

# Olivier Bertrand

## List of Publications by Citations

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163  
papers

16,212  
citations

56  
h-index

126  
g-index

172  
ext. papers

18,097  
ext. citations

5.3  
avg, IF

6.24  
L-index

#	Paper	IF	Citations
163	Spherical splines for scalp potential and current density mapping. <i>Electroencephalography and Clinical Neurophysiology</i> , <b>1989</b> , 72, 184-7		1798
162	Oscillatory gamma activity in humans and its role in object representation. <i>Trends in Cognitive Sciences</i> , <b>1999</b> , 3, 151-162	14	1607
161	Stimulus specificity of phase-locked and non-phase-locked 40 Hz visual responses in human. <i>Journal of Neuroscience</i> , <b>1996</b> , 16, 4240-9	6.6	1262
160	Induced gamma-band activity during the delay of a visual short-term memory task in humans. <i>Journal of Neuroscience</i> , <b>1998</b> , 18, 4244-54	6.6	844
159	Oscillatory gamma-band (30-70 Hz) activity induced by a visual search task in humans. <i>Journal of Neuroscience</i> , <b>1997</b> , 17, 722-34	6.6	788
158	Mapping of scalp potentials by surface spline interpolation. <i>Electroencephalography and Clinical Neurophysiology</i> , <b>1987</b> , 66, 75-81		482
157	OpenVIBE: An Open-Source Software Platform to Design, Test, and Use Brain-Computer Interfaces in Real and Virtual Environments. <i>Presence: Teleoperators and Virtual Environments</i> , <b>2010</b> , 19, 35-53	2.9	391
156	Specific tonotopic organizations of different areas of the human auditory cortex revealed by simultaneous magnetic and electric recordings. <i>Electroencephalography and Clinical Neurophysiology</i> , <b>1995</b> , 94, 26-40		381
155	A theoretical justification of the average reference in topographic evoked potential studies. <i>Electroencephalography and Clinical Neurophysiology - Evoked Potentials</i> , <b>1985</b> , 62, 462-4		300
154	Scalp current density mapping: value and estimation from potential data. <i>IEEE Transactions on Biomedical Engineering</i> , <b>1987</b> , 34, 283-8	5	294
153	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> , <b>1995</b> , 7, 133-43	3.1	281
152	Oscillatory synchrony between human extrastriate areas during visual short-term memory maintenance. <i>Journal of Neuroscience</i> , <b>2001</b> , 21, RC177	6.6	273
151	Attentional modulation of human auditory cortex. <i>Nature Neuroscience</i> , <b>2004</b> , 7, 658-63	25.5	263
150	Relationship between task-related gamma oscillations and BOLD signal: new insights from combined fMRI and intracranial EEG. <i>Human Brain Mapping</i> , <b>2007</b> , 28, 1368-75	5.9	250
149	Attention modulates gamma-band oscillations differently in the human lateral occipital cortex and fusiform gyrus. <i>Cerebral Cortex</i> , <b>2005</b> , 15, 654-62	5.1	242
148	Sustained and transient oscillatory responses in the gamma and beta bands in a visual short-term memory task in humans. <i>Visual Neuroscience</i> , <b>1999</b> , 16, 449-59	1.7	230
147	Early amygdala reaction to fear spreading in occipital, temporal, and frontal cortex: a depth electrode ERP study in human. <i>Neuron</i> , <b>2004</b> , 42, 665-76	13.9	219

