

Olivier Bertrand

List of Publications by Year in descending order

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Version: 2024-02-01

161
papers

19,560
citations

20759

60
h-index

11581

135
g-index

172
all docs

172
docs citations

172
times ranked

12908
citing authors

#	ARTICLE	IF	CITATIONS
1	Spherical splines for scalp potential and current density mapping. <i>Electroencephalography and Clinical Neurophysiology</i> , 1989, 72, 184-187.	0.3	2,314
2	Oscillatory gamma activity in humans and its role in object representation. <i>Trends in Cognitive Sciences</i> , 1999, 3, 151-162.	4.0	1,891
3	Stimulus Specificity of Phase-Locked and Non-Phase-Locked 40ÂHz Visual Responses in Human. <i>Journal of Neuroscience</i> , 1996, 16, 4240-4249.	1.7	1,463
4	Induced β -Band Activity during the Delay of a Visual Short-Term Memory Task in Humans. <i>Journal of Neuroscience</i> , 1998, 18, 4244-4254.	1.7	929
5	Oscillatory β -Band (30â€“70 Hz) Activity Induced by a Visual Search Task in Humans. <i>Journal of Neuroscience</i> , 1997, 17, 722-734.	1.7	896
6	Mapping of scalp potentials by surface spline interpolation. <i>Electroencephalography and Clinical Neurophysiology</i> , 1987, 66, 75-81.	0.3	585
7	OpenViBE: An Open-Source Software Platform to Design, Test, and Use Brainâ€“Computer Interfaces in Real and Virtual Environments. <i>Presence: Teleoperators and Virtual Environments</i> , 2010, 19, 35-53.	0.3	572
8	Specific tonotopic organizations of different areas of the human auditory cortex revealed by simultaneous magnetic and electric recordings. <i>Electroencephalography and Clinical Neurophysiology</i> , 1995, 94, 26-40.	0.3	410
9	Scalp Current Density Mapping: Value and Estimation from Potential Data. <i>IEEE Transactions on Biomedical Engineering</i> , 1987, BME-34, 283-288.	2.5	352
10	A theoretical justification of the average reference in topographic evoked potential studies. <i>Electroencephalography and Clinical Neurophysiology - Evoked Potentials</i> , 1985, 62, 462-464.	2.0	351
11	Oscillatory Synchrony between Human Extrastriate Areas during Visual Short-Term Memory Maintenance. <i>Journal of Neuroscience</i> , 2001, 21, RC177-RC177.	1.7	324
12	Separate Representation of Stimulus Frequency, Intensity, and Duration in Auditory Sensory Memory: An Event-Related Potential and Dipole-Model Analysis. <i>Journal of Cognitive Neuroscience</i> , 1995, 7, 133-143.	1.1	317
13	Attention Modulates Gamma-band Oscillations Differently in the Human Lateral Occipital Cortex and Fusiform Gyrus. <i>Cerebral Cortex</i> , 2005, 15, 654-662.	1.6	301
14	Attentional modulation of human auditory cortex. <i>Nature Neuroscience</i> , 2004, 7, 658-663.	7.1	291
15	Relationship between task-related gamma oscillations and BOLD signal: New insights from combined fMRI and intracranial EEG. <i>Human Brain Mapping</i> , 2007, 28, 1368-1375.	1.9	286
16	Sustained and transient oscillatory responses in the gamma and beta bands in a visual short-term memory task in humans. <i>Visual Neuroscience</i> , 1999, 16, 449-459.	0.5	270
17	Oscillatory gamma activity in humans: a possible role for object representation. <i>International Journal of Psychophysiology</i> , 2000, 38, 211-223.	0.5	262
18	Early Amygdala Reaction to Fear Spreading in Occipital, Temporal, and Frontal Cortex. <i>Neuron</i> , 2004, 42, 665-676.	3.8	257

