

Andreas Karl Engel

List of Publications by Year in descending order

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Version: 2024-02-01

279
papers

38,497
citations

8181

76
h-index

3261

185
g-index

324
all docs

324
docs citations

324
times ranked

22033
citing authors

#	ARTICLE	IF	CITATIONS
1	Preparatory delta phase response is correlated with naturalistic speech comprehension performance. Cognitive Neurodynamics, 2022, 16, 337-352.	4.0	7
2	tACS phase-specifically biases brightness perception of flickering light. Brain Stimulation, 2022, 15, 244-253.	1.6	9
3	Combined Subthalamic and Nigral Stimulation Modulates Temporal Gait Coordination and Cortical Gait-Network Activity in Parkinson's Disease. Frontiers in Human Neuroscience, 2022, 16, 812954.	2.0	6
4	Editorial: Cross-Modal Learning: Adaptivity, Prediction and Interaction. Frontiers in Neurorobotics, 2022, 16, 889911.	2.8	2
5	Instant classification for the spatially-coded BCI. PLoS ONE, 2022, 17, e0267548.	2.5	3
6	Training the spatially-coded SSVEP BCI on the fly. Journal of Neuroscience Methods, 2022, 378, 109652.	2.5	4
7	The diencephalon of two carnivore species: The feliform banded mongoose and the caniform domestic ferret. Journal of Comparative Neurology, 2021, 529, 52-86.	1.6	2
8	The hippocampal formation of two carnivore species: The feliform banded mongoose and the caniform domestic ferret. Journal of Comparative Neurology, 2021, 529, 8-27.	1.6	5
9	Coupling of gamma band activity to sleep spindle oscillations – a combined EEG/MEG study. NeuroImage, 2021, 224, 117452.	4.2	17
10	Non-rhythmic temporal prediction involves phase resets of low-frequency delta oscillations. NeuroImage, 2021, 224, 117376.	4.2	20
11	The amygdaloid body of two carnivore species: The feliform banded mongoose and the caniform domestic ferret. Journal of Comparative Neurology, 2021, 529, 28-51.	1.6	1
12	Data-Driven Classification of Spectral Profiles Reveals Brain Region-Specific Plasticity in Blindness. Cerebral Cortex, 2021, 31, 2505-2522.	2.9	13
13	Speaker-Listener Neural Coupling Reveals an Adaptive Mechanism for Speech Comprehension in a Noisy Environment. Cerebral Cortex, 2021, 31, 4719-4729.	2.9	15
14	Circuit mechanisms for the chemical modulation of cortex-wide network interactions and behavioral variability. Science Advances, 2021, 7, .	10.3	31
15	BiPOLES is an optogenetic tool developed for bidirectional dual-color control of neurons. Nature Communications, 2021, 12, 4527.	12.8	73
16	Spike-timing-dependent plasticity can account for connectivity aftereffects of dual-site transcranial alternating current stimulation. NeuroImage, 2021, 237, 118179.	4.2	22
17	Socializing Sensorimotor Contingencies. Frontiers in Human Neuroscience, 2021, 15, 624610.	2.0	3
18	Stress enhances emotional memory-related theta oscillations in the medial temporal lobe. Neurobiology of Stress, 2021, 15, 100383.	4.0	6

