

# Michel J A M Van Putten

## List of Publications by Year in descending order

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191  
papers

7,843  
citations

50276

46  
h-index

71685

76  
g-index

206  
all docs

206  
docs citations

206  
times ranked

7421  
citing authors

#	ARTICLE	IF	CITATIONS
1	American Clinical Neurophysiology Society's Standardized Critical Care EEG Terminology: 2021 Version. <i>Journal of Clinical Neurophysiology</i> , 2021, 38, 1-29.	1.7	370
2	A revised glossary of terms most commonly used by clinical electroencephalographers and updated proposal for the report format of the EEG findings. Revision 2017. <i>Clinical Neurophysiology Practice</i> , 2017, 2, 170-185.	1.4	303
3	Continuous electroencephalography monitoring for early prediction of neurological outcome in postanoxic patients after cardiac arrest. <i>Critical Care Medicine</i> , 2012, 40, 2867-2875.	0.9	244
4	EEG in ischaemic stroke: Quantitative EEG can uniquely inform (sub-)acute prognoses and clinical management. <i>Clinical Neurophysiology</i> , 2013, 124, 10-19.	1.5	219
5	Ischemic Cerebral Damage. <i>Stroke</i> , 2012, 43, 607-615.	2.0	215
6	Early EEG contributes to multimodal outcome prediction of postanoxic coma. <i>Neurology</i> , 2015, 85, 137-143.	1.1	197
7	Frontal alpha asymmetry as a diagnostic marker in depression: Fact or fiction? A meta-analysis. <i>NeuroImage: Clinical</i> , 2017, 16, 79-87.	2.7	189
8	Continuous Quantitative EEG Monitoring in Hemispheric Stroke Patients Using the Brain Symmetry Index. <i>Stroke</i> , 2004, 35, 2489-2492.	2.0	181
9	Burst-suppression with identical bursts: A distinct EEG pattern with poor outcome in postanoxic coma. <i>Clinical Neurophysiology</i> , 2014, 125, 947-954.	1.5	171
10	Masking the Auditory Evoked Potential in TMSâ€“EEG: A Comparison of Various Methods. <i>Brain Topography</i> , 2015, 28, 520-528.	1.8	158
11	Predicting sex from brain rhythms with deep learning. <i>Scientific Reports</i> , 2018, 8, 3069.	3.3	141
12	Early electroencephalography for outcome prediction of postanoxic coma: A prospective cohort study. <i>Annals of Neurology</i> , 2019, 86, 203-214.	5.3	120
13	Quantitative EEG in ischemic stroke: Correlation with functional status after 6months. <i>Clinical Neurophysiology</i> , 2011, 122, 874-883.	1.5	119
14	Dynamic indices do not predict volume responsiveness in routine clinical practice. <i>British Journal of Anaesthesia</i> , 2012, 108, 395-401.	3.4	116
15	Standards of instrumentation of EMG. <i>Clinical Neurophysiology</i> , 2020, 131, 243-258.	1.5	109
16	Reproducibility and clinical relevance of quantitative EEG parameters in cerebral ischemia: A basic approach. <i>Clinical Neurophysiology</i> , 2009, 120, 845-855.	1.5	102
17	The revised brain symmetry index. <i>Clinical Neurophysiology</i> , 2007, 118, 2362-2367.	1.5	101
18	Timeâ€“frequency analysis of single pulse electrical stimulation to assist delineation of epileptogenic cortex. <i>Brain</i> , 2011, 134, 2855-2866.	7.6	100