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19	Task-related gamma-band dynamics from an intracerebral perspective: Review and implications for surface EEG and MEG. <i>Human Brain Mapping</i> , 2009, 30, 1758-1771.	1.9	222
20	Impaired pitch perception and memory in congenital amusia: the deficit starts in the auditory cortex. <i>Brain</i> , 2013, 136, 1639-1661.	3.7	213
21	Distinction between Perceptual and Attentional Processing in Working Memory Tasks: A Study of Phase-locked and Induced Oscillatory Brain Dynamics. <i>Journal of Cognitive Neuroscience</i> , 2007, 19, 158-172.	1.1	207
22	An attention modulated response to disgust in human ventral anterior insula. <i>Annals of Neurology</i> , 2003, 53, 446-453.	2.8	205
23	Effects of Selective Attention on the Electrophysiological Representation of Concurrent Sounds in the Human Auditory Cortex. <i>Journal of Neuroscience</i> , 2007, 27, 9252-9261.	1.7	203
24	Transient Suppression of Broadband Gamma Power in the Default-Mode Network Is Correlated with Task Complexity and Subject Performance. <i>Journal of Neuroscience</i> , 2011, 31, 14521-14530.	1.7	192
25	Gamma-range Activity Evoked by Coherent Visual Stimuli in Humans. <i>European Journal of Neuroscience</i> , 1995, 7, 1285-1291.	1.2	176
26	Multiple Supratemporal Sources of Magnetic and Electric Auditory Evoked Middle Latency Components in Humans. <i>Cerebral Cortex</i> , 2001, 11, 411-423.	1.6	176
27	Using Auditory Steady State Responses to Outline the Functional Connectivity in the Tinnitus Brain. <i>PLoS ONE</i> , 2008, 3, e3720.	1.1	155
28	Time-frequency digital filtering based on an invertible wavelet transform: an application to evoked potentials. <i>IEEE Transactions on Biomedical Engineering</i> , 1994, 41, 77-88.	2.5	153
29	Olfactory learning modifies the expression of odour-induced oscillatory responses in the gamma (60-90 Hz) and beta (15-40 Hz) bands in the rat olfactory bulb. <i>European Journal of Neuroscience</i> , 2003, 17, 350-358.	1.2	142
30	Listening in Silence Activates Auditory Areas: A Functional Magnetic Resonance Imaging Study. <i>Journal of Neuroscience</i> , 2006, 26, 273-278.	1.7	142
31	Visual Activation and Audiovisual Interactions in the Auditory Cortex during Speech Perception: Intracranial Recordings in Humans. <i>Journal of Neuroscience</i> , 2008, 28, 14301-14310.	1.7	136
32	ELAN: A Software Package for Analysis and Visualization of MEG, EEG, and LFP Signals. <i>Computational Intelligence and Neuroscience</i> , 2011, 2011, 1-11.	1.1	134
33	Simultaneous MEG and intracranial EEG recordings during attentive reading. <i>NeuroImage</i> , 2009, 45, 1289-1304.	2.1	122
34	Scalp current density fields: concept and properties. <i>Electroencephalography and Clinical Neurophysiology</i> , 1988, 69, 385-389.	0.3	120
35	Localization of human supratemporal auditory areas from intracerebral auditory evoked potentials using distributed source models. <i>NeuroImage</i> , 2005, 28, 140-153.	2.1	115
36	Cortical dynamics of word recognition. <i>Human Brain Mapping</i> , 2008, 29, 1215-1230.	1.9	115

