

Peter König

List of Publications by Year in descending order

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277
papers

22,452
citations

19608

61
h-index

9839

141
g-index

375
all docs

375
docs citations

375
times ranked

12890
citing authors

#	ARTICLE	IF	CITATIONS
1	Oscillatory responses in cat visual cortex exhibit inter-columnar synchronization which reflects global stimulus properties. <i>Nature</i> , 1989, 338, 334-337.	13.7	4,087
2	Visuomotor integration is associated with zero time-lag synchronization among cortical areas. <i>Nature</i> , 1997, 385, 157-161.	13.7	1,075
3	Interhemispheric synchronization of oscillatory neuronal responses in cat visual cortex. <i>Science</i> , 1991, 252, 1177-1179.	6.0	988
4	Temporal coding in the visual cortex: new vistas on integration in the nervous system. <i>Trends in Neurosciences</i> , 1992, 15, 218-226.	4.2	662
5	Top-down processing mediated by interareal synchronization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 14748-14753.	3.3	651
6	Integrator or coincidence detector? The role of the cortical neuron revisited. <i>Trends in Neurosciences</i> , 1996, 19, 130-137.	4.2	621
7	Role of Reticular Activation in the Modulation of Intracortical Synchronization. <i>Science</i> , 1996, 272, 271-274.	6.0	564
8	Synchronization of oscillatory neuronal responses between striate and extrastriate visual cortical areas of the cat.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1991, 88, 6048-6052.	3.3	474
9	Synchronization of oscillatory responses in visual cortex correlates with perception in interocular rivalry. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997, 94, 12699-12704.	3.3	449
10	Stimulus-Dependent Neuronal Oscillations in Cat Visual Cortex: Inter-Columnar Interaction as Determined by Cross-Correlation Analysis. <i>European Journal of Neuroscience</i> , 1990, 2, 588-606.	1.2	443
11	Temporal Binding, Binocular Rivalry, and Consciousness. <i>Consciousness and Cognition</i> , 1999, 8, 128-151.	0.8	411
12	Direct physiological evidence for scene segmentation by temporal coding.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1991, 88, 9136-9140.	3.3	393
13	Synchronization of oscillatory neuronal responses in cat striate cortex: Temporal properties. <i>Visual Neuroscience</i> , 1992, 8, 337-347.	0.5	358
14	Stimulus-Dependent Neuronal Oscillations in Cat Visual Cortex: Receptive Field Properties and Feature Dependence. <i>European Journal of Neuroscience</i> , 1990, 2, 607-619.	1.2	333
15	Stimulus-Dependent Assembly Formation of Oscillatory Responses: I. Synchronization. <i>Neural Computation</i> , 1991, 3, 155-166.	1.3	331
16	Where's the action? The pragmatic turn in cognitive science. <i>Trends in Cognitive Sciences</i> , 2013, 17, 202-209.	4.0	326
17	Development of Effective Quantum Mechanical/Molecular Mechanical (QM/MM) Methods for Complex Biological Processes. <i>Journal of Physical Chemistry B</i> , 2006, 110, 6458-6469.	1.2	290
18	Relation between oscillatory activity and long-range synchronization in cat visual cortex.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1995, 92, 290-294.	3.3	283

