

Giovanni Vecchiato

List of Publications by Year in descending order

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Version: 2024-02-01

49
papers

2,586
citations

361045

20
h-index

276539

41
g-index

50
all docs

50
docs citations

50
times ranked

2470
citing authors

#	ARTICLE	IF	CITATIONS
1	Measuring neurophysiological signals in aircraft pilots and car drivers for the assessment of mental workload, fatigue and drowsiness. <i>Neuroscience and Biobehavioral Reviews</i> , 2014, 44, 58-75.	2.9	902
2	Spectral EEG frontal asymmetries correlate with the experienced pleasantness of TV commercial advertisements. <i>Medical and Biological Engineering and Computing</i> , 2011, 49, 579-583.	1.6	181
3	Changes in Brain Activity During the Observation of TV Commercials by Using EEG, GSR and HR Measurements. <i>Brain Topography</i> , 2010, 23, 165-179.	0.8	161
4	Neuroelectrical Hyperscanning Measures Simultaneous Brain Activity in Humans. <i>Brain Topography</i> , 2010, 23, 243-256.	0.8	148
5	On the Use of EEG or MEG Brain Imaging Tools in Neuromarketing Research. <i>Computational Intelligence and Neuroscience</i> , 2011, 2011, 1-12.	1.1	141
6	On the Use of Electrooculogram for Efficient Human Computer Interfaces. <i>Computational Intelligence and Neuroscience</i> , 2010, 2010, 1-5.	1.1	92
7	Neurophysiological Tools to Investigate Consumer's Gender Differences during the Observation of TV Commercials. <i>Computational and Mathematical Methods in Medicine</i> , 2014, 2014, 1-12.	0.7	91
8	Imaging the Social Brain by Simultaneous Hyperscanning during Subject Interaction. <i>IEEE Intelligent Systems</i> , 2011, 26, 38-45.	4.0	81
9	How to Measure Cerebral Correlates of Emotions in Marketing Relevant Tasks. <i>Cognitive Computation</i> , 2014, 6, 856-871.	3.6	67
10	The Enactive Approach to Architectural Experience: A Neurophysiological Perspective on Embodiment, Motivation, and Affordances. <i>Frontiers in Psychology</i> , 2016, 7, 481.	1.1	61
11	Electroencephalographic Correlates of Sensorimotor Integration and Embodiment during the Appreciation of Virtual Architectural Environments. <i>Frontiers in Psychology</i> , 2015, 6, 1944.	1.1	57
12	Cortical Network Analysis in Patients Affected by Schizophrenia. <i>Brain Topography</i> , 2010, 23, 214-220.	0.8	46
13	Understanding the Impact of TV Commercials: Electrical Neuroimaging. <i>IEEE Pulse</i> , 2012, 3, 42-47.	0.1	45
14	Neurophysiological correlates of embodiment and motivational factors during the perception of virtual architectural environments. <i>Cognitive Processing</i> , 2015, 16, 425-429.	0.7	37
15	Investigation of the effect of EEG-BCI on the simultaneous execution of flight simulation and attentional tasks. <i>Medical and Biological Engineering and Computing</i> , 2016, 54, 1503-1513.	1.6	37
16	A graph-theoretical approach in brain functional networks. Possible implications in EEG studies. <i>Nonlinear Biomedical Physics</i> , 2010, 4, S8.	1.5	36
17	Electronic evaluation for video commercials by impression index. <i>Cognitive Neurodynamics</i> , 2013, 7, 531-535.	2.3	36
18	The issue of multiple univariate comparisons in the context of neuroelectric brain mapping: An application in a neuromarketing experiment. <i>Journal of Neuroscience Methods</i> , 2010, 191, 283-289.	1.3	34