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37	Tonotopic organization of the human auditory cortex: N100 topography and multiple dipole model analysis. <i>Electroencephalography and Clinical Neurophysiology - Evoked Potentials</i> , 1995, 96, 143-156.	2.0	114
38	Analysis of speech sounds is left-hemisphere predominant at 100–150 ms after sound onset. <i>NeuroReport</i> , 1999, 10, 1113-1117.	0.6	112
39	Clinical validation of the Deltatrac monitoring system in mechanically ventilated patients. <i>Intensive Care Medicine</i> , 1995, 21, 149-153.	3.9	111
40	Combined EEG and MEG recordings of visual 40 Hz responses to illusory triangles in human. <i>NeuroReport</i> , 1997, 8, 1103-1107.	0.6	111
41	Saccade Related Gamma-Band Activity in Intracerebral EEG: Dissociating Neural from Ocular Muscle Activity. <i>Brain Topography</i> , 2009, 22, 18-23.	0.8	107
42	Cortical mapping of gamma oscillations in areas V1 and V4 of the macaque monkey. <i>Visual Neuroscience</i> , 2001, 18, 527-540.	0.5	105
43	Neural correlates of consolidation in working memory. <i>Human Brain Mapping</i> , 2007, 28, 183-193.	1.9	104
44	Selective Modulation of Auditory Cortical Alpha Activity in an Audiovisual Spatial Attention Task. <i>Journal of Neuroscience</i> , 2014, 34, 6634-6639.	1.7	102
45	Exploring the electrophysiological correlates of the default-mode network with intracerebral EEG. <i>Frontiers in Systems Neuroscience</i> , 2010, 4, 27.	1.2	101
46	A systematic evaluation of the spherical model accuracy in EEG dipole localization. <i>Electroencephalography and Clinical Neurophysiology</i> , 1997, 102, 452-459.	0.3	98
47	Listening to a walking human activates the temporal biological motion area. <i>NeuroImage</i> , 2005, 28, 132-139.	2.1	97
48	Oxygen Cost of Breathing in Postoperative Patients. <i>Chest</i> , 1988, 93, 506-509.	0.4	89
49	A robust sensor-selection method for P300 brain–computer interfaces. <i>Journal of Neural Engineering</i> , 2011, 8, 016001.	1.8	87
50	How Silent Is Silent Reading? Intracerebral Evidence for Top-Down Activation of Temporal Voice Areas during Reading. <i>Journal of Neuroscience</i> , 2012, 32, 17554-17562.	1.7	87
51	Objective and Subjective Evaluation of Online Error Correction during P300-Based Spelling. <i>Advances in Human-Computer Interaction</i> , 2012, 2012, 1-13.	1.8	81
52	Silence Is Golden: Transient Neural Deactivation in the Prefrontal Cortex during Attentive Reading. <i>Cerebral Cortex</i> , 2008, 18, 443-450.	1.6	80
53	The value of magnetoencephalography for seizure-onset zone localization in magnetic resonance imaging-negative partial epilepsy. <i>Brain</i> , 2013, 136, 3176-3186.	3.7	79
54	Brain Reactivity Differentiates Subjects with High and Low Dream Recall Frequencies during Both Sleep and Wakefulness. <i>Cerebral Cortex</i> , 2014, 24, 1206-1215.	1.6	75

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55	Electrophysiological (EEG, sEEG, MEG) evidence for multiple audiovisual interactions in the human auditory cortex. <i>Hearing Research</i> , 2009, 258, 143-151.	0.9	74
56	Human lateral geniculate nucleus and visual cortex respond to screen flicker. <i>Annals of Neurology</i> , 2003, 53, 73-80.	2.8	72
57	A Blueprint for Real-Time Functional Mapping via Human Intracranial Recordings. <i>PLoS ONE</i> , 2007, 2, e1094.	1.1	72
58	Long-Distance Amplitude Correlations in the High Gamma Band Reveal Segregation and Integration within the Reading Network. <i>Journal of Neuroscience</i> , 2012, 32, 6421-6434.	1.7	68
59	Reading the mind's eye: Online detection of visuo-spatial working memory and visual imagery in the inferior temporal lobe. <i>NeuroImage</i> , 2012, 59, 872-879.	2.1	68
60	Functional connectivity of insular efferences. <i>Human Brain Mapping</i> , 2014, 35, 5279-5294.	1.9	66
61	Additional Inspiratory Work in Intubated Patients Breathing with Continuous Positive Airway Pressure Systems. <i>Anesthesiology</i> , 1985, 63, 536-539.	1.3	64
62	Inferring hand movement kinematics from MEG, EEG and intracranial EEG: From brain-machine interfaces to motor rehabilitation. <i>Irbm</i> , 2011, 32, 8-18.	3.7	64
63	An evaluation of dipole reconstruction accuracy with spherical and realistic head models in MEG. <i>Clinical Neurophysiology</i> , 1999, 110, 2176-2188.	0.7	62
64	Brain-stem monitoring. II. Preterminal BAEP changes observed until brain death in deeply comatose patients. <i>Electroencephalography and Clinical Neurophysiology - Evoked Potentials</i> , 1987, 68, 446-457.	2.0	61
65	Efficient "Pop-Out" Visual Search Elicits Sustained Broadband Gamma Activity in the Dorsal Attention Network. <i>Journal of Neuroscience</i> , 2012, 32, 3414-3421.	1.7	61
66	Experiencing and detecting happiness in humans: The role of the supplementary motor area. <i>Annals of Neurology</i> , 2006, 59, 196-199.	2.8	60
67	Epilepsy, cognition, and neuropsychiatry (Epilepsy, Brain, and Mind, part 2). <i>Epilepsy and Behavior</i> , 2013, 28, 283-302.	0.9	55
68	Oscillatory Alpha Modulations in Right Auditory Regions Reflect the Validity of Acoustic Cues in an Auditory Spatial Attention Task. <i>Cerebral Cortex</i> , 2014, 24, 2579-2590.	1.6	54
69	Energy Expenditure during Severe Acute Pancreatitis. <i>Journal of Parenteral and Enteral Nutrition</i> , 1989, 13, 26-29.	1.3	53
70	Functional Significance of Olfactory-induced Oscillations in the Human Amygdala. <i>Cerebral Cortex</i> , 2006, 16, 1-8.	1.6	48
71	Intrinsular functional connectivity in human. <i>Human Brain Mapping</i> , 2014, 35, 2779-2788.	1.9	46
72	Improved forward EEG calculations using local mesh refinement of realistic head geometries. <i>Electroencephalography and Clinical Neurophysiology</i> , 1995, 95, 381-392.	0.3	44