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19	Deep learning for detection of focal epileptiform discharges from scalp EEG recordings. <i>Clinical Neurophysiology</i> , 2018, 129, 2191-2196.	1.5	99
20	EEG in postanoxic coma: Prognostic and diagnostic value. <i>Clinical Neurophysiology</i> , 2016, 127, 2047-2055.	1.5	92
21	A brain symmetry index (BSI) for online EEG monitoring in carotid endarterectomy. <i>Clinical Neurophysiology</i> , 2004, 115, 1189-1194.	1.5	91
22	High frequency oscillations in intra-operative electrocorticography before and after epilepsy surgery. <i>Clinical Neurophysiology</i> , 2014, 125, 2212-2219.	1.5	81
23	Electroencephalogram Predicts Outcome in Patients With Postanoxic Coma During Mild Therapeutic Hypothermia*. <i>Critical Care Medicine</i> , 2015, 43, 159-167.	0.9	79
24	Continuous EEG Monitoring for Early Detection of Delayed Cerebral Ischemia in Subarachnoid Hemorrhage: A Pilot Study. <i>Neurocritical Care</i> , 2016, 24, 207-216.	2.4	79
25	Motor unit number index (MUNIX) versus motor unit number estimation (MUNE): A direct comparison in a longitudinal study of ALS patients. <i>Clinical Neurophysiology</i> , 2012, 123, 1644-1649.	1.5	77
26	Early EEG for outcome prediction of postanoxic coma: prospective cohort study with cost-minimization analysis. <i>Critical Care</i> , 2017, 21, 111.	5.8	75
27	Thalamo-cortical mechanisms underlying changes in amplitude and frequency of human alpha oscillations. <i>NeuroImage</i> , 2013, 70, 150-163.	4.2	73
28	Mechanical Ventilationâ€“Induced Intrathoracic Pressure Distribution and Heart-Lung Interactions*. <i>Critical Care Medicine</i> , 2014, 42, 1983-1990.	0.9	73
29	Detecting temporal lobe seizures from scalp EEG recordings: A comparison of various features. <i>Clinical Neurophysiology</i> , 2005, 116, 2480-2489.	1.5	72
30	Meanfield modeling of propofol-induced changes in spontaneous EEG rhythms. <i>NeuroImage</i> , 2012, 60, 2323-2334.	4.2	70
31	A Cerebral Recovery Index (CRI) for early prognosis in patients after cardiac arrest. <i>Critical Care</i> , 2013, 17, R252.	5.8	69
32	Generalized epileptiform discharges in postanoxic encephalopathy: Quantitative characterization in relation to outcome. <i>Epilepsia</i> , 2015, 56, 1845-1854.	5.1	69
33	Treating Rhythmic and Periodic EEG Patterns in Comatose Survivors of Cardiac Arrest. <i>New England Journal of Medicine</i> , 2022, 386, 724-734.	27.0	69
34	Continuous EEG Monitoring During Thrombolysis in Acute Hemispheric Stroke Patients Using the Brain Symmetry Index. <i>Journal of Clinical Neurophysiology</i> , 2008, 25, 77-82.	1.7	67
35	Mobile EEG in epilepsy. <i>International Journal of Psychophysiology</i> , 2014, 91, 30-35.	1.0	67
36	Differential cortical activation during observation and observation-and-imagination. <i>Experimental Brain Research</i> , 2013, 229, 337-345.	1.5	61

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37	Treatment of electroencephalographic status epilepticus after cardiopulmonary resuscitation (TELSTAR): study protocol for a randomized controlled trial. <i>Trials</i> , 2014, 15, 433.	1.6	61
38	The postictal state—What do we know?. <i>Epilepsia</i> , 2020, 61, 1045-1061.	5.1	58
39	Reduction of TMS Induced Artifacts in EEG Using Principal Component Analysis. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2013, 21, 376-382.	4.9	57
40	EEG Monitoring in Cerebral Ischemia. <i>Journal of Clinical Neurophysiology</i> , 2016, 33, 203-210.	1.7	57
41	Intra-cortical propagation of EEG alpha oscillations. <i>NeuroImage</i> , 2014, 103, 444-453.	4.2	56
42	Neural Dynamics during Anoxia and the “Wave of Death”. <i>PLoS ONE</i> , 2011, 6, e22127.	2.5	55
43	A Biophysical Model for Cytotoxic Cell Swelling. <i>Journal of Neuroscience</i> , 2016, 36, 11881-11890.	3.6	55
44	Silicon thermal anemometry: developments and applications. <i>Measurement Science and Technology</i> , 1996, 7, 1360-1377.	2.6	54
45	Electroencephalographic reactivity as predictor of neurological outcome in postanoxic coma: A multicenter prospective cohort study. <i>Annals of Neurology</i> , 2019, 86, 17-27.	5.3	54
46	Generalized periodic discharges: Pathophysiology and clinical considerations. <i>Epilepsy and Behavior</i> , 2015, 49, 228-233.	1.7	53
47	Quantification of EEG reactivity in comatose patients. <i>Clinical Neurophysiology</i> , 2016, 127, 571-580.	1.5	51
48	Generalized periodic discharges after acute cerebral ischemia: Reflection of selective synaptic failure?. <i>Clinical Neurophysiology</i> , 2014, 125, 255-262.	1.5	50
49	Single Pulse Electrical Stimulation to identify epileptogenic cortex: Clinical information obtained from early evoked responses. <i>Clinical Neurophysiology</i> , 2016, 127, 1088-1098.	1.5	50
50	Machine learning for detection of interictal epileptiform discharges. <i>Clinical Neurophysiology</i> , 2021, 132, 1433-1443.	1.5	50
51	Extended BSI for continuous EEG monitoring in carotid endarterectomy. <i>Clinical Neurophysiology</i> , 2006, 117, 2661-2666.	1.5	49
52	Cerebral Recovery Index: Reliable Help for Prediction of Neurologic Outcome After Cardiac Arrest. <i>Critical Care Medicine</i> , 2017, 45, e789-e797.	0.9	49
53	A novel approach for computer assisted EEG monitoring in the adult ICU. <i>Clinical Neurophysiology</i> , 2011, 122, 2100-2109.	1.5	47
54	Inter-ictal spike detection using a database of smart templates. <i>Clinical Neurophysiology</i> , 2013, 124, 2328-2335.	1.5	47