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19	Internet-Enabled Interactive Multimedia Asthma Education Program: A Randomized Trial. <i>Pediatrics</i> , 2003, 111, 503-510.	1.0	255
20	Combining EEG and eye tracking: identification, characterization, and correction of eye movement artifacts in electroencephalographic data. <i>Frontiers in Human Neuroscience</i> , 2012, 6, 278.	1.0	253
21	Reduced Synchronization in the Visual Cortex of Cats with Strabismic Amblyopia. <i>European Journal of Neuroscience</i> , 1994, 6, 1645-1655.	1.2	246
22	Hyperscanning: A Valid Method to Study Neural Inter-brain Underpinnings of Social Interaction. <i>Frontiers in Human Neuroscience</i> , 2020, 14, 39.	1.0	233
23	How Precise is Neuronal Synchronization?. <i>Neural Computation</i> , 1995, 7, 469-485.	1.3	186
24	Does luminance-contrast contribute to a saliency map for overt visual attention?. <i>European Journal of Neuroscience</i> , 2003, 17, 1089-1097.	1.2	185
25	Binding by temporal structure in multiple feature domains of an oscillatory neuronal network. <i>Biological Cybernetics</i> , 1994, 70, 397-405.	0.6	174
26	Eye tracking in virtual reality. <i>Journal of Eye Movement Research</i> , 2019, 12, .	0.5	173
27	Beyond sensory substitution—learning the sixth sense. <i>Journal of Neural Engineering</i> , 2005, 2, R13-R26.	1.8	165
28	The Role of Neuronal Synchronization in Response Selection: A Biologically Plausible Theory of Structured Representations in the Visual Cortex. <i>Journal of Cognitive Neuroscience</i> , 1996, 8, 603-625.	1.1	156
29	A Functional Gamma-Band Defined by Stimulus-Dependent Synchronization in Area 18 of Awake Behaving Cats. <i>Journal of Neuroscience</i> , 2003, 23, 4251-4260.	1.7	140
30	The world from a cat's perspective ? statistics of natural videos. <i>Biological Cybernetics</i> , 2004, 90, 41-50.	0.6	138
31	Squint Affects Synchronization of Oscillatory Responses in Cat Visual Cortex. <i>European Journal of Neuroscience</i> , 1993, 5, 501-508.	1.2	135
32	On the directionality of cortical interactions studied by structural analysis of electrophysiological recordings. <i>Biological Cybernetics</i> , 1999, 81, 199-210.	0.6	130
33	Correlated firing in sensory-motor systems. <i>Current Opinion in Neurobiology</i> , 1995, 5, 511-519.	2.0	124
34	How Are Complex Cell Properties Adapted to the Statistics of Natural Stimuli?. <i>Journal of Neurophysiology</i> , 2004, 91, 206-212.	0.9	120
35	Responses to Natural Scenes in Cat V1. <i>Journal of Neurophysiology</i> , 2003, 90, 1910-1920.	0.9	115
36	Processing of complex stimuli and natural scenes in the visual cortex. <i>Current Opinion in Neurobiology</i> , 2004, 14, 468-473.	2.0	113

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37	The saccadic spike artifact in MEG. <i>NeuroImage</i> , 2012, 59, 1657-1667.	2.1	112
38	A Model of the Ventral Visual System Based on Temporal Stability and Local Memory. <i>PLoS Biology</i> , 2006, 4, e120.	2.6	110
39	A method for the quantification of synchrony and oscillatory properties of neuronal activity. <i>Journal of Neuroscience Methods</i> , 1994, 54, 31-37.	1.3	107
40	Integrating top-down and bottom-up sensory processing by somato-dendritic interactions. <i>Journal of Computational Neuroscience</i> , 2000, 8, 161-173.	0.6	106
41	Influence of disparity on fixation and saccades in free viewing of natural scenes. <i>Journal of Vision</i> , 2009, 9, 29-29.	0.1	104
42	Texture Signals in Whisker Vibrations. <i>Journal of Neurophysiology</i> , 2006, 95, 1792-1799.	0.9	103
43	A Comparison of Hemodynamic and Neural Responses in Cat Visual Cortex Using Complex Stimuli. <i>Cerebral Cortex</i> , 2004, 14, 881-891.	1.6	98
44	Induction and separation of motion artifacts in EEG data using a mobile phantom head device. <i>Journal of Neural Engineering</i> , 2016, 13, 036014.	1.8	94
45	Kinesthetic and vestibular information modulate alpha activity during spatial navigation: a mobile EEG study. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 71.	1.0	90
46	Modeling of Large-Scale Functional Brain Networks Based on Structural Connectivity from DTI: Comparison with EEG Derived Phase Coupling Networks and Evaluation of Alternative Methods along the Modeling Path. <i>PLoS Computational Biology</i> , 2016, 12, e1005025.	1.5	90
47	Is Attentional Resource Allocation Across Sensory Modalities Task-Dependent?. <i>Advances in Cognitive Psychology</i> , 2017, 13, 83-96.	0.2	89
48	Gaze allocation in natural stimuli: Comparing free exploration to head-fixed viewing conditions. <i>Visual Cognition</i> , 2009, 17, 1132-1158.	0.9	86
49	Human Decisions in Moral Dilemmas are Largely Described by Utilitarianism: Virtual Car Driving Study Provides Guidelines for Autonomous Driving Vehicles. <i>Science and Engineering Ethics</i> , 2019, 25, 399-418.	1.7	85
50	Human eye-head co-ordination in natural exploration. <i>Network: Computation in Neural Systems</i> , 2007, 18, 267-297.	2.2	83
51	Proposing Metrics for Benchmarking Novel EEG Technologies Towards Real-World Measurements. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 188.	1.0	82
52	Proton Transfer in Carbonic Anhydrase Is Controlled by Electrostatics Rather than the Orientation of the Acceptor. <i>Biochemistry</i> , 2008, 47, 2369-2378.	1.2	79
53	Spatial biases in viewing behavior. <i>Journal of Vision</i> , 2014, 14, 20-20.	0.1	79
54	Developmental Changes in Natural Viewing Behavior: Bottom-Up and Top-Down Differences between Children, Young Adults and Older Adults. <i>Frontiers in Psychology</i> , 2010, 1, 207.	1.1	78