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73	A ring-shaped distribution of dipoles as a source model of induced gamma-band activity. <i>Clinical Neurophysiology</i> , 1999, 110, 660-665.	0.7	44
74	Implicit learning of predictable sound sequences modulates human brain responses at different levels of the auditory hierarchy. <i>Frontiers in Human Neuroscience</i> , 2015, 9, 505.	1.0	44
75	Towards source volume estimation of interictal spikes in focal epilepsy using magnetoencephalography. <i>NeuroImage</i> , 2012, 59, 3955-3966.	2.1	43
76	BAEP latency changes during nocturnal sleep are not correlated with sleep stages but with body temperature variations. <i>Electroencephalography and Clinical Neurophysiology</i> , 1988, 70, 9-15.	0.3	42
77	Oscillatory activity of the human cerebellum: The intracranial electrocerebellogram revisited. <i>Neuroscience and Biobehavioral Reviews</i> , 2013, 37, 585-593.	2.9	42
78	Impaired fronto-temporal processing of emotion in schizophrenia. <i>Neurophysiologie Clinique</i> , 2007, 37, 77-87.	1.0	41
79	Brain Dynamics of Distractibility: Interaction Between Top-Down and Bottom-Up Mechanisms of Auditory Attention. <i>Brain Topography</i> , 2015, 28, 423-436.	0.8	41
80	Continuous measurement of pulmonary gas exchange during general anaesthesia in man. <i>Acta Anaesthesiologica Scandinavica</i> , 1988, 32, 691-697.	0.7	40
81	The finite element method for a realistic head model of electrical brain activities: preliminary results. <i>Clinical Physics and Physiological Measurement: an Official Journal of the Hospital Physicists' Association, Deutsche Gesellschaft Fur Medizinische Physik and the European Federation of Organisations for Medical Physics</i> , 1991, 12, 89-94.	0.5	40
82	Brain-stem monitoring. I. A system for high-rate sequential BAEP recording and feature extraction. <i>Electroencephalography and Clinical Neurophysiology - Evoked Potentials</i> , 1987, 68, 433-445.	2.0	38
83	Improved dipole localization using local mesh refinement of realistic head geometries: an EEG simulation study. <i>Electroencephalography and Clinical Neurophysiology</i> , 1996, 99, 79-89.	0.3	37
84	Functional selectivity in the human occipitotemporal cortex during natural vision: Evidence from combined intracranial EEG and eye-tracking. <i>NeuroImage</i> , 2014, 95, 276-286.	2.1	37
85	Respiratory Changes Induced by Parenteral Nutrition in Postoperative Patients Undergoing Inspiratory Pressure Support Ventilation. <i>Anesthesiology</i> , 1987, 66, 393-396.	1.3	36
86	Neural Dynamics of the Intention to Speak. <i>Cerebral Cortex</i> , 2010, 20, 1891-1897.	1.6	36
87	Brain responses to success and failure: Direct recordings from human cerebral cortex. <i>Human Brain Mapping</i> , 2010, 31, 1217-1232.	1.9	35
88	Alpha reactivity to first names differs in subjects with high and low dream recall frequency. <i>Frontiers in Psychology</i> , 2013, 4, 419.	1.1	34
89	The neural bases of attentive reading. <i>Human Brain Mapping</i> , 2008, 29, 1193-1206.	1.9	33
90	Spanning the rich spectrum of the human brain: slow waves to gamma and beyond. <i>Brain Structure and Function</i> , 2011, 216, 77-84.	1.2	32