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19	A Spatially-Coded Visual Brain-Computer Interface for Flexible Visual Spatial Information Decoding. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2021, 29, 926-933.	4.9	9
20	Neuronal Oscillatory Signatures of Joint Attention and Intersubjectivity in Arrhythmic Coaction. Frontiers in Human Neuroscience, 2021, 15, 767208.	2.0	1
21	Parkinson's disease uncovers an underlying sensitivity of subthalamic nucleus neurons to beta-frequency cortical input in vivo. Neurobiology of Disease, 2020, 146, 105119.	4.4	14
22	Blunted neural and psychological stress processing predicts future grey matter atrophy in multiple sclerosis. Neurobiology of Stress, 2020, 13, 100244.	4.0	10
23	Subjective Evaluation of Performance in a Collaborative Task Is Better Predicted From Autonomic Response Than From True Achievements. Frontiers in Human Neuroscience, 2020, 14, 234.	2.0	3
24	Mathematical Relations Between Measures of Brain Connectivity Estimated From Electrophysiological Recordings for Gaussian Distributed Data. Frontiers in Neuroscience, 2020, 14, 577574.	2.8	14
25	Aerobic Exercise Induces Functional and Structural Reorganization of CNS Networks in Multiple Sclerosis: A Randomized Controlled Trial. Frontiers in Human Neuroscience, 2020, 14, 255.	2.0	10
26	Sex Disparities in the Self-Evaluation of Subthalamic Deep Brain Stimulation Effects on Mood and Personality in Parkinson's Disease Patients. Frontiers in Neurology, 2020, 11, 776.	2.4	8
27	Individual Targeting Increases Control Over Inter-Individual Variability in Simulated Transcranial Electric Fields. IEEE Access, 2020, 8, 182610-182624.	4.2	8
28	Stress Impairs Intentional Memory Control through Altered Theta Oscillations in Lateral Parietal Cortex. Journal of Neuroscience, 2020, 40, 7739-7748.	3.6	15
29	Phase-specific manipulation of rhythmic brain activity by transcranial alternating current stimulation. Brain Stimulation, 2020, 13, 1254-1262.	1.6	36
30	Post-training Load-Related Changes of Auditory Working Memory – An EEG Study. Frontiers in Human Neuroscience, 2020, 14, 72.	2.0	2
31	Distinct Functional Connectivity Signatures of Impaired Social Cognition in Multiple Sclerosis. Frontiers in Neurology, 2020, 11, 507.	2.4	21
32	Pallidal lead placement in dystonia: leads of non-responders are contained within an anatomical range defined by responders. Journal of Neurology, 2020, 267, 1663-1671.	3.6	16
33	Parkin deficiency perturbs striatal circuit dynamics. Neurobiology of Disease, 2020, 137, 104737.	4.4	7
34	Functional and structural connectivity substrates of cognitive performance in relapsing remitting multiple sclerosis with mild disability. NeuroImage: Clinical, 2020, 25, 102177.	2.7	24
35	Crossmodal Congruency Enhances Performance of Healthy Older Adults in Visual-Tactile Pattern Matching. Frontiers in Aging Neuroscience, 2020, 12, 74.	3.4	12
36	Sensory capability and information integration independently explain the cognitive status of healthy older adults. Scientific Reports, 2020, 10, 22437.	3.3	9

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37	A Single-Stimulus, Multitarget BCI Based on Retinotopic Mapping of Motion-Onset VEPs. IEEE Transactions on Biomedical Engineering, 2019, 66, 464-470.	4.2	16
38	Temporal evolution of beta bursts in the parkinsonian cortical and basal ganglia network. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 16095-16104.	7.1	98
39	An Oscillator Ensemble Model of Sequence Learning. Frontiers in Integrative Neuroscience, 2019, 13, 43.	2.1	0
40	Chemosensory Event-Related Potentials in Response to Nasal Propylene Glycol Stimulation. Frontiers in Human Neuroscience, 2019, 13, 99.	2.0	3
41	Alpha-band oscillations reflect external spatial coding for tactile stimuli in sighted, but not in congenitally blind humans. Scientific Reports, 2019, 9, 9215.	3.3	10
42	Context-specific modulation of intrinsic coupling modes shapes multisensory processing. Science Advances, 2019, 5, eaar7633.	10.3	11
43	Intrinsic 40Hz-phase asymmetries predict tACS effects during conscious auditory perception. PLoS ONE, 2019, 14, e0213996.	2.5	17
44	Robust calculation of slopes in detrended fluctuation analysis and its application to envelopes of human alpha rhythms. Scientific Reports, 2019, 9, 6339.	3.3	11
45	Modulation of large-scale cortical coupling by transcranial alternating current stimulation. Brain Stimulation, 2019, 12, 1187-1196.	1.6	40
46	Working memory training integrates visual cortex into beta-band networks in congenitally blind individuals. Neurolmage, 2019, 194, 259-271.	4.2	11
47	Long-range functional coupling predicts performance: Oscillatory EEG networks in multisensory processing. Neurolmage, 2019, 196, 114-125.	4.2	23
48	Frontal and parietal alpha oscillations reflect attentional modulation of cross-modal matching. Scientific Reports, 2019, 9, 5030.	3.3	64
49	Belief of agency changes dynamics in sensorimotor networks. Scientific Reports, 2019, 9, 1995.	3.3	11
50	Synchronised spiking activity underlies phase amplitude coupling in the subthalamic nucleus of Parkinson's disease patients. Neurobiology of Disease, 2019, 127, 101-113.	4.4	49
51	Simultaneous Decoding of Eccentricity and Direction Information for a Single-Flicker SSVEP BCI. Electronics (Switzerland), 2019, 8, 1554.	3.1	15
52	Probing neural networks for dynamic switches of communication pathways. PLoS Computational Biology, 2019, 15, e1007551.	3.2	7
53	Phase-Dependent Suppression of Beta Oscillations in Parkinson's Disease Patients. Journal of Neuroscience, 2019, 39, 1119-1134.	3.6	89
54	Modulation of specific components of sleep disturbances by simultaneous subthalamic and nigral stimulation in Parkinson's disease. Parkinsonism and Related Disorders, 2019, 62, 141-147.	2.2	12

