Michel J A M Van Putten

List of Publications by Year
in descending order

191	7,843	50276	71685
papers	citations	46 h-index	76 g-index

206	206	206	7421
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Can we learn from hidden mistakes? Self-fulfilling prophecy and responsible neuroprognostic innovation. Journal of Medical Ethics, 2022, 48, 922-928.	1.8	20
2	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
3	Transcranial magnetic stimulation as biomarker of excitability in drug development: A randomized, doubleâ€blind, placeboâ€controlled, crossâ€over study. British Journal of Clinical Pharmacology, 2022, 88, 2926-2937.	2.4	6
4	Effects of targeted temperature management at 33ÂÂ°C vs. 36ÂÂ°C on comatose patients after cardiac arrest stratified by the severity of encephalopathy. Resuscitation, 2022, 173, 147-153.	3.0	34
5	Treating Rhythmic and Periodic EEG Patterns in Comatose Survivors of Cardiac Arrest. New England Journal of Medicine, 2022, 386, 724-734.	27.0	69
6	Outcome Prediction of Postanoxic Coma: A Comparison of Automated Electroencephalography Analysis Methods. Neurocritical Care, 2022, , 1.	2.4	5
7	The Association between Hypoxia-Induced Low Activity and Apoptosis Strongly Resembles That between TTX-Induced Silencing and Apoptosis. International Journal of Molecular Sciences, 2022, 23, 2754.	4.1	3
8	Study of effect of nimodipine and acetaminophen on postictal symptoms in depressed patients after electroconvulsive therapy (SYNAPSE). Trials, 2022, 23, 324.	1.6	5
9	American Clinical Neurophysiology Society's Standardized Critical Care EEG Terminology: 2021 Version. Journal of Clinical Neurophysiology, 2021, 38, 1-29.	1.7	370
10	Neuroprotective effect of hypoxic preconditioning and neuronal activation in a in vitro human model of the ischemic penumbra. Journal of Neural Engineering, 2021, 18, 036016.	3.5	19
11	Dysregulation of Astrocyte Ion Homeostasis and Its Relevance for Stroke-Induced Brain Damage. International Journal of Molecular Sciences, 2021, 22, 5679.	4.1	24
12	Ion dynamics at the energy-deprived tripartite synapse. PLoS Computational Biology, 2021, 17, e1009019.	3.2	14
13	EEG functional connectivity contributes to outcome prediction of postanoxic coma. Clinical Neurophysiology, 2021, 132, 1312-1320.	1.5	12
14	Efficient use of clinical EEG data for deep learning in epilepsy. Clinical Neurophysiology, 2021, 132, 1234-1240.	1.5	19
15	Machine learning for detection of interictal epileptiform discharges. Clinical Neurophysiology, 2021, 132, 1433-1443.	1.5	50
16	Seizures induced in electroconvulsive therapy as a human epilepsy model: A comparative case study. Epilepsia Open, 2021, 6, 672-684.	2.4	7
17	Glial Chloride Homeostasis Under Transient Ischemic Stress. Frontiers in Cellular Neuroscience, 2021, 15, 735300.	3.7	20
18	Predicting neurological outcome in comatose patients after cardiac arrest with multiscale deep neural networks. Resuscitation, 2021, 169, 86-94.	3.0	12