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91	The Amusic Brain: Lost in Music, but Not in Space. PLoS ONE, 2010, 5, e10173.	1.1	32
92	The combined monitoring of brain stem auditory evoked potentials and intracranial pressure in coma. A study of 57 patients.. Journal of Neurology, Neurosurgery and Psychiatry, 1992, 55, 792-798.	0.9	30
93	Pulmonary gas exchange during hemodialysis. Kidney International, 1986, 30, 920-923.	2.6	28
94	The perception of coherent and non-coherent auditory objects: a signature in gamma frequency band. Hearing Research, 2000, 145, 161-168.	0.9	28
95	Two Sides of the Same Coin: Distinct Sub-Bands in the β Rhythm Reflect Facilitation and Suppression Mechanisms during Auditory Anticipatory Attention. ENeuro, 2018, 5, ENEURO.0141-18.2018.	0.9	28
96	Two auditory components in the 130-230 ms range disclosed by their stimulus frequency dependence. NeuroReport, 1994, 5, 1189-1192.	0.6	26
97	Dynamics of a Temporo-Fronto-Parietal Network during Sustained Spatial or Spectral Auditory Processing. Journal of Cognitive Neuroscience, 2005, 17, 1691-1703.	1.1	26
98	Evidence of a Tonotopic Organization of the Auditory Cortex in Cochlear Implant Users. Journal of Neuroscience, 2007, 27, 7838-7846.	1.7	26
99	Intracerebral gamma modulations reveal interaction between emotional processing and action outcome evaluation in the human orbitofrontal cortex. International Journal of Psychophysiology, 2011, 79, 64-72.	0.5	26
100	BCI Could Make Old Two-Player Games Even More Fun: A Proof of Concept with "Connect Four". Advances in Human-Computer Interaction, 2012, 2012, 1-8.	1.8	26
101	Neural repetition suppression in ventral occipito-temporal cortex occurs during conscious and unconscious processing of frequent stimuli. NeuroImage, 2014, 95, 129-135.	2.1	26
102	Improving BCI performance through co-adaptation: Applications to the P300-speller. Annals of Physical and Rehabilitation Medicine, 2015, 58, 23-28.	1.1	25
103	Local landmark-based mapping of human auditory cortex. NeuroImage, 2004, 22, 1657-1670.	2.1	24
104	Cross-frequency coupling in parieto-frontal oscillatory networks during motor imagery revealed by magnetoencephalography. Frontiers in Neuroscience, 2009, 3, 3-4.	1.4	24
105	Neural substrate of concurrent sound perception: direct electrophysiological recordings from human auditory cortex. Frontiers in Human Neuroscience, 2008, 1, 5.	1.0	23
106	Transient drug-induced abolition of BAEPs in coma. Neurology, 1988, 38, 1487-1487.	1.5	23
107	Neurophysiological mechanisms involved in auditory perceptual organization. Frontiers in Neuroscience, 2009, 3, 182-191.	1.4	22
108	Dejerine's reading area revisited with intracranial EEG. Neurology, 2013, 80, 602-603.	1.5	22

