

Stephan Bickel

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

1,172
citations

687363

13
h-index

940533

16
g-index

22
all docs

22
docs citations

22
times ranked

1991
citing authors

#	ARTICLE	IF	CITATIONS
1	Neurophysiological Investigation of Spontaneous Correlated and Anticorrelated Fluctuations of the BOLD Signal. <i>Journal of Neuroscience</i> , 2013, 33, 6333-6342.	3.6	211
2	iELVis: An open source MATLAB toolbox for localizing and visualizing human intracranial electrode data. <i>Journal of Neuroscience Methods</i> , 2017, 281, 40-48.	2.5	177
3	A unifying principle underlying the extracellular field potential spectral responses in the human cortex. <i>Journal of Neurophysiology</i> , 2015, 114, 505-519.	1.8	171
4	Corticocortical Evoked Potentials Reveal Projectors and Integrators in Human Brain Networks. <i>Journal of Neuroscience</i> , 2014, 34, 9152-9163.	3.6	107
5	Intracranial Electrophysiology Reveals Reproducible Intrinsic Functional Connectivity within Human Brain Networks. <i>Journal of Neuroscience</i> , 2018, 38, 4230-4242.	3.6	98
6	iEEG-BIDS, extending the Brain Imaging Data Structure specification to human intracranial electrophysiology. <i>Scientific Data</i> , 2019, 6, 102.	5.3	96
7	Evaluation of cortical local field potential diffusion in stereotactic electro-encephalography recordings: A glimpse on white matter signal. <i>NeuroImage</i> , 2017, 147, 219-232.	4.2	82
8	Evoked effective connectivity of the human neocortex. <i>Human Brain Mapping</i> , 2014, 35, 5736-5753.	3.6	72
9	Scalp <scp>EEG</scp> Ictal gamma and beta activity during infantile spasms: Evidence of focality. <i>Epilepsia</i> , 2017, 58, 882-892.	5.1	37
10	Distinct Patterns of Temporal and Directional Connectivity among Intrinsic Networks in the Human Brain. <i>Journal of Neuroscience</i> , 2017, 37, 9667-9674.	3.6	31
11	The Hippocampus and Amygdala Are Integrators of Neocortical Influence: A CorticoCortical Evoked Potential Study. <i>Brain Connectivity</i> , 2017, 7, 648-660.	1.7	30
12	Electrical stimulation of the human claustrum. <i>Epilepsy and Behavior</i> , 2019, 97, 296-303.	1.7	22
13	Functional characterization of human Heschl's gyrus in response to natural speech. <i>NeuroImage</i> , 2021, 235, 118003.	4.2	19
14	Decoding Neural Activity in Sulcal and White Matter Areas of the Brain to Accurately Predict Individual Finger Movement and Tactile Stimuli of the Human Hand. <i>Frontiers in Neuroscience</i> , 2021, 15, 699631.	2.8	5
15	Learning Speech Production and Perception through Sensorimotor Interactions. <i>Cerebral Cortex Communications</i> , 2021, 2, tgaa091.	1.6	5
16	Improved Speech Hearing in Noise with Invasive Electrical Brain Stimulation. <i>Journal of Neuroscience</i> , 2022, 42, 3648-3658.	3.6	1