatures and Timing of Electrophysiological Correlates of Perceptual Awareness. <i>Journal of Neuroscience</i> , 2011, 31, 1386-1396.	1.7	214
67	Synchrony Makes Neurons Fire in Sequence, and Stimulus Properties Determine Who Is Ahead. <i>Journal of Neuroscience</i> , 2011, 31, 8570-8584.	1.7	83
68	Dynamic Formation of Functional Networks by Synchronization. <i>Neuron</i> , 2011, 69, 191-193.	3.8	59
69	A new look at gamma? High- (>60Hz) $\gamma$ -band activity in cortical networks: Function, mechanisms and impairment. <i>Progress in Biophysics and Molecular Biology</i> , 2011, 105, 14-28.	1.4	173
70	Interhemispheric Connections Shape Subjective Experience of Bistable Motion. <i>Current Biology</i> , 2011, 21, 1494-1499.	1.8	80
71	Investigating human audio-visual object perception with a combination of hypothesis-generating and hypothesis-testing fMRI analysis tools. <i>Experimental Brain Research</i> , 2011, 213, 309-320.	0.7	9
72	Subjective and objective learning effects dissociate in space and in time. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 4506-4511.	3.3	61

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73	Gamma Responses Correlate with Temporal Expectation in Monkey Primary Visual Cortex. <i>Journal of Neuroscience</i> , 2011, 31, 15919-15931.	1.7	82
74	Saccade-Related Modulations of Neuronal Excitability Support Synchrony of Visually Elicited Spikes. <i>Cerebral Cortex</i> , 2011, 21, 2482-2497.	1.6	127
75	The Development of Neural Synchrony and Large-Scale Cortical Networks During Adolescence: Relevance for the Pathophysiology of Schizophrenia and Neurodevelopmental Hypothesis. <i>Schizophrenia Bulletin</i> , 2011, 37, 514-523.	2.3	152
76	Timescales of Multineuronal Activity Patterns Reflect Temporal Structure of Visual Stimuli. <i>PLoS ONE</i> , 2011, 6, e16758.	1.1	8
77	Time delays in the $\hat{I}^2/\hat{I}^3$ cycle operate on the level of individual neurons. <i>NeuroReport</i> , 2010, 21, 746-750.	0.6	3
78	Subtype-Specific Dendritic $Ca^{2+}$ Dynamics of Inhibitory Interneurons in the Rat Visual Cortex. <i>Journal of Neurophysiology</i> , 2010, 104, 840-853.	0.9	20
79	Abnormal neural oscillations and synchrony in schizophrenia. <i>Nature Reviews Neuroscience</i> , 2010, 11, 100-113.	4.9	1,706
80	Frequencies of gamma/beta oscillations are stably tuned to stimulus properties. <i>NeuroReport</i> , 2010, 21, 680-684.	0.6	12
81	Stimulus Predictability Reduces Responses in Primary Visual Cortex. <i>Journal of Neuroscience</i> , 2010, 30, 2960-2966.	1.7	441
82	Neuroelectromagnetic Correlates of Perceptual Closure Processes. <i>Journal of Neuroscience</i> , 2010, 30, 8342-8352.	1.7	74
83	Gamma-Phase Shifting in Awake Monkey Visual Cortex. <i>Journal of Neuroscience</i> , 2010, 30, 1250-1257.	1.7	165
84	Synchronization Dynamics in Response to Plaid Stimuli in Monkey V1. <i>Cerebral Cortex</i> , 2010, 20, 1556-1573.	1.6	103
85	Neuronal Avalanches in Spontaneous Activity In Vivo. <i>Journal of Neurophysiology</i> , 2010, 104, 3312-3322.	0.9	170
86	Large scale temporal coordination of cortical activity as prerequisite for conscious experience. <i>Pragmatics and Cognition</i> , 2010, 18, 570-583.	0.2	2
87	Alpha Phase Locking Predicts Residual Working Memory Performance in Schizophrenia. <i>Biological Psychiatry</i> , 2010, 68, 595-598.	0.7	34
88	Surround modulation of neuronal responses in V1 is as stable over time as responses to direct stimulation of receptive fields. <i>Cortex</i> , 2010, 46, 1199-1203.	1.1	4
89	Neural synchrony and the development of cortical networks. <i>Trends in Cognitive Sciences</i> , 2010, 14, 72-80.	4.0	423
90	Coordination in Brain Systems. , 2010, , 193-214.		8