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55	Systems, Subjects, Sessions: To What Extent Do These Factors Influence EEG Data?. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 150.	1.0	76
56	Invariant representations of visual patterns in a temporal population code. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 324-329.	3.3	75
57	A new comprehensive eye-tracking test battery concurrently evaluating the Pupil Labs glasses and the EyeLink 1000. <i>PeerJ</i> , 2019, 7, e7086.	0.9	75
58	Stimulus-Dependent Assembly Formation of Oscillatory Responses: II. Desynchronization. <i>Neural Computation</i> , 1991, 3, 167-178.	1.3	73
59	Learning the invariance properties of complex cells from their responses to natural stimuli. <i>European Journal of Neuroscience</i> , 2002, 15, 475-486.	1.2	72
60	Using Virtual Reality to Assess Ethical Decisions in Road Traffic Scenarios: Applicability of Value-of-Life-Based Models and Influences of Time Pressure. <i>Frontiers in Behavioral Neuroscience</i> , 2017, 11, 122.	1.0	70
61	Differences of monkey and human overt attention under natural conditions. <i>Vision Research</i> , 2006, 46, 1194-1209.	0.7	68
62	Oscillatory brain activity during multisensory attention reflects activation, disinhibition, and cognitive control. <i>Scientific Reports</i> , 2016, 6, 32775.	1.6	68
63	Symbols as Self-emergent Entities in an Optimization Process of Feature Extraction and Predictions. <i>Biological Cybernetics</i> , 2006, 94, 325-334.	0.6	67
64	Overt Attention and Context Factors: The Impact of Repeated Presentations, Image Type, and Individual Motivation. <i>PLoS ONE</i> , 2011, 6, e21719.	1.1	66
65	Prevalence of Selectivity for Mirror-Symmetric Views of Faces in the Ventral and Dorsal Visual Pathways. <i>Journal of Neuroscience</i> , 2012, 32, 11763-11772.	1.7	66
66	Supervised and unsupervised learning with two sites of synaptic integration. <i>Journal of Computational Neuroscience</i> , 2001, 11, 207-215.	0.6	64
67	Stimulus locking and feature selectivity prevail in complementary frequency ranges of V1 local field potentials. <i>European Journal of Neuroscience</i> , 2004, 19, 485-489.	1.2	64
68	Pupil Sizes Scale with Attentional Load and Task Experience in a Multiple Object Tracking Task. <i>PLoS ONE</i> , 2016, 11, e0168087.	1.1	62
69	Are switches in perception of the Necker cube related to eye position?. <i>European Journal of Neuroscience</i> , 2004, 20, 2811-2818.	1.2	61
70	Sensory Augmentation for the Blind. <i>Frontiers in Human Neuroscience</i> , 2012, 6, 37.	1.0	61
71	What's color got to do with it? The influence of color on visual attention in different categories. <i>Journal of Vision</i> , 2008, 8, 6-6.	0.1	60
72	Melanopsin Variants as Intrinsic Optogenetic On and Off Switches for Transient versus Sustained Activation of G Protein Pathways. <i>Current Biology</i> , 2016, 26, 1206-1212.	1.8	60