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109	Dynamics of MLAEP changes in midazolam-induced sedation. <i>Electroencephalography and Clinical Neurophysiology - Evoked Potentials</i> , 1997, 104, 437-446.	2.0	20
110	BrainTV: a novel approach for online mapping of human brain functions. <i>Biological Research</i> , 2007, 40, .	1.5	20
111	Age-related modulations of alpha and gamma brain activities underlying anticipation and distraction. <i>PLoS ONE</i> , 2020, 15, e0229334.	1.1	20
112	Mass spectrometer system for long-term continuous measurements of $\dot{V}O_2$ and $\dot{V}CO_2$ during artificial ventilation. <i>Medical and Biological Engineering and Computing</i> , 1986, 24, 174-181.	1.6	18
113	Precautions in Topographic Mapping and in Evoked Potential Map Reading. <i>Journal of Clinical Neurophysiology</i> , 1990, 7, 498-506.	0.9	18
114	Large-Scale Heterogeneous Representation of Sound Attributes in Rat Primary Auditory Cortex: From Unit Activity to Population Dynamics. <i>Journal of Neuroscience</i> , 2011, 31, 14639-14653.	1.7	18
115	Shape interpolation using Fourier descriptors with application to animation graphics. <i>Signal Processing</i> , 1982, 4, 53-58.	2.1	17
116	What characterizes changing state speech in affecting short-term memory? An EEG study on the irrelevant sound effect. <i>Psychophysiology</i> , 2011, 48, 1669-1680.	1.2	17
117	Human cortical responses evoked by dichotically presented tones of different frequencies. <i>NeuroReport</i> , 1998, 9, 1115-1119.	0.6	16
118	Time-frequency and ERP analyses of EEG to characterize anticipatory postural adjustments in a bimanual load-lifting task. <i>Frontiers in Human Neuroscience</i> , 2011, 5, 163.	1.0	16
119	The relationship between morphological lesion, magnetic source imaging, and intracranial stereo-electroencephalography in focal cortical dysplasia. <i>NeuroImage: Clinical</i> , 2017, 15, 71-79.	1.4	16
120	Metabolic effects of hemodialysis with and without glucose in the dialysate. <i>Kidney International</i> , 1993, 43, 1086-1090.	2.6	15
121	The neural bases underlying pitch processing difficulties. <i>NeuroImage</i> , 2009, 45, 1305-1313.	2.1	15
122	Alpha Reactivity to Complex Sounds Differs during REM Sleep and Wakefulness. <i>PLoS ONE</i> , 2013, 8, e79989.	1.1	15
123	Empirical Bayes evaluation of fused EEG-MEG source reconstruction: Application to auditory mismatch evoked responses. <i>NeuroImage</i> , 2021, 226, 117468.	2.1	15
124	Neurocomputational Underpinnings of Expected Surprise. <i>Journal of Neuroscience</i> , 2022, 42, 474-486.	1.7	15
125	Sequential colour mapping system of brain potentials. <i>Computer Methods and Programs in Biomedicine</i> , 1985, 20, 9-16.	2.6	14
126	Effects of glucose-to-lipid ratio and type of lipid on substrate oxidation rate in patients. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 1994, 267, E775-E780.	1.8	14