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91	A Color-Based Visualization Technique for Multielectrode Spike Trains. <i>Journal of Neurophysiology</i> , 2009, 102, 3766-3778.	0.9	8
92	Neural synchrony in cortical networks: history, concept and current status. <i>Frontiers in Integrative Neuroscience</i> , 2009, 3, 17.	1.0	571
93	Bilateral visual field maps in a patient with only one hemisphere. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 13034-13039.	3.3	89
94	Cortical Oscillatory Activity Is Critical for Working Memory as Revealed by Deficits in Early-Onset Schizophrenia. <i>Journal of Neuroscience</i> , 2009, 29, 9481-9489.	1.7	254
95	Distributed Fading Memory for Stimulus Properties in the Primary Visual Cortex. <i>PLoS Biology</i> , 2009, 7, e1000260.	2.6	140
96	Cortical responses to self and others. <i>Human Brain Mapping</i> , 2009, 30, 951-962.	1.9	107
97	Distributed processing and temporal codes in neuronal networks. <i>Cognitive Neurodynamics</i> , 2009, 3, 189-196.	2.3	134
98	(Micro)Saccades, corollary activity and cortical oscillations. <i>Trends in Cognitive Sciences</i> , 2009, 13, 239-245.	4.0	92
99	Response to: Yuval-Greenberg et al., "Transient Induced Gamma-Band Response in EEG as a Manifestation of Miniature Saccades." <i>Neuron</i> 58, 429-441. <i>Neuron</i> , 2009, 62, 8-10.	3.8	34
100	Measuring sub-millisecond delays in spiking activity with millisecond time-bins. <i>Neuroscience Letters</i> , 2009, 450, 296-300.	1.0	9
101	The Brain, a Complex Self-organizing System. <i>European Review</i> , 2009, 17, 321-329.	0.4	49
102	The development of neural synchrony reflects late maturation and restructuring of functional networks in humans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 9866-9871.	3.3	299
103	Distinct cortical networks for the detection and identification of human body. <i>NeuroImage</i> , 2009, 45, 1264-1271.	2.1	143
104	Barlow's 1972 Paper. <i>Perception</i> , 2009, 38, 795-807.	0.5	10
105	NeuroXidence: reliable and efficient analysis of an excess or deficiency of joint-spike events. <i>Journal of Computational Neuroscience</i> , 2008, 25, 64-88.	0.6	69
106	Properties of multivariate data investigated by fractal dimensionality. <i>Journal of Neuroscience Methods</i> , 2008, 172, 27-33.	1.3	11
107	Deciding what to see: The role of intention and attention in the perception of apparent motion. <i>Vision Research</i> , 2008, 48, 1096-1106.	0.7	43
108	The Oscillation Score: An Efficient Method for Estimating Oscillation Strength in Neuronal Activity. <i>Journal of Neurophysiology</i> , 2008, 99, 1333-1353.	0.9	69

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109	Capture of Auditory Motion by Vision Is Represented by an Activation Shift from Auditory to Visual Motion Cortex. <i>Journal of Neuroscience</i> , 2008, 28, 2690-2697.	1.7	78
110	The Role of Oscillations and Synchrony in Cortical Networks and Their Putative Relevance for the Pathophysiology of Schizophrenia. <i>Schizophrenia Bulletin</i> , 2008, 34, 927-943.	2.3	545
111	Graphical Illustration and Functional Neuroimaging of Visual Hallucinations during Prolonged Blindfolding: A Comparison to Visual Imagery. <i>Perception</i> , 2008, 37, 1805-1821.	0.5	37
112	Synchronization of Neuronal Responses in Primary Visual Cortex of Monkeys Viewing Natural Images. <i>Journal of Neurophysiology</i> , 2008, 100, 1523-1532.	0.9	106
113	The Cortical Representation of Objects Rotating in Depth. <i>Journal of Neuroscience</i> , 2007, 27, 3864-3874.	1.7	27
114	Contribution of Impaired Early-Stage Visual Processing to Working Memory Dysfunction in Adolescents With Schizophrenia. <i>Archives of General Psychiatry</i> , 2007, 64, 1229.	13.8	201
115	The gamma cycle. <i>Trends in Neurosciences</i> , 2007, 30, 309-316.	4.2	943