146	Oscillatory gamma activity in humans: a possible role for object representation. <i>International Journal of Psychophysiology</i> , <b>2000</b> , 38, 211-23	2.9	207
145	Task-related gamma-band dynamics from an intracerebral perspective: review and implications for surface EEG and MEG. <i>Human Brain Mapping</i> , <b>2009</b> , 30, 1758-71	5.9	186
144	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> , <b>2007</b> , 19, 158-72 <sup>3.1</sup>		172
143	Effects of selective attention on the electrophysiological representation of concurrent sounds in the human auditory cortex. <i>Journal of Neuroscience</i> , <b>2007</b> , 27, 9252-61	6.6	170
142	An attention modulated response to disgust in human ventral anterior insula. <i>Annals of Neurology</i> , <b>2003</b> , 53, 446-53	9.4	165
141	Impaired pitch perception and memory in congenital amusia: the deficit starts in the auditory cortex. <i>Brain</i> , <b>2013</b> , 136, 1639-61	11.2	163
140	Gamma-range activity evoked by coherent visual stimuli in humans. <i>European Journal of Neuroscience</i> , <b>1995</b> , 7, 1285-91	3.5	158
139	Multiple supratemporal sources of magnetic and electric auditory evoked middle latency components in humans. <i>Cerebral Cortex</i> , <b>2001</b> , 11, 411-23	5.1	156
138	Transient suppression of broadband gamma power in the default-mode network is correlated with task complexity and subject performance. <i>Journal of Neuroscience</i> , <b>2011</b> , 31, 14521-30	6.6	150
137	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> , <b>2003</b> , 17, 350-8	3.5	129
136	Using auditory steady state responses to outline the functional connectivity in the tinnitus brain. <i>PLoS ONE</i> , <b>2008</b> , 3, e3720	3.7	125
135	Listening in silence activates auditory areas: a functional magnetic resonance imaging study. <i>Journal of Neuroscience</i> , <b>2006</b> , 26, 273-8	6.6	124
134	Time-frequency digital filtering based on an invertible wavelet transform: an application to evoked potentials. <i>IEEE Transactions on Biomedical Engineering</i> , <b>1994</b> , 41, 77-88	5	122
133	Visual activation and audiovisual interactions in the auditory cortex during speech perception: intracranial recordings in humans. <i>Journal of Neuroscience</i> , <b>2008</b> , 28, 14301-10	6.6	114
132	Analysis of speech sounds is left-hemisphere predominant at 100-150ms after sound onset. <i>NeuroReport</i> , <b>1999</b> , 10, 1113-7	1.7	108
131	Cortical dynamics of word recognition. <i>Human Brain Mapping</i> , <b>2008</b> , 29, 1215-30	5.9	106
130	Combined EEG and MEG recordings of visual 40 Hz responses to illusory triangles in human. <i>NeuroReport</i> , <b>1997</b> , 8, 1103-7	1.7	104
129	Scalp current density fields: concept and properties. <i>Electroencephalography and Clinical Neurophysiology</i> , <b>1988</b> , 69, 385-9		104