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19	Mild stimulation improves neuronal survival in an in vitro model of the ischemic penumbra. Journal of Neural Engineering, 2020, 17, 016001.	3.5	15
20	Standards of instrumentation of EMG. Clinical Neurophysiology, 2020, 131, 243-258.	1.5	109
21	EEG reactivity testing for prediction of good outcome in patients after cardiac arrest. Neurology, 2020, 95, e653-e661.	1.1	21
22	Absence epilepsy: Characteristics, pathophysiology, attention impairments, and the related risk of accidents. A narrative review. Epilepsy and Behavior, 2020, 112, 107342.	1.7	16
23	The postictal stateÂâ€”ÂWhat do we know?. Epilepsia, 2020, 61, 1045-1061.	5.1	58
24	Spatiotemporal Dynamics of Single and Paired Pulse TMS-EEG Responses. Brain Topography, 2020, 33, 425-437.	1.8	14
25	Relevance of Somatosensory Evoked Potential Amplitude After Cardiac Arrest. Frontiers in Neurology, 2020, 11, 335.	2.4	18
26	Delirium after cardiac arrest: Phenotype, prediction, and outcome. Resuscitation, 2020, 151, 43-49.	3.0	7
27	Deep Learning for Interictal Epileptiform Discharge Detection from Scalp EEG Recordings. IFMBE Proceedings, 2020, , 1984-1997.	0.3	11
28	Resting Motor Threshold, MEP and TEP Variability During Daytime. Brain Topography, 2019, 32, 17-27.	1.8	28
29	Simulating perinodal changes observed in immune-mediated neuropathies: impact on conduction in a model of myelinated motor and sensory axons. Journal of Neurophysiology, 2019, 122, 1036-1049.	1.8	2
30	Increased gamma and decreased fast ripple connections of epileptic tissue: A highâ€frequency directed network approach. Epilepsia, 2019, 60, 1908-1920.	5.1	25
31	Reply to â€œearly electroencephalogram for neurologic prognostication: A selfâ€fulfilling prophecy?â€. Annals of Neurology, 2019, 86, 474-474.	5.3	2
32	Stability of frontal alpha asymmetry in depressed patients during antidepressant treatment. NeuroImage: Clinical, 2019, 24, 102056.	2.7	25
33	Severely Disturbed Sleep in Patients With Acute Ischemic Stroke on Stroke Units: A Pilot Study. Frontiers in Neurology, 2019, 10, 1109.	2.4	11
34	Association between somatosensory evoked potentials and EEG in comatose patients after cardiac arrest. Clinical Neurophysiology, 2019, 130, 2026-2031.	1.5	17
35	Electroencephalographic reactivity as predictor of neurological outcome in postanoxic coma: A multicenter prospective cohort study. Annals of Neurology, 2019, 86, 17-27.	5.3	54
36	Infraslow activity as a potential modulator of corticomotor excitability. Journal of Neurophysiology, 2019, 122, 325-335.	1.8	14

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37	Early electroencephalography for outcome prediction of postanoxic coma: A prospective cohort study. Annals of Neurology, 2019, 86, 203-214.	5.3	120
38	Propofol does not affect the reliability of early EEG for outcome prediction of comatose patients after cardiac arrest. Clinical Neurophysiology, 2019, 130, 1263-1270.	1.5	46
39	Predicting outcome in patients with moderate to severe traumatic brain injury using electroencephalography. Critical Care, 2019, 23, 401.	5.8	42
40	Outcome Prediction in Postanoxic Coma With Deep Learning*. Critical Care Medicine, 2019, 47, 1424-1432.	0.9	46
41	Detecting abnormal electroencephalograms using deep convolutional networks. Clinical Neurophysiology, 2019, 130, 77-84.	1.5	40
42	Postmortem histopathology of electroencephalography and evoked potentials in postanoxic coma. Resuscitation, 2019, 134, 26-32.	3.0	36
43	Contralesional Brain Activity in Acute Ischemic Stroke. Cerebrovascular Diseases, 2018, 45, 85-92.	1.7	23
44	Predicting sex from brain rhythms with deep learning. Scientific Reports, 2018, 8, 3069.	3.3	141
45	Long-interval intracortical inhibition as biomarker for epilepsy: a transcranial magnetic stimulation study. Brain, 2018, 141, 409-421.	7.6	16
46	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
47	Evolution of Excitationâ€“Inhibition Ratio in Cortical Cultures Exposed to Hypoxia. Frontiers in Cellular Neuroscience, 2018, 12, 183.	3.7	15
48	The revised Cerebral Recovery Index improves predictions of neurological outcome after cardiac arrest. Clinical Neurophysiology, 2018, 129, 2557-2566.	1.5	29
49	S27. Outcome prediction in postanoxic coma with deep learning. Clinical Neurophysiology, 2018, 129, e152.	1.5	0
50	F72. Contralesional brain activity in acute ischemic stroke. Clinical Neurophysiology, 2018, 129, e93-e94.	1.5	0
51	Accurate Coil Positioning is Important for Single and Paired Pulse TMS on the Subject Level. Brain Topography, 2018, 31, 917-930.	1.8	23
52	Platform Session â€“ NIBS: Spatiotemporal dynamics of single and paired pulse TMS-EEG responses in healthy subjects. Clinical Neurophysiology, 2018, 129, e227.	1.5	0
53	Detecting Cortical Spreading Depolarization with Full Band Scalp Electroencephalography: An Illusion?. Frontiers in Neurology, 2018, 9, 17.	2.4	38
54	Deep learning for detection of focal epileptiform discharges from scalp EEG recordings. Clinical Neurophysiology, 2018, 129, 2191-2196.	1.5	99