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55	Propofol does not affect the reliability of early EEG for outcome prediction of comatose patients after cardiac arrest. <i>Clinical Neurophysiology</i> , 2019, 130, 1263-1270.	1.5	46
56	Outcome Prediction in Postanoxic Coma With Deep Learning*. <i>Critical Care Medicine</i> , 2019, 47, 1424-1432.	0.9	46
57	Quetiapine in Overdosage. <i>Therapeutic Drug Monitoring</i> , 2006, 28, 185-189.	2.0	45
58	Cross-scale effects of neural interactions during human neocortical seizure activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 10761-10766.	7.1	45
59	The N20 in post-anoxic coma: Are you listening?. <i>Clinical Neurophysiology</i> , 2012, 123, 1460-1464.	1.5	43
60	Mild hypoxia affects synaptic connectivity in cultured neuronal networks. <i>Brain Research</i> , 2014, 1557, 180-189.	2.2	43
61	The prognostic value of discontinuous EEG patterns in postanoxic coma. <i>Clinical Neurophysiology</i> , 2018, 129, 1534-1543.	1.5	43
62	Predicting outcome in patients with moderate to severe traumatic brain injury using electroencephalography. <i>Critical Care</i> , 2019, 23, 401.	5.8	42
63	Detecting abnormal electroencephalograms using deep convolutional networks. <i>Clinical Neurophysiology</i> , 2019, 130, 77-84.	1.5	40
64	Why Are Sensory Axons More Vulnerable for Ischemia than Motor Axons?. <i>PLoS ONE</i> , 2013, 8, e67113.	2.5	38
65	Detecting Cortical Spreading Depolarization with Full Band Scalp Electroencephalography: An Illusion?. <i>Frontiers in Neurology</i> , 2018, 9, 17.	2.4	38
66	Application of a neural complexity measure to multichannel EEG. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2001, 281, 131-141.	2.1	37
67	Nearest Neighbor Phase Synchronization as a Measure to Detect Seizure Activity from Scalp EEG Recordings. <i>Journal of Clinical Neurophysiology</i> , 2003, 20, 320-325.	1.7	36
68	Quantification of the adult EEG background pattern. <i>Clinical Neurophysiology</i> , 2013, 124, 228-237.	1.5	36
69	Reliability and Agreement of Intramuscular Coherence in Tibialis Anterior Muscle. <i>PLoS ONE</i> , 2014, 9, e88428.	2.5	36
70	Poor motor function is associated with reduced sensory processing after stroke. <i>Experimental Brain Research</i> , 2015, 233, 1339-1349.	1.5	36
71	Postmortem histopathology of electroencephalography and evoked potentials in postanoxic coma. <i>Resuscitation</i> , 2019, 134, 26-32.	3.0	36
72	Automated EEG analysis: Characterizing the posterior dominant rhythm. <i>Journal of Neuroscience Methods</i> , 2011, 200, 86-93.	2.5	35