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55	Synchronization of Sensory Gamma Oscillations Promotes Multisensory Communication. ENeuro, 2019, 6, ENEURO.0101-19.2019.	1.9	31
56	Working memory training in congenitally blind individuals results in an integration of occipital cortex in functional networks. Behavioural Brain Research, 2018, 348, 31-41.	2.2	13
57	Localizing bicoherence from EEG and MEG. NeuroImage, 2018, 174, 352-363.	4.2	27
58	Spatio-temporal dynamics of cortical drive to human subthalamic nucleus neurons in Parkinson's disease. Neurobiology of Disease, 2018, 112, 49-62.	4.4	58
59	White Matter Microstructure of the Human Mirror Neuron System is Related to Symptom Severity in Adults with Autism. Journal of Autism and Developmental Disorders, 2018, 48, 417-429.	2.7	3
60	The Callosal Relay Model of Interhemispheric Communication: New Evidence from Effective Connectivity Analysis. Brain Topography, 2018, 31, 218-226.	1.8	15
61	Synchrony surfacing: Epicortical recording of correlated action potentials. European Journal of Neuroscience, 2018, 48, 3583-3596.	2.6	16
62	Short-term interval aerobic exercise training does not improve memory functioning in relapsing-remitting multiple sclerosis—a randomized controlled trial. PeerJ, 2018, 6, e6037.	2.0	28
63	Mid-Latency Auditory Evoked Potentials Differentially Predict Sedation and Drug Level Under Opioid and Hypnotic Agents. Frontiers in Pharmacology, 2018, 9, 1427.	3.5	8
64	The role of functional and structural interhemispheric auditory connectivity for language lateralization - A combined EEG and DTI study. Scientific Reports, 2018, 8, 15428.	3.3	16
65	Modulation of neuronal oscillatory activity in the beta- and gamma-band is associated with current individual anxiety levels. NeuroImage, 2018, 178, 423-434.	4.2	25
66	Intrinsic Functional Connectivity Resembles Cortical Architecture at Various Levels of Isoflurane Anesthesia. Cerebral Cortex, 2018, 28, 2991-3003.	2.9	13
67	Surprise About Sensory Event Timing Drives Cortical Transients in the Beta Frequency Band. Journal of Neuroscience, 2018, 38, 7600-7610.	3.6	6
68	Towards unambiguous reporting of complications related to deep brain stimulation surgery: A retrospective single-center analysis and systematic review of the literature. PLoS ONE, 2018, 13, e0198529.	2.5	29
69	Catecholamines alter the intrinsic variability of cortical population activity and perception. PLoS Biology, 2018, 16, e2003453.	5.6	64
70	Maximizing Information Transfer in SSVEP-Based Brain-Computer Interfaces. IEEE Transactions on Biomedical Engineering, 2017, 64, 381-394.	4.2	23
71	Phase-Amplitude Coupling and Long-Range Phase Synchronization Reveal Frontotemporal Interactions during Visual Working Memory. Journal of Neuroscience, 2017, 37, 313-322.	3.6	3
72	Quantitative Sensory Testing in adults with Autism Spectrum Disorders. Journal of Autism and Developmental Disorders, 2017, 47, 1183-1192.	2.7	31