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55	The prognostic value of discontinuous EEG patterns in postanoxic coma. Clinical Neurophysiology, 2018, 129, 1534-1543.	1.5	43
56	Deep Learning for outcome prediction of postanoxic coma. IFMBE Proceedings, 2018, , 506-509.	0.3	7
57	Detection of small traumatic hemorrhages using a computer-generated average human brain CT. Journal of Medical Imaging, 2018, 5, 1.	1.5	2
58	The enteric nervous system and the musculature of the colon are altered in patients with spina bifida and spinal cord injury. Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin, 2017, 470, 175-184.	2.8	29
59	Repeatability of long intracortical inhibition in healthy subjects. Clinical Neurophysiology Practice, 2017, 2, 26-34.	1.4	12
60	Loss and recovery of functional connectivity in cultured cortical networks exposed to hypoxia. Journal of Neurophysiology, 2017, 118, 394-403.	1.8	23
61	Predicting Outcome in Postanoxic Coma. Journal of Clinical Neurophysiology, 2017, 34, 207-212.	1.7	19
62	Disruption of Brainâ€“Heart Coupling in Sepsis. Journal of Clinical Neurophysiology, 2017, 34, 413-420.	1.7	10
63	Quantification of growth patterns of screen-detected lung cancers: The NELSON study. Lung Cancer, 2017, 108, 48-54.	2.0	31
64	Early Electroencephalography Dynamics After Cardiac Arrest. Critical Care Medicine, 2017, 45, e1093.	0.9	3
65	Cross-scale effects of neural interactions during human neocortical seizure activity. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 10761-10766.	7.1	45
66	Transcranial magnetic stimulation as a biomarker for epilepsy. Brain, 2017, 140, e18-e18.	7.6	14
67	Frontal alpha asymmetry as a diagnostic marker in depression: Fact or fiction? A meta-analysis. NeuroImage: Clinical, 2017, 16, 79-87.	2.7	189
68	A revised glossary of terms most commonly used by clinical electroencephalographers and updated proposal for the report format of the EEG findings. Revision 2017. Clinical Neurophysiology Practice, 2017, 2, 170-185.	1.4	303
69	Synaptic damage underlies EEG abnormalities in postanoxic encephalopathy: A computational study. Clinical Neurophysiology, 2017, 128, 1682-1695.	1.5	27
70	Cerebral Recovery Index: Reliable Help for Prediction of Neurologic Outcome After Cardiac Arrest. Critical Care Medicine, 2017, 45, e789-e797.	0.9	49
71	Early EEG for outcome prediction of postanoxic coma: prospective cohort study with cost-minimization analysis. Critical Care, 2017, 21, 111.	5.8	75
72	Reduced Synaptic Vesicle Recycling during Hypoxia in Cultured Cortical Neurons. Frontiers in Cellular Neuroscience, 2017, 11, 32.	3.7	17