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73	Learning with two sites of synaptic integration. <i>Network: Computation in Neural Systems</i> , 2000, 11, 25-39.	2.2	58
74	The experience of new sensorimotor contingencies by sensory augmentation. <i>Consciousness and Cognition</i> , 2014, 28, 47-63.	0.8	58
75	Investigating task-dependent top-down effects on overt visual attention. <i>Journal of Vision</i> , 2010, 10, 1-14.	0.1	57
76	Saccadic Momentum and Facilitation of Return Saccades Contribute to an Optimal Foraging Strategy. <i>PLoS Computational Biology</i> , 2013, 9, e1002871.	1.5	57
77	Emotions and personality traits as high-level factors in visual attention: a review. <i>Frontiers in Human Neuroscience</i> , 2012, 6, 321.	1.0	55
78	Feeling good, searching the bad: Positive priming increases attention and memory for negative stimuli on webpages. <i>Computers in Human Behavior</i> , 2015, 53, 332-343.	5.1	55
79	Alternating oscillatory and stochastic states in a network of spiking neurons. <i>Network: Computation in Neural Systems</i> , 1993, 4, 243-257.	2.2	54
80	Restricted vision increases sensorimotor cortex involvement in human walking. <i>Journal of Neurophysiology</i> , 2017, 118, 1943-1951.	0.9	54
81	Autonomous Vehicles Require Socio-Political Acceptance—An Empirical and Philosophical Perspective on the Problem of Moral Decision Making. <i>Frontiers in Behavioral Neuroscience</i> , 2018, 12, 31.	1.0	54
82	Salient features in gaze-aligned recordings of human visual input during free exploration of natural environments. <i>Journal of Vision</i> , 2008, 8, 12-12.	0.1	53
83	#EEGManyLabs: Investigating the replicability of influential EEG experiments. <i>Cortex</i> , 2021, 144, 213-229.	1.1	52
84	Influence of Low-Level Stimulus Features, Task Dependent Factors, and Spatial Biases on Overt Visual Attention. <i>PLoS Computational Biology</i> , 2010, 6, e1000791.	1.5	51
85	Formation of Cortical Cell Assemblies. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 1990, 55, 939-952.	2.0	51
86	Measures and Limits of Models of Fixation Selection. <i>PLoS ONE</i> , 2011, 6, e24038.	1.1	51
87	The three-dimensional structure of in vitro reconstituted <i>Xenopus laevis</i> chromosomes by EM tomography. <i>Chromosoma</i> , 2007, 116, 349-372.	1.0	49
88	Audition and vision share spatial attentional resources, yet attentional load does not disrupt audiovisual integration. <i>Frontiers in Psychology</i> , 2015, 6, 1084.	1.1	48
89	Sparse Spectrotemporal Coding of Sounds. <i>Eurasip Journal on Advances in Signal Processing</i> , 2003, 2003, 1.	1.0	45
90	Testing the theory of embodied cognition with subliminal words. <i>Cognition</i> , 2010, 116, 303-320.	1.1	45