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73	Regional distribution of cholinergic, catecholaminergic, serotonergic and orexinergic neurons in the brain of two carnivore species: The feliform banded mongoose (<i>Mungos mungo</i>) and the caniform domestic ferret (<i>Mustela putorius furo</i>). <i>Journal of Chemical Neuroanatomy</i> , 2017, 82, 12-28.	2.1	17
74	Utilizing Retinotopic Mapping for a Multi-Target SSVEP BCI With a Single Flicker Frequency. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2017, 25, 1026-1036.	4.9	59
75	Phase-Amplitude Coupling and Long-Range Phase Synchronization Reveal Frontotemporal Interactions during Visual Working Memory. <i>Journal of Neuroscience</i> , 2017, 37, 313-322.	3.6	137
76	Multiple Transient Signals in Human Visual Cortex Associated with an Elementary Decision. <i>Journal of Neuroscience</i> , 2017, 37, 5744-5757.	3.6	24
77	Phase matters: cancelling pathological tremor by adaptive deep brain stimulation. <i>Brain</i> , 2017, 140, 5-8.	7.6	14
78	Cognitive control during audiovisual working memory engages frontotemporal theta-band interactions. <i>Scientific Reports</i> , 2017, 7, 12585.	3.3	24
79	Dynamic reconfiguration of cortical functional connectivity across brain states. <i>Scientific Reports</i> , 2017, 7, 8797.	3.3	30
80	Acupuncture analgesia involves modulation of pain-induced gamma oscillations and cortical network connectivity. <i>Scientific Reports</i> , 2017, 7, 16307.	3.3	23
81	Gamma-band activity reflects attentional guidance by facial expression. <i>NeuroImage</i> , 2017, 146, 1142-1148.	4.2	11
82	Adverse events in deep brain stimulation: A retrospective long-term analysis of neurological, psychiatric and other occurrences. <i>PLoS ONE</i> , 2017, 12, e0178984.	2.5	111
83	Application of a single-flicker online SSVEP BCI for spatial navigation. <i>PLoS ONE</i> , 2017, 12, e0178385.	2.5	34
84	STN-DBS Reduces Saccadic Hypometria but Not Visuospatial Bias in Parkinson's Disease Patients. <i>Frontiers in Behavioral Neuroscience</i> , 2016, 10, 85.	2.0	12
85	Building the Ferretome. <i>Frontiers in Neuroinformatics</i> , 2016, 10, 16.	2.5	13
86	The Sense of Agency Is More Sensitive to Manipulations of Outcome than Movement-Related Feedback Irrespective of Sensory Modality. <i>PLoS ONE</i> , 2016, 11, e0161156.	2.5	22
87	Extensive training leads to temporal and spatial shifts of cortical activity underlying visual category selectivity. <i>NeuroImage</i> , 2016, 134, 22-34.	4.2	9
88	Spindle activity phase-locked to sleep slow oscillations. <i>NeuroImage</i> , 2016, 134, 607-616.	4.2	101
89	Working memory beta-band networks: Neuroplasticity in the congenitally blind. <i>International Journal of Psychophysiology</i> , 2016, 108, 18.	1.0	0
90	Spectral fingerprints of large-scale cortical dynamics during ambiguous motion perception. <i>Human Brain Mapping</i> , 2016, 37, 4099-4111.	3.6	25