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73	A Rate-Reduced Neuron Model for Complex Spiking Behavior. Journal of Mathematical Neuroscience, 2017, 7, 13.	2.4	1
74	EEG Monitoring in Cerebral Ischemia. Journal of Clinical Neurophysiology, 2016, 33, 203-210.	1.7	57
75	Stimulus induced bursts in severe postanoxic encephalopathy. Clinical Neurophysiology, 2016, 127, 3492-3497.	1.5	1
76	Early TMS evoked potentials in epilepsy: A pilot study. Clinical Neurophysiology, 2016, 127, 3025-3032.	1.5	16
77	Single and paired pulse transcranial magnetic stimulation in drug naÃ¯ve epilepsy. Clinical Neurophysiology, 2016, 127, 3140-3155.	1.5	26
78	A Biophysical Model for Cytotoxic Cell Swelling. Journal of Neuroscience, 2016, 36, 11881-11890.	3.6	55
79	19th biennial IPEG Meeting. Neuropsychiatric Electrophysiology, 2016, 2, .	4.1	0
80	Acyl Ghrelin Improves Synapse Recovery in an In Vitro Model of Postanoxic Encephalopathy. Molecular Neurobiology, 2016, 53, 6136-6143.	4.0	12
81	EEG in postanoxic coma: Prognostic and diagnostic value. Clinical Neurophysiology, 2016, 127, 2047-2055.	1.5	92
82	Single Pulse Electrical Stimulation to identify epileptogenic cortex: Clinical information obtained from early evoked responses. Clinical Neurophysiology, 2016, 127, 1088-1098.	1.5	50
83	Early EEG contributes to multimodal outcome prediction of postanoxic comaAuthor Response. Neurology, 2016, 86, 108-109.	1.1	0
84	Continuous EEG Monitoring for Early Detection of Delayed Cerebral Ischemia in Subarachnoid Hemorrhage: A Pilot Study. Neurocritical Care, 2016, 24, 207-216.	2.4	79
85	Quantification of EEG reactivity in comatose patients. Clinical Neurophysiology, 2016, 127, 571-580.	1.5	51
86	Progression of Neuronal Damage in an In Vitro Model of the Ischemic Penumbra. PLoS ONE, 2016, 11, e0147231.	2.5	34
87	Generalized epileptiform discharges in postanoxic encephalopathy: Quantitative characterization in relation to outcome. Epilepsia, 2015, 56, 1845-1854.	5.1	69
88	Stretch Evoked Potentials in Healthy Subjects and After Stroke: A Potential Measure for Proprioceptive Sensorimotor Function. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2015, 23, 643-654.	4.9	13
89	Generalized periodic discharges: Pathophysiology and clinical considerations. Epilepsy and Behavior, 2015, 49, 228-233.	1.7	53
90	How does spreading depression spread? Physiology and modeling. Reviews in the Neurosciences, 2015, 26, 183-98.	2.9	33

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91	Outcome prediction in postanoxic coma with electroencephalography: The sooner the better. Resuscitation, 2015, 91, e1-e2.	3.0	6
92	Early EEG contributes to multimodal outcome prediction of postanoxic coma. Neurology, 2015, 85, 137-143.	1.1	197
93	Poor motor function is associated with reduced sensory processing after stroke. Experimental Brain Research, 2015, 233, 1339-1349.	1.5	36
94	Infraslow EEG activity modulates cortical excitability in postanoxic encephalopathy. Journal of Neurophysiology, 2015, 113, 3256-3267.	1.8	19
95	Electroencephalogram Predicts Outcome in Patients With Postanoxic Coma During Mild Therapeutic Hypothermia*. Critical Care Medicine, 2015, 43, 159-167.	0.9	79
96	The effect of vagus nerve stimulation on cardiorespiratory parameters during rest and exercise. Seizure: the Journal of the British Epilepsy Association, 2015, 33, 24-28.	2.0	20
97	Masking the Auditory Evoked Potential in TMSâ€“EEG: A Comparison of Various Methods. Brain Topography, 2015, 28, 520-528.	1.8	158
98	Prognostic Use of Somatosensory Evoked Potentials in Acute Consciousness Impairment. , 2015, , 73-80.		0
99	A Self-Adapting System for the Automated Detection of Inter-Ictal Epileptiform Discharges. PLoS ONE, 2014, 9, e85180.	2.5	30
100	Reliability and Agreement of Intramuscular Coherence in Tibialis Anterior Muscle. PLoS ONE, 2014, 9, e88428.	2.5	36
101	Treatment of electroencephalographic status epilepticus after cardiopulmonary resuscitation (TELSTAR): study protocol for a randomized controlled trial. Trials, 2014, 15, 433.	1.6	61
102	A neural mass model based on single cell dynamics to model pathophysiology. Journal of Computational Neuroscience, 2014, 37, 549-568.	1.0	16
103	Small-World Characteristics of EEG Patterns in Post-Anoxic Encephalopathy. Frontiers in Neurology, 2014, 5, 97.	2.4	12
104	Subcortical Vascular Cognitive Impairment, No Dementia. Journal of Clinical Neurophysiology, 2014, 31, 422-428.	1.7	18
105	Mechanical Ventilationâ€“Induced Intrathoracic Pressure Distribution and Heart-Lung Interactions*. Critical Care Medicine, 2014, 42, 1983-1990.	0.9	73
106	Unstandardized Treatment of Electroencephalographic Status Epilepticus Does Not Improve Outcome of Comatose Patients after Cardiac Arrest. Frontiers in Neurology, 2014, 5, 39.	2.4	32
107	Temporal evolution of event-related desynchronization in acute stroke: A pilot study. Clinical Neurophysiology, 2014, 125, 1112-1120.	1.5	31
108	Burst-suppression with identical bursts: A distinct EEG pattern with poor outcome in postanoxic coma. Clinical Neurophysiology, 2014, 125, 947-954.	1.5	171