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73	Importance of baseline in event-related desynchronization during a combination task of motor imagery and motor observation. <i>Journal of Neural Engineering</i> , 2013, 10, 026009.	3.5	35
74	Progression of Neuronal Damage in an In Vitro Model of the Ischemic Penumbra. <i>PLoS ONE</i> , 2016, 11, e0147231.	2.5	34
75	Effects of targeted temperature management at 33°C vs. 36°C on comatose patients after cardiac arrest stratified by the severity of encephalopathy. <i>Resuscitation</i> , 2022, 173, 147-153.	3.0	34
76	How does spreading depression spread? Physiology and modeling. <i>Reviews in the Neurosciences</i> , 2015, 26, 183-98.	2.9	33
77	Unstandardized Treatment of Electroencephalographic Status Epilepticus Does Not Improve Outcome of Comatose Patients after Cardiac Arrest. <i>Frontiers in Neurology</i> , 2014, 5, 39.	2.4	32
78	Temporal evolution of event-related desynchronization in acute stroke: A pilot study. <i>Clinical Neurophysiology</i> , 2014, 125, 1112-1120.	1.5	31
79	Quantification of growth patterns of screen-detected lung cancers: The NELSON study. <i>Lung Cancer</i> , 2017, 108, 48-54.	2.0	31
80	A Self-Adapting System for the Automated Detection of Inter-Ictal Epileptiform Discharges. <i>PLoS ONE</i> , 2014, 9, e85180.	2.5	30
81	Event-related mu-rhythm desynchronization during movement observation is impaired in Parkinson's disease. <i>Clinical Neurophysiology</i> , 2014, 125, 1819-1825.	1.5	30
82	The enteric nervous system and the musculature of the colon are altered in patients with spina bifida and spinal cord injury. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2017, 470, 175-184.	2.8	29
83	The revised Cerebral Recovery Index improves predictions of neurological outcome after cardiac arrest. <i>Clinical Neurophysiology</i> , 2018, 129, 2557-2566.	1.5	29
84	Resting Motor Threshold, MEP and TEP Variability During Daytime. <i>Brain Topography</i> , 2019, 32, 17-27.	1.8	28
85	Synaptic damage underlies EEG abnormalities in postanoxic encephalopathy: A computational study. <i>Clinical Neurophysiology</i> , 2017, 128, 1682-1695.	1.5	27
86	Quantifying connectivity via efferent and afferent pathways in motor control using coherence measures and joint position perturbations. <i>Experimental Brain Research</i> , 2013, 228, 141-153.	1.5	26
87	Single and paired pulse transcranial magnetic stimulation in drug naïve epilepsy. <i>Clinical Neurophysiology</i> , 2016, 127, 3140-3155.	1.5	26
88	Uncommon EEG burst-suppression in severe postanoxic encephalopathy. <i>Clinical Neurophysiology</i> , 2010, 121, 1213-1219.	1.5	25
89	Predicting success of vagus nerve stimulation (VNS) from interictal EEG. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2011, 20, 541-545.	2.0	25
90	Increased gamma and decreased fast ripple connections of epileptic tissue: A high-frequency directed network approach. <i>Epilepsia</i> , 2019, 60, 1908-1920.	5.1	25