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91	Variability of cortical oscillation patterns: A possible endophenotype in autism spectrum disorders?. Neuroscience and Biobehavioral Reviews, 2016, 71, 590-600.	6.1	45
92	Oscillatory brain activity during multisensory attention reflects activation, disinhibition, and cognitive control. Scientific Reports, 2016, 6, 32775.	3.3	68
93	Bridging the gap: Synaesthesia and multisensory processes. Neuropsychologia, 2016, 88, 1-4.	1.6	4
94	Spectral Signatures of Saccade Target Selection. Brain Topography, 2016, 29, 130-148.	1.8	5
95	EEG oscillations: From correlation to causality. International Journal of Psychophysiology, 2016, 103, 12-21.	1.0	345
96	Different coupling modes mediate cortical cross-frequency interactions. NeuroImage, 2016, 140, 76-82.	4.2	59
97	Mirror me: Imitative responses in adults with autism. Autism, 2016, 20, 134-144.	4.1	14
98	Neuronal Oscillations, Coherence, and Consciousness. , 2016, , 49-60.		15
99	A matter of attention: Crossmodal congruence enhances and impairs performance in a novel trimodal matching paradigm. Neuropsychologia, 2016, 88, 113-122.	1.6	13
100	Implications of Action-Oriented Paradigm Shifts in Cognitive Science. , 2016, , 333-356.		5
101	Top-down and bottom-up modulation of pain-induced oscillations. Frontiers in Human Neuroscience, 2015, 9, 375.	2.0	62
102	Modulating pathological oscillations by rhythmic non-invasive brain stimulationâ€”a therapeutic concept?. Frontiers in Systems Neuroscience, 2015, 9, 33.	2.5	18
103	Crossmodal Integration Improves Sensory Detection Thresholds in the Ferret. PLoS ONE, 2015, 10, e0124952.	2.5	16
104	Generators and Connectivity of the Early Auditory Evoked Gamma Band Response. Brain Topography, 2015, 28, 865-878.	1.8	22
105	Increased Resting-State Gamma-Band Connectivity in First-Episode Schizophrenia. Schizophrenia Bulletin, 2015, 41, 930-939.	4.3	108
106	Perceptual Integration Deficits in Autism Spectrum Disorders Are Associated with Reduced Interhemispheric Gamma-Band Coherence. Journal of Neuroscience, 2015, 35, 16352-16361.	3.6	65
107	Resting-state theta-band connectivity and verbal memory in schizophrenia and in the high-risk state. Schizophrenia Research, 2015, 161, 299-307.	2.0	63
108	Subthalamic deep brain stimulation improves auditory sensory gating deficit in Parkinsonâ€™s disease. Clinical Neurophysiology, 2015, 126, 565-574.	1.5	24

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109	Wideband phase locking to modulated whisker vibration point to a temporal code for texture in the rat's barrel cortex. <i>Experimental Brain Research</i> , 2015, 233, 2869-2882.	1.5	4
110	Oscillatory signatures of crossmodal congruence effects: An EEG investigation employing a visuotactile pattern matching paradigm. <i>NeuroImage</i> , 2015, 116, 177-186.	4.2	33
111	Synchronized cortico-subthalamic beta oscillations in Parkin-associated Parkinson's disease. <i>Clinical Neurophysiology</i> , 2015, 126, 2241-2243.	1.5	9
112	Tactile remapping: from coordinate transformation to integration in sensorimotor processing. <i>Trends in Cognitive Sciences</i> , 2015, 19, 251-258.	7.8	102
113	Pallidal deep brain stimulation in Huntington's disease. <i>Parkinsonism and Related Disorders</i> , 2015, 21, 1105-1108.	2.2	11
114	Auditory and visual interactions between the superior and inferior colliculi in the ferret. <i>European Journal of Neuroscience</i> , 2015, 41, 1311-1320.	2.6	15
115	Intrinsic coupling modes reveal the functional architecture of cortico-tectal networks. <i>Science Advances</i> , 2015, 1, e1500229.	10.3	15
116	Oscillatory activity reflects differential use of spatial reference frames by sighted and blind individuals in tactile attention. <i>NeuroImage</i> , 2015, 117, 417-428.	4.2	30
117	Predictive timing functions of cortical beta oscillations are impaired in Parkinson's disease and influenced by L-DOPA and deep brain stimulation of the subthalamic nucleus. <i>NeuroImage: Clinical</i> , 2015, 9, 436-449.	2.7	36
118	Stronger Neural Modulation by Visual Motion Intensity in Autism Spectrum Disorders. <i>PLoS ONE</i> , 2015, 10, e0132531.	2.5	24
119	Attention Modulates Visual-Tactile Interaction in Spatial Pattern Matching. <i>PLoS ONE</i> , 2014, 9, e106896.	2.5	24
120	Selective Modulation of Interhemispheric Functional Connectivity by HD-tACS Shapes Perception. <i>PLoS Biology</i> , 2014, 12, e1002031.	5.6	247
121	Beta-band activity in auditory pathways reflects speech localization and recognition in bilateral cochlear implant users. <i>Human Brain Mapping</i> , 2014, 35, 3107-3121.	3.6	16
122	Effect of subthalamic nucleus deep brain stimulation on driving in Parkinson disease. <i>Neurology</i> , 2014, 82, 32-40.	1.1	19
123	Asymmetric pallidal neuronal activity in patients with cervical dystonia. <i>Frontiers in Systems Neuroscience</i> , 2014, 8, 15.	2.5	59
124	Cortico-striatal Coordination through Coherent Phase-Amplitude Coupling. <i>Journal of Neuroscience</i> , 2014, 34, 5938-5948.	3.6	82
125	Antiphase 40-Hz Oscillatory Current Stimulation Affects Bistable Motion Perception. <i>Brain Topography</i> , 2014, 27, 158-171.	1.8	167
126	Entrainment of Brain Oscillations by Transcranial Alternating Current Stimulation. <i>Current Biology</i> , 2014, 24, 333-339.	3.9	683