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109	Event-related mu-rhythm desynchronization during movement observation is impaired in Parkinsonâ€™s disease. Clinical Neurophysiology, 2014, 125, 1819-1825.	1.5	30
110	Neural mass modeling for predicting seizures. Clinical Neurophysiology, 2014, 125, 867-868.	1.5	4
111	Intra-cortical propagation of EEG alpha oscillations. NeuroImage, 2014, 103, 444-453.	4.2	56
112	Mild hypoxia affects synaptic connectivity in cultured neuronal networks. Brain Research, 2014, 1557, 180-189.	2.2	43
113	Generalized periodic discharges after acute cerebral ischemia: Reflection of selective synaptic failure?. Clinical Neurophysiology, 2014, 125, 255-262.	1.5	50
114	Mobile EEG in epilepsy. International Journal of Psychophysiology, 2014, 91, 30-35.	1.0	67
115	High frequency oscillations in intra-operative electrocorticography before and after epilepsy surgery. Clinical Neurophysiology, 2014, 125, 2212-2219.	1.5	81
116	Classification of motor imagery performance in acute stroke. Journal of Neural Engineering, 2014, 11, 036001.	3.5	16
117	Intensive care unit depth of sleep: proof of concept of a simple electroencephalography index in the non-sedated. Critical Care, 2014, 18, R66.	5.8	18
118	Computer-Assisted Interpretation of the EEG Background Pattern: A Clinical Evaluation. PLoS ONE, 2014, 9, e85966.	2.5	15
119	A Mathematical Model for the Prediction of Fluid Responsiveness. Cardiovascular Engineering and Technology, 2013, 4, 53-62.	1.6	1
120	Differential cortical activation during observation and observation-and-imagination. Experimental Brain Research, 2013, 229, 337-345.	1.5	61
121	Modeling pathological brain rhythms: constructing a neural mass model from single cell dynamics. BMC Neuroscience, 2013, 14, .	1.9	0
122	Inter-ictal spike detection using a database of smart templates. Clinical Neurophysiology, 2013, 124, 2328-2335.	1.5	47
123	Importance of baseline in event-related desynchronization during a combination task of motor imagery and motor observation. Journal of Neural Engineering, 2013, 10, 026009.	3.5	35
124	Diagnostic decision-making after a first and recurrent seizure in adults. Seizure: the Journal of the British Epilepsy Association, 2013, 22, 507-511.	2.0	12
125	Quantifying connectivity via efferent and afferent pathways in motor control using coherence measures and joint position perturbations. Experimental Brain Research, 2013, 228, 141-153.	1.5	26
126	Reduction of TMS Induced Artifacts in EEG Using Principal Component Analysis. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2013, 21, 376-382.	4.9	57