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91	Stability of frontal alpha asymmetry in depressed patients during antidepressant treatment. <i>NeuroImage: Clinical</i> , 2019, 24, 102056.	2.7	25
92	Single dose of fluoxetine increases muscle activation in chronic stroke patients. <i>Clinical Neuropharmacology</i> , 2009, 32, 1-5.	0.7	25
93	In vivo analysis of end-plate noise of human extensor digitorum brevis muscle after intramuscularly injected botulinum toxin type A. <i>Muscle and Nerve</i> , 2002, 26, 784-790.	2.2	24
94	Dysregulation of Astrocyte Ion Homeostasis and Its Relevance for Stroke-Induced Brain Damage. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5679.	4.1	24
95	Loss and recovery of functional connectivity in cultured cortical networks exposed to hypoxia. <i>Journal of Neurophysiology</i> , 2017, 118, 394-403.	1.8	23
96	Contralesional Brain Activity in Acute Ischemic Stroke. <i>Cerebrovascular Diseases</i> , 2018, 45, 85-92.	1.7	23
97	Accurate Coil Positioning is Important for Single and Paired Pulse TMS on the Subject Level. <i>Brain Topography</i> , 2018, 31, 917-930.	1.8	23
98	Diffusing Substances during Spreading Depolarization: Analytical Expressions for Propagation Speed, Triggering, and Concentration Time Courses. <i>Journal of Neuroscience</i> , 2013, 33, 5915-5923.	3.6	22
99	The Colorful Brain: Visualization of EEG Background Patterns. <i>Journal of Clinical Neurophysiology</i> , 2008, 25, 63-68.	1.7	21
100	EEG reactivity testing for prediction of good outcome in patients after cardiac arrest. <i>Neurology</i> , 2020, 95, e653-e661.	1.1	21
101	Is the EEG really "chaotic" in hypsarrhythmia. <i>IEEE Engineering in Medicine and Biology Magazine</i> , 2001, 20, 72-79.	0.8	20
102	Proposed link rates in the human brain. <i>Journal of Neuroscience Methods</i> , 2003, 127, 1-10.	2.5	20
103	EEG in Silent Small Vessel Disease. <i>Journal of Clinical Neurophysiology</i> , 2013, 30, 178-187.	1.7	20
104	The effect of vagus nerve stimulation on cardiorespiratory parameters during rest and exercise. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2015, 33, 24-28.	2.0	20
105	Can we learn from hidden mistakes? Self-fulfilling prophecy and responsible neuroprognostic innovation. <i>Journal of Medical Ethics</i> , 2022, 48, 922-928.	1.8	20
106	Glial Chloride Homeostasis Under Transient Ischemic Stress. <i>Frontiers in Cellular Neuroscience</i> , 2021, 15, 735300.	3.7	20
107	A silicon bidirectional flow sensor for measuring respiratory flow. <i>IEEE Transactions on Biomedical Engineering</i> , 1997, 44, 205-208.	4.2	19
108	Single Dose of Fluoxetine Increases Muscle Activation in Chronic Stroke Patients. <i>Clinical Neuropharmacology</i> , 2009, 32, 1-5.	0.7	19

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109	Infraslow EEG activity modulates cortical excitability in postanoxic encephalopathy. <i>Journal of Neurophysiology</i> , 2015, 113, 3256-3267.	1.8	19
110	Predicting Outcome in Postanoxic Coma. <i>Journal of Clinical Neurophysiology</i> , 2017, 34, 207-212.	1.7	19
111	Neuroprotective effect of hypoxic preconditioning and neuronal activation in a in vitro human model of the ischemic penumbra. <i>Journal of Neural Engineering</i> , 2021, 18, 036016.	3.5	19
112	Efficient use of clinical EEG data for deep learning in epilepsy. <i>Clinical Neurophysiology</i> , 2021, 132, 1234-1240.	1.5	19
113	Comparing Epileptiform Behavior of Mesoscale Detailed Models and Population Models of Neocortex. <i>Journal of Clinical Neurophysiology</i> , 2010, 27, 471-478.	1.7	18
114	Subcortical Vascular Cognitive Impairment, No Dementia. <i>Journal of Clinical Neurophysiology</i> , 2014, 31, 422-428.	1.7	18
115	Intensive care unit depth of sleep: proof of concept of a simple electroencephalography index in the non-sedated. <i>Critical Care</i> , 2014, 18, R66.	5.8	18
116	Relevance of Somatosensory Evoked Potential Amplitude After Cardiac Arrest. <i>Frontiers in Neurology</i> , 2020, 11, 335.	2.4	18
117	Reduced Synaptic Vesicle Recycling during Hypoxia in Cultured Cortical Neurons. <i>Frontiers in Cellular Neuroscience</i> , 2017, 11, 32.	3.7	17
118	Association between somatosensory evoked potentials and EEG in comatose patients after cardiac arrest. <i>Clinical Neurophysiology</i> , 2019, 130, 2026-2031.	1.5	17
119	Single neuron dynamics during experimentally induced anoxic depolarization. <i>Journal of Neurophysiology</i> , 2013, 110, 1469-1475.	1.8	16
120	A neural mass model based on single cell dynamics to model pathophysiology. <i>Journal of Computational Neuroscience</i> , 2014, 37, 549-568.	1.0	16
121	Classification of motor imagery performance in acute stroke. <i>Journal of Neural Engineering</i> , 2014, 11, 036001.	3.5	16
122	Early TMS evoked potentials in epilepsy: A pilot study. <i>Clinical Neurophysiology</i> , 2016, 127, 3025-3032.	1.5	16
123	Long-interval intracortical inhibition as biomarker for epilepsy: a transcranial magnetic stimulation study. <i>Brain</i> , 2018, 141, 409-421.	7.6	16
124	Absence epilepsy: Characteristics, pathophysiology, attention impairments, and the related risk of accidents. A narrative review. <i>Epilepsy and Behavior</i> , 2020, 112, 107342.	1.7	16
125	Full additive drift elimination in vector sensors using the alternating direction method (ADM). <i>Sensors and Actuators A: Physical</i> , 1994, 44, 13-17.	4.1	15
126	Thermal flow measurements at Gr/Re/sup 2/â%«1 by silicon anemometry. <i>IEEE Transactions on Instrumentation and Measurement</i> , 1999, 48, 724-729.	4.7	15