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91	Cultural background shapes spatial reference frame proclivity. <i>Scientific Reports</i> , 2015, 5, 11426.	1.6	45
92	Learning viewpoint invariant object representations using a temporal coherence principle. <i>Biological Cybernetics</i> , 2005, 93, 79-90.	0.6	44
93	Integrating audiovisual information for the control of overt attention. <i>Journal of Vision</i> , 2007, 7, 11.	0.1	44
94	Effects of luminance contrast and its modifications on fixation behavior during free viewing of images from different categories. <i>Vision Research</i> , 2009, 49, 1541-1553.	0.7	42
95	A closer look at the apparent correlation of structural and functional connectivity in excitable neural networks. <i>Scientific Reports</i> , 2015, 5, 7870.	1.6	41
96	A Channel Rejection Method for Attenuating Motion-Related Artifacts in EEG Recordings during Walking. <i>Frontiers in Neuroscience</i> , 2017, 11, 225.	1.4	41
97	Learning New Sensorimotor Contingencies: Effects of Long-Term Use of Sensory Augmentation on the Brain and Conscious Perception. <i>PLoS ONE</i> , 2016, 11, e0166647.	1.1	41
98	Emotions' Impact on Viewing Behavior under Natural Conditions. <i>PLoS ONE</i> , 2013, 8, e52737.	1.1	39
99	Predictions of Visual Content across Eye Movements and Their Modulation by Inferred Information. <i>Journal of Neuroscience</i> , 2015, 35, 7403-7413.	1.7	39
100	The Contributions of Image Content and Behavioral Relevancy to Overt Attention. <i>PLoS ONE</i> , 2014, 9, e93254.	1.1	39
101	Bi-directional interactions between visual areas in the awake behaving cat. <i>NeuroReport</i> , 2000, 11, 689-692.	0.6	38
102	EEG correlates of sensorimotor processing: independent components involved in sensory and motor processing. <i>Scientific Reports</i> , 2017, 7, 4461.	1.6	38
103	Further Advantages of Data Augmentation on Convolutional Neural Networks. <i>Lecture Notes in Computer Science</i> , 2018, , 95-103.	1.0	38
104	Multisensory teamwork: using a tactile or an auditory display to exchange gaze information improves performance in joint visual search. <i>Ergonomics</i> , 2016, 59, 781-795.	1.1	37
105	Why does the cortex oscillate?. <i>Current Biology</i> , 1992, 2, 332-334.	1.8	36
106	Mechanisms to synchronize neuronal activity. <i>Biological Cybernetics</i> , 2001, 84, 153-172.	0.6	36
107	Entorhinal cortex receptive fields are modulated by spatial attention, even without movement. <i>ELife</i> , 2018, 7, .	2.8	36
108	Neurophysiological Relevance of Time. , 1997, , 133-157.		36

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109	The relation of phase noise and luminance contrast to overt attention in complex visual stimuli. <i>Journal of Vision</i> , 2006, 6, 1-1.	0.1	35
110	Moral Judgements on the Actions of Self-Driving Cars and Human Drivers in Dilemma Situations From Different Perspectives. <i>Frontiers in Psychology</i> , 2019, 10, 2415.	1.1	35
111	Saliency on a natural scene background: Effects of color and luminance contrast add linearly. <i>Attention, Perception, and Psychophysics</i> , 2009, 71, 1337-1352.	0.7	34
112	Overt Visual Attention as a Causal Factor of Perceptual Awareness. <i>PLoS ONE</i> , 2011, 6, e22614.	1.1	34
113	Cooperative Behavior Evokes Interbrain Synchrony in the Prefrontal and Temporoparietal Cortex: A Systematic Review and Meta-Analysis of fNIRS Hyperscanning Studies. <i>ENeuro</i> , 2022, 9, ENEURO.0268-21.2022.	0.9	34
114	Synchronization of neuronal responses in the optic tectum of awake pigeons. <i>Visual Neuroscience</i> , 1996, 13, 575-584.	0.5	33
115	Temporal correlations of orientations in natural scenes. <i>Neurocomputing</i> , 2003, 52-54, 117-123.	3.5	33
116	Vision and Haptics Share Spatial Attentional Resources and Visuotactile Integration Is Not Affected by High Attentional Load. <i>Multisensory Research</i> , 2015, 28, 371-392.	0.6	33
117	Oscillatory signatures of crossmodal congruence effects: An EEG investigation employing a visuotactile pattern matching paradigm. <i>NeuroImage</i> , 2015, 116, 177-186.	2.1	33
118	An extensive dataset of eye movements during viewing of complex images. <i>Scientific Data</i> , 2017, 4, 160126.	2.4	33
119	Extracting Slow Subspaces from Natural Videos Leads to Complex Cells. <i>Lecture Notes in Computer Science</i> , 2001, , 1075-1080.	1.0	33
120	Independent encoding of grating motion across stationary feature maps in primary visual cortex visualized with voltage-sensitive dye imaging. <i>NeuroImage</i> , 2011, 55, 1763-1770.	2.1	31
121	Viewing behavior and the impact of low-level image properties across repeated presentations of complex scenes. <i>Journal of Vision</i> , 2011, 11, 26-26.	0.1	31
122	Attentional Resource Allocation in Visuotactile Processing Depends on the Task, But Optimal Visuotactile Integration Does Not Depend on Attentional Resources. <i>Frontiers in Integrative Neuroscience</i> , 2016, 10, 13.	1.0	31
123	The role of first- and second-order stimulus features for human overt attention. <i>Perception & Psychophysics</i> , 2007, 69, 153-161.	2.3	29
124	Getting real – sensory processing of natural stimuli. <i>Current Opinion in Neurobiology</i> , 2010, 20, 389-395.	2.0	29
125	Eye movements as a window to cognitive processes. <i>Journal of Eye Movement Research</i> , 2016, 9, .	0.5	29
126	Novel endoscope with increased depth of field for imaging human nasal tissue by microscopic optical coherence tomography. <i>Biomedical Optics Express</i> , 2018, 9, 636.	1.5	28