128	ELAN: a software package for analysis and visualization of MEG, EEG, and LFP signals. <i>Computational Intelligence and Neuroscience</i> , <b>2011</b> , 2011, 158970	3	103
127	Tonotopic organization of the human auditory cortex: N100 topography and multiple dipole model analysis. <i>Electroencephalography and Clinical Neurophysiology - Evoked Potentials</i> , <b>1995</b> , 96, 143-56		99
126	Clinical validation of the Deltatrac monitoring system in mechanically ventilated patients. <i>Intensive Care Medicine</i> , <b>1995</b> , 21, 149-53	14.5	97
125	Simultaneous MEG and intracranial EEG recordings during attentive reading. <i>NeuroImage</i> , <b>2009</b> , 45, 1289-904	7.3	96
124	Localization of human supratemporal auditory areas from intracerebral auditory evoked potentials using distributed source models. <i>NeuroImage</i> , <b>2005</b> , 28, 140-53	7.9	95
123	A systematic evaluation of the spherical model accuracy in EEG dipole localization. <i>Electroencephalography and Clinical Neurophysiology</i> , <b>1997</b> , 102, 452-9		88
122	Exploring the electrophysiological correlates of the default-mode network with intracerebral EEG. <i>Frontiers in Systems Neuroscience</i> , <b>2010</b> , 4, 27	3.5	86
121	Neural correlates of consolidation in working memory. <i>Human Brain Mapping</i> , <b>2007</b> , 28, 183-93	5.9	85
120	Listening to a walking human activates the temporal biological motion area. <i>NeuroImage</i> , <b>2005</b> , 28, 132-9	7.9	84
119	Saccade related gamma-band activity in intracerebral EEG: dissociating neural from ocular muscle activity. <i>Brain Topography</i> , <b>2009</b> , 22, 18-23	4.3	82
118	Oxygen cost of breathing in postoperative patients. Pressure support ventilation vs continuous positive airway pressure. <i>Chest</i> , <b>1988</b> , 93, 506-9	5.3	76
117	Cortical mapping of gamma oscillations in areas V1 and V4 of the macaque monkey. <i>Visual Neuroscience</i> , <b>2001</b> , 18, 527-40	1.7	75
116	A robust sensor-selection method for P300 brain-computer interfaces. <i>Journal of Neural Engineering</i> , <b>2011</b> , 8, 016001	5	74
115	Selective modulation of auditory cortical alpha activity in an audiovisual spatial attention task. <i>Journal of Neuroscience</i> , <b>2014</b> , 34, 6634-9	6.6	70
114	How silent is silent reading? Intracerebral evidence for top-down activation of temporal voice areas during reading. <i>Journal of Neuroscience</i> , <b>2012</b> , 32, 17554-62	6.6	70
113	Silence is golden: transient neural deactivation in the prefrontal cortex during attentive reading. <i>Cerebral Cortex</i> , <b>2008</b> , 18, 443-50	5.1	70
112	The value of magnetoencephalography for seizure-onset zone localization in magnetic resonance imaging-negative partial epilepsy. <i>Brain</i> , <b>2013</b> , 136, 3176-86	11.2	66
111	Electrophysiological (EEG, sEEG, MEG) evidence for multiple audiovisual interactions in the human auditory cortex. <i>Hearing Research</i> , <b>2009</b> , 258, 143-51	3.9	66

110	A blueprint for real-time functional mapping via human intracranial recordings. <i>PLoS ONE</i> , <b>2007</b> , 2, e1094.	3.7	64
109	Brain reactivity differentiates subjects with high and low dream recall frequencies during both sleep and wakefulness. <i>Cerebral Cortex</i> , <b>2014</b> , 24, 1206-15	5.1	61
108	Functional connectivity of insular efferences. <i>Human Brain Mapping</i> , <b>2014</b> , 35, 5279-94	5.9	58
107	An evaluation of dipole reconstruction accuracy with spherical and realistic head models in MEG. <i>Clinical Neurophysiology</i> , <b>1999</b> , 110, 2176-88	4.3	56
106	Additional inspiratory work in intubated patients breathing with continuous positive airway pressure systems. <i>Anesthesiology</i> , <b>1985</b> , 63, 536-9	4.3	56
105	Long-distance amplitude correlations in the high $\beta$ band reveal segregation and integration within the reading network. <i>Journal of Neuroscience</i> , <b>2012</b> , 32, 6421-34	6.6	53
104	Reading the mind's eye: online detection of visuo-spatial working memory and visual imagery in the inferior temporal lobe. <i>NeuroImage</i> , <b>2012</b> , 59, 872-9	7.9	52
103	Human lateral geniculate nucleus and visual cortex respond to screen flicker. <i>Annals of Neurology</i> , <b>2003</b> , 53, 73-80	9.4	52
102	Inferring hand movement kinematics from MEG, EEG and intracranial EEG: From brain-machine interfaces to motor rehabilitation. <i>Irbm</i> , <b>2011</b> , 32, 8-18	4.8	51
101	Brain-stem monitoring. II. Preterminal BAEP changes observed until brain death in deeply comatose patients. <i>Electroencephalography and Clinical Neurophysiology - Evoked Potentials</i> , <b>1987</b> , 68, 446-57		50
100	Experiencing and detecting happiness in humans: the role of the supplementary motor area. <i>Annals of Neurology</i> , <b>2006</b> , 59, 196-9	9.4	46
99	Objective and Subjective Evaluation of Online Error Correction during P300-Based Spelling. <i>Advances in Human-Computer Interaction</i> , <b>2012</b> , 2012, 1-13	2.8	45
98	Energy expenditure during severe acute pancreatitis. <i>Journal of Parenteral and Enteral Nutrition</i> , <b>1989</b> , 13, 26-9	4.2	44
97	Efficient "pop-out" visual search elicits sustained broadband $\beta$ activity in the dorsal attention network. <i>Journal of Neuroscience</i> , <b>2012</b> , 32, 3414-21	6.6	43
96	Impaired fronto-temporal processing of emotion in schizophrenia. <i>Neurophysiologie Clinique</i> , <b>2007</b> , 37, 77-87	2.7	40
95	Oscillatory alpha modulations in right auditory regions reflect the validity of acoustic cues in an auditory spatial attention task. <i>Cerebral Cortex</i> , <b>2014</b> , 24, 2579-90	5.1	38
94	Functional significance of olfactory-induced oscillations in the human amygdala. <i>Cerebral Cortex</i> , <b>2006</b> , 16, 1-8	5.1	37
93	Oscillatory activity of the human cerebellum: the intracranial electrocerebellogram revisited. <i>Neuroscience and Biobehavioral Reviews</i> , <b>2013</b> , 37, 585-93	9	36