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127	BIPLEDs in akinetic mutism caused by bilateral anterior cerebral artery infarction. <i>Clinical Neurophysiology</i> , 2001, 112, 1726-1728.	1.5	15
128	Evolution of Excitationâ€“Inhibition Ratio in Cortical Cultures Exposed to Hypoxia. <i>Frontiers in Cellular Neuroscience</i> , 2018, 12, 183.	3.7	15
129	Mild stimulation improves neuronal survival in an in vitro model of the ischemic penumbra. <i>Journal of Neural Engineering</i> , 2020, 17, 016001.	3.5	15
130	Computer-Assisted Interpretation of the EEG Background Pattern: A Clinical Evaluation. <i>PLoS ONE</i> , 2014, 9, e85966.	2.5	15
131	Multisensor microsystem for pulmonary function diagnostics. <i>IEEE Sensors Journal</i> , 2002, 2, 636-643.	4.7	14
132	Transcranial magnetic stimulation as a biomarker for epilepsy. <i>Brain</i> , 2017, 140, e18-e18.	7.6	14
133	Infraslow activity as a potential modulator of corticomotor excitability. <i>Journal of Neurophysiology</i> , 2019, 122, 325-335.	1.8	14
134	Spatiotemporal Dynamics of Single and Paired Pulse TMS-EEG Responses. <i>Brain Topography</i> , 2020, 33, 425-437.	1.8	14
135	Ion dynamics at the energy-deprived tripartite synapse. <i>PLoS Computational Biology</i> , 2021, 17, e1009019.	3.2	14
136	Stretch Evoked Potentials in Healthy Subjects and After Stroke: A Potential Measure for Proprioceptive Sensorimotor Function. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2015, 23, 643-654.	4.9	13
137	Diagnostic decision-making after a first and recurrent seizure in adults. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2013, 22, 507-511.	2.0	12
138	Small-World Characteristics of EEG Patterns in Post-Anoxic Encephalopathy. <i>Frontiers in Neurology</i> , 2014, 5, 97.	2.4	12
139	Acyl Ghrelin Improves Synapse Recovery in an In Vitro Model of Postanoxic Encephalopathy. <i>Molecular Neurobiology</i> , 2016, 53, 6136-6143.	4.0	12
140	Repeatability of long intracortical inhibition in healthy subjects. <i>Clinical Neurophysiology Practice</i> , 2017, 2, 26-34.	1.4	12
141	EEG functional connectivity contributes to outcome prediction of postanoxic coma. <i>Clinical Neurophysiology</i> , 2021, 132, 1312-1320.	1.5	12
142	Predicting neurological outcome in comatose patients after cardiac arrest with multiscale deep neural networks. <i>Resuscitation</i> , 2021, 169, 86-94.	3.0	12
143	Analysis of stability and bifurcations of fixed points and periodic solutions of a lumped model of neocortex with two delays. <i>Journal of Mathematical Neuroscience</i> , 2012, 2, 8.	2.4	11
144	Severely Disturbed Sleep in Patients With Acute Ischemic Stroke on Stroke Units: A Pilot Study. <i>Frontiers in Neurology</i> , 2019, 10, 1109.	2.4	11