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127	Crossmodal shaping of pain: a multisensory approach to nociception. Trends in Cognitive Sciences, 2014, 18, 319-327.	7.8	49
128	Activity Parameters of Subthalamic Nucleus Neurons Selectively Predict Motor Symptom Severity in Parkinson's Disease. Journal of Neuroscience, 2014, 34, 6273-6285.	3.6	157
129	Selective attention modulates high-frequency activity in the face-processing network. Cortex, 2014, 60, 34-51.	2.4	34
130	Right Temporoparietal Gray Matter Predicts Accuracy of Social Perception in the Autism Spectrum. Journal of Autism and Developmental Disorders, 2014, 44, 1433-1446.	2.7	11
131	High-Frequency Stimulation of the Subthalamic Nucleus Counteracts Cortical Expression of Major Histocompatibility Complex Genes in a Rat Model of Parkinson's Disease. PLoS ONE, 2014, 9, e91663.	2.5	7
132	Spectral signatures of viewing a needle approaching one's body when anticipating pain. European Journal of Neuroscience, 2013, 38, 3089-3098.	2.6	21
133	Response properties of local field potentials and multiunit activity in the mouse visual cortex. Neuroscience, 2013, 254, 141-151.	2.3	22
134	Extending sensorimotor contingency theory: prediction, planning, and action generation. Adaptive Behavior, 2013, 21, 423-436.	1.9	23
135	Intrinsic Coupling Modes: Multiscale Interactions in Ongoing Brain Activity. Neuron, 2013, 80, 867-886.	8.1	418
136	Noise alters beta-band activity in superior temporal cortex during audiovisual speech processing. Neurolmage, 2013, 70, 101-112.	4.2	38
137	The influence of music and music therapy on pain-induced neuronal oscillations measured by magnetencephalography. Pain, 2013, 154, 539-547.	4.2	56
138	Where's the action? The pragmatic turn in cognitive science. Trends in Cognitive Sciences, 2013, 17, 202-209.	7.8	326
139	Crossmodal bias of visual input on pain perception and pain-induced beta activity. Neurolmage, 2013, 66, 469-478.	4.2	26
140	Microstructural and network abnormalities in headache. Current Opinion in Neurology, 2013, 26, 353-359.	3.6	32
141	How fast can f-VEP BCIs ever be?. , 2013, , .		0
142	Context-dependent dynamic weighting of information from multiple sensory modalities. , 2013, , .		0
143	Altered Intrinsic Neuronal Interactions in the Visual Cortex of the Blind. Journal of Neuroscience, 2013, 33, 17072-17080.	3.6	41
144	Laminar profile of visual response properties in ferret superior colliculus. Journal of Neurophysiology, 2013, 110, 1333-1345.	1.8	16