92	Towards source volume estimation of interictal spikes in focal epilepsy using magnetoencephalography. <i>NeuroImage</i> , <b>2012</b> , 59, 3955-66	7.9	36
91	Improved forward EEG calculations using local mesh refinement of realistic head geometries. <i>Electroencephalography and Clinical Neurophysiology</i> , <b>1995</b> , 95, 381-92		36
90	Intrainsular functional connectivity in human. <i>Human Brain Mapping</i> , <b>2014</b> , 35, 2779-88	5.9	35
89	Epilepsy, cognition, and neuropsychiatry (Epilepsy, Brain, and Mind, part 2). <i>Epilepsy and Behavior</i> , <b>2013</b> , 28, 283-302	3.2	35
88	BAEP latency changes during nocturnal sleep are not correlated with sleep stages but with body temperature variations. <i>Electroencephalography and Clinical Neurophysiology</i> , <b>1988</b> , 70, 9-15		34
87	Neural dynamics of the intention to speak. <i>Cerebral Cortex</i> , <b>2010</b> , 20, 1891-7	5.1	32
86	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 Physicistsn Association, Deutsche Gesellschaft Fur Medizinische Physik and the European Federation of Organisations for Medical Physics</i> , <b>1991</b> , 12 Suppl A, 89-94		32
85	Continuous measurement of pulmonary gas exchange during general anaesthesia in man. <i>Acta Anaesthesiologica Scandinavica</i> , <b>1988</b> , 32, 691-7	1.9	32
84	Implicit learning of predictable sound sequences modulates human brain responses at different levels of the auditory hierarchy. <i>Frontiers in Human Neuroscience</i> , <b>2015</b> , 9, 505	3.3	31
83	The neural bases of attentive reading. <i>Human Brain Mapping</i> , <b>2008</b> , 29, 1193-206	5.9	31
82	Improved dipole localization using local mesh refinement of realistic head geometries: an EEG simulation study. <i>Electroencephalography and Clinical Neurophysiology</i> , <b>1996</b> , 99, 79-89		31
81	Respiratory changes induced by parenteral nutrition in postoperative patients undergoing inspiratory pressure support ventilation. <i>Anesthesiology</i> , <b>1987</b> , 66, 393-6	4.3	31
80	Brain-stem monitoring. I. A system for high-rate sequential BAEP recording and feature extraction. <i>Electroencephalography and Clinical Neurophysiology - Evoked Potentials</i> , <b>1987</b> , 68, 433-45		31
79	The amusic brain: lost in music, but not in space. <i>PLoS ONE</i> , <b>2010</b> , 5, e10173	3.7	29
78	Alpha reactivity to first names differs in subjects with high and low dream recall frequency. <i>Frontiers in Psychology</i> , <b>2013</b> , 4, 419	3.4	27
77	The perception of coherent and non-coherent auditory objects: a signature in gamma frequency band. <i>Hearing Research</i> , <b>2000</b> , 145, 161-8	3.9	27
76	Pulmonary gas exchange during hemodialysis. <i>Kidney International</i> , <b>1986</b> , 30, 920-3	9.9	26
75	Brain dynamics of distractibility: interaction between top-down and bottom-up mechanisms of auditory attention. <i>Brain Topography</i> , <b>2015</b> , 28, 423-36	4.3	25

