

# Jean-Philippe Lachaux

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6921529/publications.pdf>

Version: 2024-02-01

23  
papers

2,233  
citations

623699

14  
h-index

610883

24  
g-index

26  
all docs

26  
docs citations

26  
times ranked

2843  
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of Hilbert transform and wavelet methods for the analysis of neuronal synchrony. <i>Journal of Neuroscience Methods</i> , 2001, 111, 83-98.	2.5	808
2	High-frequency neural activity and human cognition: Past, present and possible future of intracranial EEG research. <i>Progress in Neurobiology</i> , 2012, 98, 279-301.	5.7	383
3	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.	3.6	286
4	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.	3.6	222
5	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.	3.6	87
6	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.	4.2	68
7	Activations of deep convolutional neural networks are aligned with gamma band activity of human visual cortex. <i>Communications Biology</i> , 2018, 1, 107.	4.4	65
8	Efficient "Pop-Out" Visual Search Elicits Sustained Broadband Gamma Activity in the Dorsal Attention Network. <i>Journal of Neuroscience</i> , 2012, 32, 3414-3421.	3.6	61
9	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.	4.2	37
10	The ConDialInt Model: Condensation, Dialogality, and Intentionality Dimensions of Inner Speech Within a Hierarchical Predictive Control Framework. <i>Frontiers in Psychology</i> , 2019, 10, 2019.	2.1	37
11	Invasive EEG in the definition of the seizure onset zone: depth electrodes. <i>Handbook of Clinical Neurophysiology</i> , 2003, , 109-133.	0.0	33
12	Human Anterior Insula Encodes Performance Feedback and Relays Prediction Error to the Medial Prefrontal Cortex. <i>Cerebral Cortex</i> , 2020, 30, 4011-4025.	2.9	30
13	Anatomical dissociation of intracerebral signals for reward and punishment prediction errors in humans. <i>Nature Communications</i> , 2021, 12, 3344.	12.8	27
14	Neural repetition suppression in ventral occipito-temporal cortex occurs during conscious and unconscious processing of frequent stimuli. <i>NeuroImage</i> , 2014, 95, 129-135.	4.2	26
15	Relationship between direct cortical stimulation and induced high-frequency activity for language mapping during SEEG recording. <i>Journal of Neurosurgery</i> , 2021, 134, 1251-1261.	1.6	16
16	Intracranial spectral amplitude dynamics of perceptual suppression in fronto-insular, occipito-temporal, and primary visual cortex. <i>Frontiers in Psychology</i> , 2014, 5, 1545.	2.1	13
17	BLAST: A short computerized test to measure the ability to stay on task. Normative behavioral data and detailed cortical dynamics. <i>Neuropsychologia</i> , 2019, 134, 107151.	1.6	9
18	Self-induced intracerebral gamma oscillations in the human cortex. <i>Brain</i> , 2016, 139, 3084-3091.	7.6	7

#	ARTICLE	IF	CITATIONS
19	Neural correlates of verbal working memory in children with epilepsy with centro-temporal spikes. <i>NeuroImage: Clinical</i> , 2020, 28, 102392.	2.7	4
20	Task-induced gamma band effect in type II focal cortical dysplasia: An exploratory study. <i>Epilepsy and Behavior</i> , 2018, 85, 76-84.	1.7	3
21	BLAST paradigm: A new test to assess brief attentional fluctuations in children with epilepsy, ADHD, and normally developing children. <i>Epilepsy and Behavior</i> , 2019, 99, 106470.	1.7	3
22	Influence of the referential framework in the human pursuit coding system. <i>Neurology</i> , 2016, 87, 1517-1518.	1.1	1
23	Identifying task-relevant spectral signatures of perceptual categorization in the human cortex. <i>Scientific Reports</i> , 2020, 10, 7870.	3.3	1