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145	Neural correlates of auditory temporal predictions during sensorimotor synchronization. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 380.	2.0	65
146	Decomposition of abnormal free locomotor behavior in a rat model of Parkinson's disease. <i>Frontiers in Systems Neuroscience</i> , 2013, 7, 95.	2.5	15
147	Deep Brain Stimulation of the Ventrolateral Thalamic Base and Posterior Subthalamic Area in Dystonic Head Tremor. <i>Acta Neurochirurgica Supplementum</i> , 2013, 117, 67-72.	1.0	10
148	STN Stimulation in General Anaesthesia: Evidence Beyond "Evidence-Based Medicine". , 2013, 117, 19-25.		22
149	Rules Got Rhythm. <i>Neuron</i> , 2012, 76, 673-676.	8.1	5
150	Functionally specific oscillatory activity correlates between visual and auditory cortex in the blind. <i>Brain</i> , 2012, 135, 922-934.	7.6	42
151	Spectral fingerprints of large-scale neuronal interactions. <i>Nature Reviews Neuroscience</i> , 2012, 13, 121-134.	10.2	1,122
152	Oscillatory MEG gamma band activity dissociates perceptual and conceptual aspects of visual object processing: A combined repetition/conceptual priming study. <i>NeuroImage</i> , 2012, 59, 861-871.	4.2	35
153	The saccadic spike artifact in MEG. <i>NeuroImage</i> , 2012, 59, 1657-1667.	4.2	112
154	On the Blink: The Importance of Target-Distractor Similarity in Eliciting an Attentional Blink with Faces. <i>PLoS ONE</i> , 2012, 7, e41257.	2.5	18
155	Auditory Evoked Bursts in Mouse Visual Cortex during Isoflurane Anesthesia. <i>PLoS ONE</i> , 2012, 7, e49855.	2.5	48
156	Capture of visual attention interferes with multisensory speech processing. <i>Frontiers in Integrative Neuroscience</i> , 2012, 6, 67.	2.1	9
157	Large-scale cortical correlation structure of spontaneous oscillatory activity. <i>Nature Neuroscience</i> , 2012, 15, 884-890.	14.8	989
158	Restoration of Synaptic Plasticity and Learning in Young and Aged NCAM-Deficient Mice by Enhancing Neurotransmission Mediated by GluN2A-Containing NMDA Receptors. <i>Journal of Neuroscience</i> , 2012, 32, 2263-2275.	3.6	42
159	Viewing a needle pricking a hand that you perceive as yours enhances unpleasantness of pain. <i>Pain</i> , 2012, 153, 1074-1081.	4.2	55
160	Time Scales of Sensorimotor Contingencies. <i>Lecture Notes in Computer Science</i> , 2012, , 240-249.	1.3	14
161	Using Sensorimotor Contingencies for Prediction and Action Planning. <i>Lecture Notes in Computer Science</i> , 2012, , 106-116.	1.3	10
162	Using Sensorimotor Contingencies for Terrain Discrimination and Adaptive Walking Behavior in the Quadruped Robot Puppy. <i>Lecture Notes in Computer Science</i> , 2012, , 54-64.	1.3	12

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163	Reward-driven learning of sensorimotor laws and visual features. , 2011, , .		0
164	Oscillatory Synchronization in Large-Scale Cortical Networks Predicts Perception. Neuron, 2011, 69, 387-396.	8.1	536
165	The Feeling of Agency: Empirical Indicators for a Pre-Reflective Level of Action Awareness. Frontiers in Psychology, 2011, 2, 149.	2.1	18
166	Cortical Network Dynamics of Perceptual Decision-Making in the Human Brain. Frontiers in Human Neuroscience, 2011, 5, 21.	2.0	136
167	Effect of sensory stimulation in rat barrel cortex, dorsolateral striatum and on corticostriatal functional connectivity. European Journal of Neuroscience, 2011, 33, 461-470.	2.6	10
168	Cortical Hypersynchrony Predicts Breakdown of Sensory Processing during Loss of Consciousness. Current Biology, 2011, 21, 1988-1993.	3.9	164
169	Impairments in multisensory processing are not universal to the autism spectrum: no evidence for crossmodal priming deficits in Asperger syndrome. Autism Research, 2011, 4, 383-388.	3.8	11
170	A discrete computational model of sensorimotor contingencies for object perception and control of behavior. , 2011, , .		24
171	Gamma-Band Activity as a Signature for Cross-Modal Priming of Auditory Object Recognition by Active Haptic Exploration. Journal of Neuroscience, 2011, 31, 2502-2510.	3.6	32
172	Increased functional connectivity indicates the severity of cognitive impairment in multiple sclerosis. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 19066-19071.	7.1	241
173	Emotional Facial Expressions Modulate Pain-Induced Beta and Gamma Oscillations in Sensorimotor Cortex. Journal of Neuroscience, 2011, 31, 14542-14550.	3.6	49
174	Fast Propagating Waves within the Rodent Auditory Cortex. Cerebral Cortex, 2011, 21, 166-177.	2.9	43
175	Pain processing in multisensory environments. E-Neuroforum, 2010, 16, .	0.1	6
176	Brief Report: Altered Horizontal Binding of Single Dots to Coherent Motion in Autism. Journal of Autism and Developmental Disorders, 2010, 40, 1549-1551.	2.7	11
177	Beta-band oscillations â€” signalling the status quo?. Current Opinion in Neurobiology, 2010, 20, 156-165.	4.2	2,121
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