74	Spanning the rich spectrum of the human brain: slow waves to gamma and beyond. <i>Brain Structure and Function</i> , <b>2011</b> , 216, 77-84	4	25
73	The combined monitoring of brain stem auditory evoked potentials and intracranial pressure in coma. A study of 57 patients. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , <b>1992</b> , 55, 792-8	5.5	25
72	Functional selectivity in the human occipitotemporal cortex during natural vision: evidence from combined intracranial EEG and eye-tracking. <i>NeuroImage</i> , <b>2014</b> , 95, 276-86	7.9	24
71	Brain responses to success and failure: Direct recordings from human cerebral cortex. <i>Human Brain Mapping</i> , <b>2010</b> , 31, 1217-32	5.9	24
70	Evidence of a tonotopic organization of the auditory cortex in cochlear implant users. <i>Journal of Neuroscience</i> , <b>2007</b> , 27, 7838-46	6.6	24
69	Dynamics of a temporo-fronto-parietal network during sustained spatial or spectral auditory processing. <i>Journal of Cognitive Neuroscience</i> , <b>2005</b> , 17, 1691-703	3.1	24
68	Stimulus Frequency Dependence of the Transient Oscillatory Auditory Evoked Responses (40 Hz) Studied by Electric and Magnetic Recordings in Human <b>1994</b> , 231-242		24
67	Neural repetition suppression in ventral occipito-temporal cortex occurs during conscious and unconscious processing of frequent stimuli. <i>NeuroImage</i> , <b>2014</b> , 95, 129-35	7.9	23
66	Local landmark-based mapping of human auditory cortex. <i>NeuroImage</i> , <b>2004</b> , 22, 1657-70	7.9	23
65	A ring-shaped distribution of dipoles as a source model of induced gamma-band activity. <i>Clinical Neurophysiology</i> , <b>1999</b> , 110, 660-5	4.3	23
64	Two auditory components in the 130-230 ms range disclosed by their stimulus frequency dependence. <i>NeuroReport</i> , <b>1994</b> , 5, 1189-92	1.7	23
63	Neural substrate of concurrent sound perception: direct electrophysiological recordings from human auditory cortex. <i>Frontiers in Human Neuroscience</i> , <b>2007</b> , 1, 5	3.3	22
62	Improving BCI performance through co-adaptation: applications to the P300-speller. <i>Annals of Physical and Rehabilitation Medicine</i> , <b>2015</b> , 58, 23-28	3.8	21
61	BCI Could Make Old Two-Player Games Even More Fun: A Proof of Concept with [Connect Four]	2.8	20
60	Neurophysiological mechanisms involved in auditory perceptual organization. <i>Frontiers in Neuroscience</i> , <b>2009</b> , 3, 182-91	5.1	20
59	Transient drug-induced abolition of BAEPs in coma. <i>Neurology</i> , <b>1988</b> , 38, 1487-9	6.5	20
58	Dejerine's reading area revisited with intracranial EEG: selective responses to letter strings. <i>Neurology</i> , <b>2013</b> , 80, 602-3	6.5	18
57	Intracerebral [modulations reveal interaction between emotional processing and action outcome evaluation in the human orbitofrontal cortex. <i>International Journal of Psychophysiology</i> , <b>2011</b> , 79, 64-72	2.9	18