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127	Using multimedia information and communication technology (ICT) to provide added value to reminiscence therapy for people with dementia. Zeitschrift Fur Gerontologie Und Geriatrie, 2018, 51, 9-15.	0.8	27
128	The dynamic effect of reading direction habit on spatial asymmetry of image perception. Journal of Vision, 2016, 16, 8.	0.1	26
129	Representational Dynamics of Facial Viewpoint Encoding. Journal of Cognitive Neuroscience, 2017, 29, 637-651.	1.1	26
130	Visual stimulus locking of EEG is modulated by temporal congruency of auditory stimuli. Experimental Brain Research, 2009, 198, 137-151.	0.7	25
131	Space-Valence Priming with Subliminal and Supraliminal Words. Frontiers in Psychology, 2013, 4, 81.	1.1	25
132	Different strategies for spatial updating in yaw and pitch path integration. Frontiers in Behavioral Neuroscience, 2013, 7, 5.	1.0	25
133	Spectral fingerprints of large-scale cortical dynamics during ambiguous motion perception. Human Brain Mapping, 2016, 37, 4099-4111.	1.9	25
134	Exploration and Exploitation in Natural Viewing Behavior. Scientific Reports, 2017, 7, 2311.	1.6	25
135	Active Sensing -Closing Multiple Loops. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 1998, 53, 542-549.	0.6	24
136	Effects of Training on Neuronal Activity and Interactions in Primary and Higher Visual Cortices in the Alert Cat. Journal of Neuroscience, 2004, 24, 1627-1636.	1.7	24
137	Eye-Head Coordination during Free Exploration in Human and Cat. Annals of the New York Academy of Sciences, 2009, 1164, 353-366.	1.8	24
138	On the Role of Biophysical Properties of Cortical Neurons in Binding and Segmentation of Visual Scenes. Neural Computation, 1999, 11, 1113-1138.	1.3	23
139	Learning the Nonlinearity of Neurons from Natural Visual Stimuli. Neural Computation, 2003, 15, 1751-1759.	1.3	23
140	Hand Washing Induces a Clean Slate Effect in Moral Judgments: A Pupillometry and Eye-Tracking Study. Scientific Reports, 2015, 5, 10471.	1.6	23
141	Long-range functional coupling predicts performance: Oscillatory EEG networks in multisensory processing. NeuroImage, 2019, 196, 114-125.	2.1	23
142	Humans treat unreliable filled-in percepts as more real than veridical ones. ELife, 2017, 6, .	2.8	23
143	Stimulus-Dependent Assembly Formation of Oscillatory Responses: III. Learning. Neural Computation, 1992, 4, 666-681.	1.3	22
144	A learning rule for dynamic recruitment and decorrelation. Neural Networks, 2000, 13, 1-9.	3.3	22