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127	EEG sensor selection by sparse spatial filtering in P300 speller brain-computer interface. , 2010, 2010, 5379-82.		14
128	Toward a New Application of Real-Time Electrophysiology: Online Optimization of Cognitive Neurosciences Hypothesis Testing. Brain Sciences, 2014, 4, 49-72.	1.1	14
129	Scalp Current Density Mapping in the Analysis of Mismatch Negativity Paradigms. Brain Topography, 2014, 27, 428-437.	0.8	14
130	Whatâ€™s in Your Gamma? Activation of the Ventral Fronto-Parietal Attentional Network in Response to Distracting Sounds. Cerebral Cortex, 2020, 30, 696-707.	1.6	14
131	Long- and medium-chain triglycerides during parenteral nutrition in critically ill patients. American Journal of Physiology - Endocrinology and Metabolism, 1997, 272, E550-E555.	1.8	13
132	Turning visual shapes into sounds: Early stages of reading acquisition revealed in the ventral occipitotemporal cortex. NeuroImage, 2014, 90, 298-307.	2.1	13
133	Added inspiratory work of breathing during CPAP ventilation: comparison of two demand-valve devices with a continuous flow-system. Intensive Care Medicine, 1986, 12, 374-377.	3.9	12
134	What MEG can reveal about inference making: The case of if...then sentences. Human Brain Mapping, 2013, 34, 684-697.	1.9	12
135	Effects of Protein Intake on Pulmonary Gas Exchange and Ventilatory Drive in Postoperative Patients. Anesthesiology, 1989, 70, 404-407.	1.3	11
136	The Representation of Audiovisual Regularities in the Human Brain. Journal of Cognitive Neuroscience, 2013, 25, 365-373.	1.1	11
137	The temporal component of the auditory evoked potential: A reinterpretation. Electroencephalography and Clinical Neurophysiology - Evoked Potentials, 1984, 59, 67-71.	2.0	10
138	The modulatory influence of a predictive cue on the auditory steady-state response. Human Brain Mapping, 2012, 33, 1417-1430.	1.9	10
139	Dynamics of working memory for moving sounds:An event-related potential and scalp current density study. NeuroImage, 2003, 19, 1427-1438.	2.1	9
140	Non-verbal auditory cognition in patients with temporal epilepsy before and after anterior temporal lobectomy. Frontiers in Human Neuroscience, 2009, 3, 42.	1.0	9
141	Developement of Matlab-based Graphical User Interface (GUI) for detection of high frequency oscillations (HFOs) in epileptic patients. , 2012, , .		9
142	BLAST: A short computerized test to measure the ability to stay on task. Normative behavioral data and detailed cortical dynamics.. Neuropsychologia, 2019, 134, 107151.	0.7	9
143	Matching of digitised brain atlas to magnetic resonance images. Medical and Biological Engineering and Computing, 1997, 35, 239-245.	1.6	8
144	Tracking the acquisition of anticipatory postural adjustments during a bimanual loadâ€lifting task: A MEG study. Human Brain Mapping, 2019, 40, 2955-2966.	1.9	6

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145	A simultaneous MEG and intracranial EEG study of task-related brain oscillations. International Congress Series, 2007, 1300, 421-424.	0.2	5
146	The Dual-Task Cost Is Due to Neural Interferences Disrupting the Optimal Spatio-Temporal Dynamics of the Competing Tasks. Frontiers in Behavioral Neuroscience, 2021, 15, 640178.	1.0	5
147	Online Detection of Gamma Oscillations in Ongoing Intracerebral Recordings: From Functional Mapping to Brain Computer Interfaces. , 2007, , .		3
148	Left auditory cortex dysfunction in hallucinating patients with schizophrenia: An MEG study. Clinical Neurophysiology, 2013, 124, 823-824.	0.7	3
149	BLAST paradigm: A new test to assess brief attentional fluctuations in children with epilepsy, ADHD, and normally developing children. Epilepsy and Behavior, 2019, 99, 106470.	0.9	3
150	Reply. Trends in Cognitive Sciences, 1999, 3, 252-253.	4.0	2
151	The hands have it: Hand specific vision of touch enhances touch perception and somatosensory evoked potential. Seeing and Perceiving, 2012, 25, 43.	0.4	1
152	Sparse and heterogeneous codification of sound attributes in rat primary auditory cortex revealed by laminar profile analysis. Neuroscience Research, 2011, 71, e149-e150.	1.0	0
153	Sélection de capteurs pour interfaces cerveau-ordinateur de type P300. Traitement Du Signal, 2010, 27, 515-540.	0.8	0
154	Age-related modulations of alpha and gamma brain activities underlying anticipation and distraction. , 2020, 15, e0229334.		0
155	Age-related modulations of alpha and gamma brain activities underlying anticipation and distraction. , 2020, 15, e0229334.		0
156	Age-related modulations of alpha and gamma brain activities underlying anticipation and distraction. , 2020, 15, e0229334.		0
157	Age-related modulations of alpha and gamma brain activities underlying anticipation and distraction. , 2020, 15, e0229334.		0
158	Age-related modulations of alpha and gamma brain activities underlying anticipation and distraction. , 2020, 15, e0229334.		0
159	Age-related modulations of alpha and gamma brain activities underlying anticipation and distraction. , 2020, 15, e0229334.		0
160	Age-related modulations of alpha and gamma brain activities underlying anticipation and distraction. , 2020, 15, e0229334.		0
161	Age-related modulations of alpha and gamma brain activities underlying anticipation and distraction. , 2020, 15, e0229334.		0