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127	Thalamo-cortical mechanisms underlying changes in amplitude and frequency of human alpha oscillations. NeuroImage, 2013, 70, 150-163.	4.2	73
128	Quantification of the adult EEG background pattern. Clinical Neurophysiology, 2013, 124, 228-237.	1.5	36
129	EEG in ischaemic stroke: Quantitative EEG can uniquely inform (sub-)acute prognoses and clinical management. Clinical Neurophysiology, 2013, 124, 10-19.	1.5	219
130	EEG in Silent Small Vessel Disease. Journal of Clinical Neurophysiology, 2013, 30, 178-187.	1.7	20
131	Single neuron dynamics during experimentally induced anoxic depolarization. Journal of Neurophysiology, 2013, 110, 1469-1475.	1.8	16
132	Diffusing Substances during Spreading Depolarization: Analytical Expressions for Propagation Speed, Triggering, and Concentration Time Courses. Journal of Neuroscience, 2013, 33, 5915-5923.	3.6	22
133	A Cerebral Recovery Index (CRI) for early prognosis in patients after cardiac arrest. Critical Care, 2013, 17, R252.	5.8	69
134	Why Are Sensory Axons More Vulnerable for Ischemia than Motor Axons?. PLoS ONE, 2013, 8, e67113.	2.5	38
135	Phase-locking of epileptic spikes to ongoing delta oscillations in non-convulsive status epilepticus. Frontiers in Systems Neuroscience, 2013, 7, 111.	2.5	3
136	Dynamic indices do not predict volume responsiveness in routine clinical practice. British Journal of Anaesthesia, 2012, 108, 395-401.	3.4	116
137	Continuous electroencephalography monitoring for early prediction of neurological outcome in postanoxic patients after cardiac arrest. Critical Care Medicine, 2012, 40, 2867-2875.	0.9	244
138	Suppressors of interictal discharges in idiopathic childhood occipital epilepsy of Gastaut. Epilepsy and Behavior, 2012, 25, 189-191.	1.7	5
139	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
140	Ischemic Cerebral Damage. Stroke, 2012, 43, 607-615.	2.0	215
141	Quantitative electroencephalography in a swine model of cerebral arterial gas embolism. Clinical Neurophysiology, 2012, 123, 411-417.	1.5	10
142	The N20 in post-anoxic coma: Are you listening?. Clinical Neurophysiology, 2012, 123, 1460-1464.	1.5	43
143	Motor unit number index (MUNIX) versus motor unit number estimation (MUNE): A direct comparison in a longitudinal study of ALS patients. Clinical Neurophysiology, 2012, 123, 1644-1649.	1.5	77
144	Meanfield modeling of propofol-induced changes in spontaneous EEG rhythms. NeuroImage, 2012, 60, 2323-2334.	4.2	70

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145	Analysis of stability and bifurcations of fixed points and periodic solutions of a lumped model of neocortex with two delays. Journal of Mathematical Neuroscience, 2012, 2, 8.	2.4	11
146	Quantitative EEG in ischemic stroke: Correlation with functional status after 6months. Clinical Neurophysiology, 2011, 122, 874-883.	1.5	119
147	A novel approach for computer assisted EEG monitoring in the adult ICU. Clinical Neurophysiology, 2011, 122, 2100-2109.	1.5	47
148	Predicting success of vagus nerve stimulation (VNS) from interictal EEG. Seizure: the Journal of the British Epilepsy Association, 2011, 20, 541-545.	2.0	25
149	Neural Dynamics during Anoxia and the â€œWave of Deathâ€• PLoS ONE, 2011, 6, e22127.	2.5	55
150	Long-term administration of fluoxetine to improve motor recovery after stroke. Future Neurology, 2011, 6, 455-457.	0.5	1
151	A multi-scale modeling approach for studying cortical lesions as a cause for epilepsy. BMC Neuroscience, 2011, 12, .	1.9	1
152	Modeling neuronal dynamics during brain ischemia. BMC Neuroscience, 2011, 12, .	1.9	0
153	Automated EEG analysis: Characterizing the posterior dominant rhythm. Journal of Neuroscience Methods, 2011, 200, 86-93.	2.5	35
154	Timeâ€“frequency analysis of single pulse electrical stimulation to assist delineation of epileptogenic cortex. Brain, 2011, 134, 2855-2866.	7.6	100
155	Comparing Epileptiform Behavior of Mesoscale Detailed Models and Population Models of Neocortex. Journal of Clinical Neurophysiology, 2010, 27, 471-478.	1.7	18
156	Evaluation of the finger wrinkling test: a pilot study. Clinical Autonomic Research, 2010, 20, 249-253.	2.5	10
157	Uncommon EEG burst-suppression in severe postanoxic encephalopathy. Clinical Neurophysiology, 2010, 121, 1213-1219.	1.5	25
158	Single Dose of Fluoxetine Increases Muscle Activation in Chronic Stroke Patients. Clinical Neuropharmacology, 2009, 32, 1-5.	0.7	19
159	Reproducibility and clinical relevance of quantitative EEG parameters in cerebral ischemia: A basic approach. Clinical Neurophysiology, 2009, 120, 845-855.	1.5	102
160	Excitable Cells and Action Potentials. Series in Biomedical Engineering, 2009, , 7-32.	0.5	1
161	Microneedle array electrode for human EEG recording. IFMBE Proceedings, 2009, , 1246-1249.	0.3	2
162	Neural Circuits and Systems. Series in Biomedical Engineering, 2009, , 53-87.	0.5	0