#	ARTICLE	IF	CITATIONS
145	Subcortical human face processing? Evidence from masked priming.. Journal of Experimental Psychology: Human Perception and Performance, 2013, 39, 989-1002.	0.7	22
146	Two Trackers Are Better than One: Information about the Co-actor's Actions and Performance Scores Contribute to the Collective Benefit in a Joint Visuospatial Task. Frontiers in Psychology, 2017, 8, 669.	1.1	22
147	Spike-timing-dependent plasticity can account for connectivity aftereffects of dual-site transcranial alternating current stimulation. NeuroImage, 2021, 237, 118179.	2.1	22
148	Local and Global Gating of Synaptic Plasticity. Neural Computation, 2000, 12, 519-529.	1.3	21
149	Natural Scene Evoked Population Dynamics across Cat Primary Visual Cortex Captured with Voltage-Sensitive Dye Imaging. Cerebral Cortex, 2011, 21, 2542-2554.	1.6	21
150	Primary Visual Cortex Represents the Difference Between Past and Present. Cerebral Cortex, 2015, 25, 1427-1440.	1.6	21
151	Directed interactions between visual areas and their role in processing image structure and expectancy. European Journal of Neuroscience, 2004, 20, 1391-1401.	1.2	20
152	Modulation of synchrony without changes in firing rates. Cognitive Neurodynamics, 2007, 1, 225-235.	2.3	20
153	Unmasking the contribution of low-level features to the guidance of attention. Neuropsychologia, 2012, 50, 3478-3487.	0.7	20
154	Real and implied motion at the center of gaze. Journal of Vision, 2014, 14, 2-2.	0.1	20
155	Beyond Correlation: Do Color Features Influence Attention in Rainforest?. Frontiers in Human Neuroscience, 2011, 5, 36.	1.0	19
156	Group benefits in joint perceptual tasks—a review. Annals of the New York Academy of Sciences, 2018, 1426, 166-178.	1.8	19
157	Performance similarities predict collective benefits in dyadic and triadic joint visual search. PLoS ONE, 2018, 13, e0191179.	1.1	19
158	Auditory Gist Perception: An Alternative to Attentional Selection of Auditory Streams?. Lecture Notes in Computer Science, 2007, , 399-416.	1.0	17
159	Non-contact eye-tracking on cats. Journal of Neuroscience Methods, 2001, 110, 103-111.	1.3	16
160	Crossmodal Integration Improves Sensory Detection Thresholds in the Ferret. PLoS ONE, 2015, 10, e0124952.	1.1	16
161	Effects of contextual information and stimulus ambiguity on overt visual sampling behavior. Vision Research, 2015, 110, 76-86.	0.7	16
162	Probing the temporal dynamics of the exploration–exploitation dilemma of eye movements. Journal of Vision, 2018, 18, 6.	0.1	16

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163	Neurons with Two Sites of Synaptic Integration Learn Invariant Representations. <i>Neural Computation</i> , 2001, 13, 2823-2849.	1.3	15
164	Decoding a Temporal Population Code. <i>Neural Computation</i> , 2004, 16, 2079-2100.	1.3	15
165	Interactions between eye movement systems in cats and humans. <i>Experimental Brain Research</i> , 2004, 157, 215-24.	0.7	15
166	Distinct Roles for Eye and Head Movements in Selecting Salient Image Parts during Natural Exploration. <i>Annals of the New York Academy of Sciences</i> , 2009, 1164, 188-193.	1.8	15
167	The Occipital Face Area Is Causally Involved in Facial Viewpoint Perception. <i>Journal of Neuroscience</i> , 2015, 35, 16398-16403.	1.7	15
168	Independent Component Analysis and Source Localization on Mobile EEG Data Can Identify Increased Levels of Acute Stress. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 310.	1.0	15
169	Learning of Spatial Properties of a Large-Scale Virtual City With an Interactive Map. <i>Frontiers in Human Neuroscience</i> , 2019, 13, 240.	1.0	15
170	The effects of cromolyn sodium and nedocromil sodium in early asthma prevention. <i>Journal of Allergy and Clinical Immunology</i> , 2000, 105, S575-S581.	1.5	14
171	Bayesian Alternation during Tactile Augmentation. <i>Frontiers in Behavioral Neuroscience</i> , 2016, 10, 187.	1.0	14
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