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145	Deep Learning for Interictal Epileptiform Discharge Detection from Scalp EEG Recordings. IFMBE Proceedings, 2020, , 1984-1997.	0.3	11
146	Predicting Neurological Outcome From Electroencephalogram Dynamics in Comatose Patients After Cardiac Arrest With Deep Learning. IEEE Transactions on Biomedical Engineering, 2022, 69, 1813-1825.	4.2	11
147	Discovery of recurrent multiple brain states in non-convulsive status epilepticus. Clinical Neurophysiology, 2007, 118, 2798-2804.	1.5	10
148	Evaluation of the finger wrinkling test: a pilot study. Clinical Autonomic Research, 2010, 20, 249-253.	2.5	10
149	Quantitative electroencephalography in a swine model of cerebral arterial gas embolism. Clinical Neurophysiology, 2012, 123, 411-417.	1.5	10
150	Disruption of Brain-Heart Coupling in Sepsis. Journal of Clinical Neurophysiology, 2017, 34, 413-420.	1.7	10
151	Behavioral measures and EEG monitoring using the Brain Symmetry Index during the Wada test in children. Epilepsy and Behavior, 2012, 23, 247-253.	1.7	7
152	ADARRI: a novel method to detect spurious R-peaks in the electrocardiogram for heart rate variability analysis in the intensive care unit. Journal of Clinical Monitoring and Computing, 2018, 32, 53-61.	1.6	7
153	Delirium after cardiac arrest: Phenotype, prediction, and outcome. Resuscitation, 2020, 151, 43-49.	3.0	7
154	Seizures induced in electroconvulsive therapy as a human epilepsy model: A comparative case study. Epilepsia Open, 2021, 6, 672-684.	2.4	7
155	Deep Learning for outcome prediction of postanoxic coma. IFMBE Proceedings, 2018, , 506-509.	0.3	7
156	Facing drift: a comparison of three methods. Sensors and Actuators A: Physical, 2001, 90, 172-180.	4.1	6
157	Outcome prediction in postanoxic coma with electroencephalography: The sooner the better. Resuscitation, 2015, 91, e1-e2.	3.0	6
158	Transcranial magnetic stimulation as biomarker of excitability in drug development: A randomized, double-blind, placebo-controlled, cross-over study. British Journal of Clinical Pharmacology, 2022, 88, 2926-2937.	2.4	6
159	An Uncommon Cause of Stroke in Young Adults. Archives of Neurology, 1999, 56, 1018.	4.5	5
160	Suppressors of interictal discharges in idiopathic childhood occipital epilepsy of Gastaut. Epilepsy and Behavior, 2012, 25, 189-191.	1.7	5
161	Outcome Prediction of Postanoxic Coma: A Comparison of Automated Electroencephalography Analysis Methods. Neurocritical Care, 2022, , 1.	2.4	5
162	Study of effect of nimodipine and acetaminophen on postictal symptoms in depressed patients after electroconvulsive therapy (SYNAPSE). Trials, 2022, 23, 324.	1.6	5

#	ARTICLE	IF	CITATIONS
163	Multiple-sensor micro-system for pulmonary function diagnostics for COPD and asthma patients. , 0, , .		4
164	Neural mass modeling for predicting seizures. <i>Clinical Neurophysiology</i> , 2014, 125, 867-868.	1.5	4
165	A Technique for the Estimation of Plasma Flow in Single Capillaries Using Photobleached Dyes. <i>Microvascular Research</i> , 1993, 46, 263-282.	2.5	3
166	Phase-locking of epileptic spikes to ongoing delta oscillations in non-convulsive status epilepticus. <i>Frontiers in Systems Neuroscience</i> , 2013, 7, 111.	2.5	3
167	Early Electroencephalography Dynamics After Cardiac Arrest. <i>Critical Care Medicine</i> , 2017, 45, e1093.	0.9	3
168	The Association between Hypoxia-Induced Low Activity and Apoptosis Strongly Resembles That between TTX-Induced Silencing and Apoptosis. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2754.	4.1	3
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