116	Time-dependent effects of hyperoxia on the BOLD fMRI signal in primate visual cortex and LGN. <i>NeuroImage</i> , 2007, 35, 1044-1063.	2.1	18
117	Modulation of Neuronal Interactions Through Neuronal Synchronization. <i>Science</i> , 2007, 316, 1609-1612.	6.0	1,197
118	Synchronization of Neural Activity across Cortical Areas Correlates with Conscious Perception. <i>Journal of Neuroscience</i> , 2007, 27, 2858-2865.	1.7	665
119	Creation of visual long-term memory. <i>Perception &amp; Psychophysics</i> , 2007, 69, 904-912.	2.3	16
120	Neuronal Correlates of Colour-Graphemic Synaesthesia: Afmri Study. <i>Cortex</i> , 2006, 42, 295-303.	1.1	127
121	Neural Synchrony in Brain Disorders: Relevance for Cognitive Dysfunctions and Pathophysiology. <i>Neuron</i> , 2006, 52, 155-168.	3.8	1,807
122	Brightness Induction: Rate Enhancement and Neuronal Synchronization as Complementary Codes. <i>Neuron</i> , 2006, 52, 1073-1083.	3.8	83
123	Tight covariation of BOLD signal changes and slow ERPs in the parietal cortex in a parametric spatial imagery task with haptic acquisition. <i>European Journal of Neuroscience</i> , 2006, 23, 1910-1918.	1.2	32
124	See globally, spike locally: oscillations in a retinal model encode large visual features. <i>Biological Cybernetics</i> , 2006, 95, 327-348.	0.6	15
125	Cerebral correlates of impaired grating perception in individual, psychophysically assessed human amblyopes. <i>Vision Research</i> , 2006, 46, 506-526.	0.7	98
126	Dysfunctional Long-Range Coordination of Neural Activity during Gestalt Perception in Schizophrenia. <i>Journal of Neuroscience</i> , 2006, 26, 8168-8175.	1.7	412



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127	Gap Junctions among Dendrites of Cortical GABAergic Neurons Establish a Dense and Widespread Intercolumnar Network. <i>Journal of Neuroscience</i> , 2006, 26, 3434-3443.	1.7	196
128	Synaptic plasticity in the absence of backpropagating spikes of layer II inputs to layer V pyramidal cells in rat visual cortex. <i>European Journal of Neuroscience</i> , 2005, 21, 2605-2610.	1.2	16
129	Phase Dependent Sign Changes of GABAergic Synaptic Input Explored In-Silicio and In-Vitro. <i>Journal of Computational Neuroscience</i> , 2005, 19, 71-85.	0.6	15
130	Primary Visual Cortex Activity along the Apparent-Motion Trace Reflects Illusory Perception. <i>PLoS Biology</i> , 2005, 3, e265.	2.6	196
131	Hemodynamic Signals Correlate Tightly with Synchronized Gamma Oscillations. <i>Science</i> , 2005, 309, 948-951.	6.0	722
132	Wann und warum erscheinen uns Entscheidungen als frei?. <i>Deutsche Zeitschrift Fur Philosophie</i> , 2005, 53, 707-722.	0.0	10
133	Amplitude and Direction of Saccadic Eye Movements Depend on the Synchronicity of Collicular Population Activity. <i>Journal of Neurophysiology</i> , 2004, 92, 424-432.	0.9	29
134	Processing Deficits in Primary Visual Cortex of Amblyopic Cats. <i>Journal of Neurophysiology</i> , 2004, 91, 1661-1671.	0.9	26
135	Short- and Long-Term Effects of Cholinergic Modulation on Gamma Oscillations and Response Synchronization in the Visual Cortex. <i>Journal of Neuroscience</i> , 2004, 24, 10369-10378.	1.7	232
136	Phase Sensitivity of Synaptic Modifications in Oscillating Cells of Rat Visual Cortex. <i>Journal of Neuroscience</i> , 2004, 24, 9067-9075.	1.7	166
137	Selbsterfahrung und neurobiologische Fremdbeschreibung. <i>Deutsche Zeitschrift Fur Philosophie</i> , 2004, 52, 235-256.	0.0	30
138	Precise placement of multiple electrodes into functionally predefined cortical locations. <i>Journal of Neuroscience Methods</i> , 2003, 126, 195-207.	1.3	4
139	Features of Neuronal Synchrony in Mouse Visual Cortex. <i>Journal of Neurophysiology</i> , 2003, 90, 1115-1123.	0.9	86