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19	Mental workload estimations in unilateral deafened children. , 2015, 2015, 1654-7.		32
20	Neuroelectrical Brain Imaging Tools for the Study of the Efficacy of TV Advertising Stimuli and their Application to Neuromarketing. Biosystems and Biorobotics, 2013, , .	0.2	30
21	The Track of Brain Activity during the Observation of TV Commercials with the High-Resolution EEG Technology. Computational Intelligence and Neuroscience, 2009, 2009, 1-7.	1.1	23
22	Alpha EEG Frontal Asymmetries during Audiovisual Perception in Cochlear Implant Users. Methods of Information in Medicine, 2015, 54, 500-504.	0.7	20
23	Grand Field Challenges for Cognitive Neuroergonomics in the Coming Decade. Frontiers in Neuroergonomics, 2021, 2, .	0.6	20
24	Electroencephalographic time-frequency patterns of braking and acceleration movement preparation in car driving simulation. Brain Research, 2019, 1716, 16-26.	1.1	18
25	The study of brain activity during the observation of commercial advertsing by using high resolution EEG techniques. , 2009, 2009, 57-60.		17
26	EEG Analysis of the Brain Activity during the Observation of Commercial, Political, or Public Service Announcements. Computational Intelligence and Neuroscience, 2010, 2010, 1-7.	1.1	16
27	Enhance of theta EEG spectral activity related to the memorization of commercial advertisings in Chinese and Italian subjects. , 2011, , .		16
28	High-Resolution EEG Analysis of Power Spectral Density Maps and Coherence Networks in a Proportional Reasoning Task. Brain Topography, 2013, 26, 303-314.	0.8	15
29	Psychological constraints on aggressive predation in economic contests.. Journal of Experimental Psychology: General, 2019, 148, 1767-1781.	1.5	14
30	Neuroelectrical Correlates of Trustworthiness and Dominance Judgments Related to the Observation of Political Candidates. Computational and Mathematical Methods in Medicine, 2014, 2014, 1-19.	0.7	12
31	Time-Varying Cortical Connectivity Estimation from Noninvasive, High-Resolution EEG Recordings. Journal of Psychophysiology, 2010, 24, 83-90.	0.3	12
32	A Neuroelectrical Brain Imaging Study on the Perception of Figurative Paintings against Only their Color or Shape Contents. Frontiers in Human Neuroscience, 2017, 11, 378.	1.0	10
33	REDUNDANCY IN FUNCTIONAL BRAIN CONNECTIVITY FROM EEG RECORDINGS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2012, 22, 1250158.	0.7	8
34	Robust anticipation of continuous steering actions from electroencephalographic data during simulated driving. Scientific Reports, 2021, 11, 23383.	1.6	8
35	Neuroelectrical imaging investigation of cortical activity during listening to music in prelingually deaf children with cochlear implants. International Journal of Pediatric Otorhinolaryngology, 2014, 78, 737-743.	0.4	7
36	Patterns of cortical activity during the observation of Public Service Announcements and commercial advertisings. Nonlinear Biomedical Physics, 2010, 4, S3.	1.5	6

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37	Investigation on the pleasantness of music perception in monolateral and bilateral cochlear implant users by using neuroelectrical source imaging: A pilot study. , 2011, 2011, 8110-3.		5
38	Brain-based control of car infotainment. , 2019, , .		5
39	Alpha and Beta EEG Desynchronizations Anticipate Steering Actions in a Driving Simulation Experiment. Advances in Intelligent Systems and Computing, 2020, , 260-265.	0.5	5
40	The study of memorization index based on W-GFP during the observation of TV commercials. , 2012, , .		4
41	Different Perception of Musical Stimuli in Patients with Monolateral and Bilateral Cochlear Implants. Computational and Mathematical Methods in Medicine, 2014, 2014, 1-7.	0.7	4
42	The first impression is what matters: a neuroaesthetic study of the cerebral perception and appreciation of paintings by Titian. , 2015, 2015, 7990-3.		4
43	On the Use of Cognitive Neuroscience in Industrial Applications by Using Neuroelectromagnetic Recordings. Advances in Cognitive Neurodynamics, 2015, , 31-37.	0.1	4
44	Hybrid Systems to Boost EEG-Based Real-Time Action Decoding in Car Driving Scenarios. Frontiers in Neuroergonomics, 2021, 2, .	0.6	4
45	Validation of a Novel Wearable Multistream Data Acquisition and Analysis System for Ergonomic Studies. Sensors, 2021, 21, 8167.	2.1	4
46	Spatio-temporal dynamics of interictal activity in musicogenic epilepsy: Two case reports and a systematic review of the literature. Clinical Neurophysiology, 2020, 131, 2393-2401.	0.7	3
47	EEG-EMG coupling as a hybrid method for steering detection in car driving settings. Cognitive Neurodynamics, 2022, 16, 987-1002.	2.3	3
48	Neuroelectrical imaging study of music perception by children with unilateral and bilateral cochlear implants. Cochlear Implants International, 2014, 15, S68-S71.	0.5	1
49	Understanding Cerebral Activations during the Observation of Marketing Stimuli: A Neuroelectrical Perspective. Communications in Computer and Information Science, 2013, , 273-281.	0.4	0