François Benoît Vialatte

List of Publications by Year
in descending order

33 papers	**1,736** citations	567281 **15** h-index	580821 **25** g-index
35 all docs	**35** docs citations	**35** times ranked	**2149** citing authors

#	Article	IF	Citations
1	A comparative study of synchrony measures for the early diagnosis of Alzheimer's disease based on EEG. NeuroImage, 2010, 49, 668-693.	4.2	408
2	Diagnosis of Alzheimers Disease from EEG Signals: Where Are We Standing?. Current Alzheimer Research, 2010, 7, 487-505.	1.4	382
3	Consensus on the reporting and experimental design of clinical and cognitive-behavioural neurofeedback studies (CRED-nf checklist). Brain, 2020, 143, 1674-1685.	7.6	188
4	Diagnosis of Alzheimerâ€™s disease with Electroencephalography in a differential framework. PLoS ONE, 2018, 13, e0193607.	2.5	85
5	EEG paroxysmal gamma waves during Bhramari Pranayama: A yoga breathing technique. Consciousness and Cognition, 2009, 18, 977-988.	1.5	82
6	A psychoengineering paradigm for the neurocognitive mechanisms of biofeedback and neurofeedback. Neuroscience and Biobehavioral Reviews, 2016, 68, 891-910.	6.1	80
7	Cognitive Decline and Reorganization of Functional Connectivity in Healthy Aging: The Pivotal Role of the Salience Network in the Prediction of Age and Cognitive Performances. Frontiers in Aging Neuroscience, 2016, 8, 204.	3.4	66
8	Multiway array decomposition analysis of EEGs in Alzheimer's disease. Journal of Neuroscience Methods, 2012, 207, 41-50.	2.5	58
9	Techniques for early detection of Alzheimer's disease using spontaneous EEG recordings. Physiological Measurement, 2007, 28, 335-347.	2.1	42
10	EEG synchrony analysis for early diagnosis of Alzheimer's disease: A study with several synchrony measures and EEG data sets. , 2009, 2009, 2224-7.		37
11	Optimization of EEG frequency bands for improved diagnosis of Alzheimer disease. , 2011, 2011, 6087-91.		30
12	Split-test Bonferroni correction for QEEG statistical maps. Biological Cybernetics, 2008, 98, 295-303.	1.3	29
13	Diagnosis of Alzheimer's disease from EEG by means of synchrony measures in optimized frequency bands. , 2012, 2012, 4266-70.		29
14	EEG windowed statistical wavelet scoring for evaluation and discrimination of muscular artifacts. Physiological Measurement, 2008, 29, 1435-1452.	2.1	27
15	Quantifying Statistical Interdependence by Message Passing on Graphsâ€”Part II: Multidimensional Point Processes. Neural Computation, 2009, 21, 2203-2268.	2.2	21
16	On the synchrony of steady state visual evoked potentials and oscillatory burst events. Cognitive Neurodynamics, 2009, 3, 251-261.	4.0	21
17	On Similarity Measures for Spike Trains. Lecture Notes in Computer Science, 2009, , 177-185.	1.3	20
18	Oculomotricity and Neurological Soft Signs: Can we refine the endophenotype? A study in subjects belonging to the spectrum of schizophrenia. Psychiatry Research, 2017, 256, 490-497.	3.3	14

#	Article	IF	Citations
19	Relieving peripheral neuropathic pain by increasing the power-ratio of low-β over high-β activities in the central cortical region with EEG-based neurofeedback: Study protocol for a controlled pilot trial (SMRPain study). Neurophysiologie Clinique, 2020, 50, 5-20.	2.2	13
20	Toward a Refined Mindfulness Model Related to Consciousness and Based on Event-Related Potentials. Perspectives on Psychological Science, 2020, 15, 1095-1112.	9.0	12
21	Statistical Modeling and Analysis of Laser-Evoked Potentials of Electrocorticogram Recordings from Awake Humans. Computational Intelligence and Neuroscience, 2007, 2007, 1-24.	1.7	11
22	Towards a Pragmatic Approach to a Psychophysiological Unit of Analysis for Mental and Brain Disorders: An EEG-Copeia for Neurofeedback. Applied Psychophysiology Biofeedback, 2019, 44, 151-172.	1.7	11
23	Inferring Brain Networks through Graphical Models with Hidden Variables. Lecture Notes in Computer Science, 2012, , 194-201.	1.3	11
24	EEG Correlates of Voice and Face Emotional Judgments in the Human Brain. Cognitive Computation, 2015, 7, 11-19.	5.2	9
25	Quantifying Statistical Interdependence, Part III: N > 2 Point Processes. Neural Computation, 2012, 24, 408-454.	2.2	8
26	A Novel Measure for Synchrony and its Application to Neural Signals. , 2007, , .		6
27	A Comparative Study of Synchrony Measures for the Early Detection of Alzheimer's Disease Based on EEG. Lecture Notes in Computer Science, 2008, , 112-125.	1.3	6
28	Removal of ocular artifacts for high resolution EEG studies: a simulation study. , 2006, 2006, 976-9.		3
29	Quantifying the similarity of multiple point processes with application to early diagnosis of Alzheimer's disease from EEG. , 2008, 2008, 2657-60.		1
30	On the synchrony of empirical mode decompositions with application to electroencephalography. Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008, , .	1.8	1
31	Analyzing brain signals by combinatorial optimization. , 2008, , .		0
32	A multimodal approach to analysis of steady state visually evoked potentials. , 2013, , .		0
33	An Exemplar-Based Statistical Model for the Dynamics of Neural Synchrony. Lecture Notes in Computer Science, 2009, , 318-326.	1.3	0