140	Cortical capacity constraints for visual working memory: dissociation of fMRI load effects in a fronto-parietal network. <i>NeuroImage</i> , 2003, 20, 1518-1530.	2.1	292
141	Chapter 1 Cognition, gamma oscillations and neuronal synchrony. <i>Supplements To Clinical Neurophysiology</i> , 2002, 54, 3-22.	2.1	2
142	Activity patterns in human motion-sensitive areas depend on the interpretation of global motion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 13914-13919.	3.3	131
143	Ocular dominance in extrastriate cortex of strabismic amblyopic cats. <i>Vision Research</i> , 2002, 42, 29-39.	0.7	55
144	Integration of Multiple Motion Vectors Over Space: An fMRI Study of Transparent Motion Perception. <i>NeuroImage</i> , 2002, 16, 843-856.	2.1	42

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145	Apparent Motion: Event-Related Functional Magnetic Resonance Imaging of Perceptual Switches and States. <i>Journal of Neuroscience</i> , 2002, 22, RC219-RC219.	1.7	102
146	Oscillatory Neuronal Synchronization in Primary Visual Cortex as a Correlate of Stimulus Selection. <i>Journal of Neuroscience</i> , 2002, 22, 3739-3754.	1.7	273
147	Temporal binding and the neural correlates of sensory awareness. <i>Trends in Cognitive Sciences</i> , 2001, 5, 16-25.	4.0	1,314
148	Conditions of perceptual selection and suppression during interocular rivalry in strabismic and normal cats. <i>Vision Research</i> , 2001, 41, 771-783.	0.7	12
149	Sustained extrastriate cortical activation without visual awareness revealed by fMRI studies of hemianopic patients. <i>Vision Research</i> , 2001, 41, 1459-1474.	0.7	232
150	Chapter 8 Synchronization and assembly formation in the visual cortex. <i>Progress in Brain Research</i> , 2001, 130, 111-140.	0.9	27
151	Rapid feature selective neuronal synchronization through correlated latency shifting. <i>Nature Neuroscience</i> , 2001, 4, 194-200.	7.1	309
152	Dynamic predictions: Oscillations and synchrony in top-down processing. <i>Nature Reviews Neuroscience</i> , 2001, 2, 704-716.	4.9	3,053
153	Synchronization of visual responses in the superior colliculus of awake cats. <i>NeuroReport</i> , 2001, 12, 43-47.	0.6	53
154	Consciousness and the Binding Problem. <i>Annals of the New York Academy of Sciences</i> , 2001, 929, 123-146.	1.8	278
155	Differential effects of neurotrophins on ocular dominance plasticity in developing and adult cat visual cortex. <i>European Journal of Neuroscience</i> , 2000, 12, 3315-3330.	1.2	36
156	Neural synchrony correlates with surface segregation rules. <i>Nature</i> , 2000, 405, 685-689.	13.7	212
157	Conjunctions of colour, luminance and orientation: the role of colour and luminance contrast on saliency and proximity grouping in texture segregation. <i>Spatial Vision</i> , 2000, 13, 87-105.	1.4	9
158	Interhemispheric Asymmetries of the Modular Structure in Human Temporal Cortex. <i>Science</i> , 2000, 289, 1946-1949.	6.0	252
159	Patterns of Synchronization in the Superior Colliculus of Anesthetized Cats. <i>Journal of Neuroscience</i> , 1999, 19, 3567-3579.	1.7	41
160	Precisely Synchronized Oscillatory Firing Patterns Require Electroencephalographic Activation. <i>Journal of Neuroscience</i> , 1999, 19, 3992-4010.	1.7	319
161	Testing non-linearity and directedness of interactions between neural groups in the macaque inferotemporal cortex. <i>Journal of Neuroscience Methods</i> , 1999, 94, 105-119.	1.3	113
162	Genetic and epigenetic regulation of NMDA receptor expression in the rat visual cortex. <i>European Journal of Neuroscience</i> , 1999, 11, 4320-4326.	1.2	81

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163	Time as coding space?. <i>Current Opinion in Neurobiology</i> , 1999, 9, 189-194.	2.0	132
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