56	Precautions in topographic mapping and in evoked potential map reading. <i>Journal of Clinical Neurophysiology</i> , <b>1990</b> , 7, 498-506	2.2	17
55	BrainTV: a novel approach for online mapping of human brain functions. <i>Biological Research</i> , <b>2007</b> , 40,	7.6	16
54	Shape interpolation using Fourier descriptors with application to animation graphics. <i>Signal Processing</i> , <b>1982</b> , 4, 53-58	4.4	16
53	Two Sides of the Same Coin: Distinct Sub-Bands in the $\beta$ -Rhythm Reflect Facilitation and Suppression Mechanisms during Auditory Anticipatory Attention. <i>ENeuro</i> , <b>2018</b> , 5,	3.9	16
52	Large-scale heterogeneous representation of sound attributes in rat primary auditory cortex: from unit activity to population dynamics. <i>Journal of Neuroscience</i> , <b>2011</b> , 31, 14639-53	6.6	15
51	Dynamics of MLAEP changes in midazolam-induced sedation. <i>Electroencephalography and Clinical Neurophysiology - Evoked Potentials</i> , <b>1997</b> , 104, 437-46		15
50	Mass spectrometer system for long-term continuous measurements of v.O2 and v.CO2 during artificial ventilation. <i>Medical and Biological Engineering and Computing</i> , <b>1986</b> , 24, 174-81	3.1	15
49	Time-Frequency and ERP Analyses of EEG to Characterize Anticipatory Postural Adjustments in a Bimanual Load-Lifting Task. <i>Frontiers in Human Neuroscience</i> , <b>2011</b> , 5, 163	3.3	14
48	Sequential colour mapping system of brain potentials. <i>Computer Methods and Programs in Biomedicine</i> , <b>1985</b> , 20, 9-16	6.9	14
47	Alpha reactivity to complex sounds differs during REM sleep and wakefulness. <i>PLoS ONE</i> , <b>2013</b> , 8, e79989	3.7	13
46	Human cortical responses evoked by dichotically presented tones of different frequencies. <i>NeuroReport</i> , <b>1998</b> , 9, 1115-9	1.7	13
45	Metabolic effects of hemodialysis with and without glucose in the dialysate. <i>Kidney International</i> , <b>1993</b> , 43, 1086-90	9.9	13
44	Turning visual shapes into sounds: early stages of reading acquisition revealed in the ventral occipitotemporal cortex. <i>NeuroImage</i> , <b>2014</b> , 90, 298-307	7.9	12
43	Toward a new application of real-time electrophysiology: online optimization of cognitive neurosciences hypothesis testing. <i>Brain Sciences</i> , <b>2014</b> , 4, 49-72	3.4	12
42	Cross-frequency coupling in parieto-frontal oscillatory networks during motor imagery revealed by magnetoencephalography. <i>Frontiers in Neuroscience</i> , <b>2009</b> , 3, 3-4	5.1	12
41	The relationship between morphological lesion, magnetic source imaging, and intracranial stereo-electroencephalography in focal cortical dysplasia. <i>NeuroImage: Clinical</i> , <b>2017</b> , 15, 71-79	5.3	11
40	Scalp current density mapping in the analysis of mismatch negativity paradigms. <i>Brain Topography</i> , <b>2014</b> , 27, 428-37	4.3	11
39	EEG sensor selection by sparse spatial filtering in P300 speller brain-computer interface. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2010</b> , 2010, 5379-82	0.9	11



38	The neural bases underlying pitch processing difficulties. <i>NeuroImage</i> , <b>2009</b> , 45, 1305-13	7.9	11
37	What's in Your Gamma? Activation of the Ventral Fronto-Parietal Attentional Network in Response to Distracting Sounds. <i>Cerebral Cortex</i> , <b>2020</b> , 30, 696-707	5.1	10
36	The modulatory influence of a predictive cue on the auditory steady-state response. <i>Human Brain Mapping</i> , <b>2012</b> , 33, 1417-30	5.9	10
35	What MEG can reveal about inference making: the case of if...then sentences. <i>Human Brain Mapping</i> , <b>2013</b> , 34, 684-97	5.9	10
34	Added inspiratory work of breathing during CPAP ventilation: comparison of two demand-valve devices with a continuous flow-system. <i>Intensive Care Medicine</i> , <b>1986</b> , 12, 374-7	14.5	10
33	What characterizes changing-state speech in affecting short-term memory? An EEG study on the irrelevant sound effect. <i>Psychophysiology</i> , <b>2011</b> , 48, 1669-80	4.1	9
32	Effects of protein intake on pulmonary gas exchange and ventilatory drive in postoperative patients. <i>Anesthesiology</i> , <b>1989</b> , 70, 404-7	4.3	9
31	The temporal component of the auditory evoked potential: a reinterpretation. <i>Electroencephalography and Clinical Neurophysiology - Evoked Potentials</i> , <b>1984</b> , 59, 67-71		9
30	Age-related modulations of alpha and gamma brain activities underlying anticipation and distraction. <i>PLoS ONE</i> , <b>2020</b> , 15, e0229334	3.7	8
29	Non-verbal auditory cognition in patients with temporal epilepsy before and after anterior temporal lobectomy. <i>Frontiers in Human Neuroscience</i> , <b>2009</b> , 3, 42	3.3	8
28	Matching of digitised brain atlas to magnetic resonance images. <i>Medical and Biological Engineering and Computing</i> , <b>1997</b> , 35, 239-45	3.1	8
27	The representation of audiovisual regularities in the human brain. <i>Journal of Cognitive Neuroscience</i> , <b>2013</b> , 25, 365-73	3.1	7
26	Dynamics of working memory for moving sounds: an event-related potential and scalp current density study. <i>NeuroImage</i> , <b>2003</b> , 19, 1427-38	7.9	7
25	Empirical Bayes evaluation of fused EEG-MEG source reconstruction: Application to auditory mismatch evoked responses. <i>NeuroImage</i> , <b>2021</b> , 226, 117468	7.9	6
24	Long- and medium-chain triglycerides during parenteral nutrition in critically ill patients. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>1997</b> , 272, E550-5	6	5
23	Tracking the acquisition of anticipatory postural adjustments during a bimanual load-lifting task: A MEG study. <i>Human Brain Mapping</i> , <b>2019</b> , 40, 2955-2966	5.9	4
22	BLAST: A short computerized test to measure the ability to stay on task. Normative behavioral data and detailed cortical dynamics. <i>Neuropsychologia</i> , <b>2019</b> , 134, 107151	3.2	4
21	Development of Matlab-based Graphical User Interface (GUI) for detection of high frequency oscillations (HFOs) in epileptic patients <b>2012</b> ,		4

20	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> , <b>1994</b> , 267, E775-80	6	4
19	Left auditory cortex dysfunction in hallucinating patients with schizophrenia: an MEG study. <i>Clinical Neurophysiology</i> , <b>2013</b> , 124, 823-4	4.3	3
18	Age-Related Modulations of Alpha and Gamma Brain Activities Underlying Anticipation and Distraction		3
17	BLAST : a short computerized test to measure the ability to stay on task. Normative behavioral data and detailed cortical dynamics.		3
16	Neurocomputational underpinnings of expected surprise		3
15	A simultaneous MEG and intracranial EEG study of task-related brain oscillations. <i>International Congress Series</i> , <b>2007</b> , 1300, 421-424		2
14	Reply. <i>Trends in Cognitive Sciences</i> , <b>1999</b> , 3, 252-253	14	2
13	BLAST paradigm: A new test to assess brief attentional fluctuations in children with epilepsy, ADHD, and normally developing children. <i>Epilepsy and Behavior</i> , <b>2019</b> , 99, 106470	3.2	1
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8	Age-related modulations of alpha and gamma brain activities underlying anticipation and distraction <b>2020</b> , 15, e0229334		
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