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163	Visual Transformation of the EEG in the Intensive Care. IFMBE Proceedings, 2009, , 1743-1746.	0.3	0
164	Digital Signal Analysis. Series in Biomedical Engineering, 2009, , 167-184.	0.5	0
165	Single dose of fluoxetine increases muscle activation in chronic stroke patients. Clinical Neuropharmacology, 2009, 32, 1-5.	0.7	25
166	The Colorful Brain: Visualization of EEG Background Patterns. Journal of Clinical Neurophysiology, 2008, 25, 63-68.	1.7	21
167	Continuous EEG Monitoring During Thrombolysis in Acute Hemispheric Stroke Patients Using the Brain Symmetry Index. Journal of Clinical Neurophysiology, 2008, 25, 77-82.	1.7	67
168	The revised brain symmetry index. Clinical Neurophysiology, 2007, 118, 2362-2367.	1.5	101
169	Discovery of recurrent multiple brain states in non-convulsive status epilepticus. Clinical Neurophysiology, 2007, 118, 2798-2804.	1.5	10
170	Extended BSI for continuous EEG monitoring in carotid endarterectomy. Clinical Neurophysiology, 2006, 117, 2661-2666.	1.5	49
171	Quetiapine in Overdosage. Therapeutic Drug Monitoring, 2006, 28, 185-189.	2.0	45
172	Detecting temporal lobe seizures from scalp EEG recordings: A comparison of various features. Clinical Neurophysiology, 2005, 116, 2480-2489.	1.5	72
173	Continuous Quantitative EEG Monitoring in Hemispheric Stroke Patients Using the Brain Symmetry Index. Stroke, 2004, 35, 2489-2492.	2.0	181
174	A brain symmetry index (BSI) for online EEG monitoring in carotid endarterectomy. Clinical Neurophysiology, 2004, 115, 1189-1194.	1.5	91
175	Proposed link rates in the human brain. Journal of Neuroscience Methods, 2003, 127, 1-10.	2.5	20
176	Nearest Neighbor Phase Synchronization as a Measure to Detect Seizure Activity from Scalp EEG Recordings. Journal of Clinical Neurophysiology, 2003, 20, 320-325.	1.7	36
177	Multi-Parameter Sensing With a Thermal Silicon Flow Sensor. Journal of Fluids Engineering, Transactions of the ASME, 2002, 124, 643-649.	1.5	1
178	Multisensor microsystem for pulmonary function diagnostics. IEEE Sensors Journal, 2002, 2, 636-643.	4.7	14
179	In vivo analysis of end-plate noise of human extensor digitorum brevis muscle after intramuscularly injected botulinum toxin type A. Muscle and Nerve, 2002, 26, 784-790.	2.2	24
180	BIPLEDs in akinetic mutism caused by bilateral anterior cerebral artery infarction. Clinical Neurophysiology, 2001, 112, 1726-1728.	1.5	15

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181	Application of a neural complexity measure to multichannel EEG. Physics Letters, Section A: General, Atomic and Solid State Physics, 2001, 281, 131-141.	2.1	37
182	Facing drift: a comparison of three methods. Sensors and Actuators A: Physical, 2001, 90, 172-180.	4.1	6
183	Is the EEG really "chaotic" in hypsarrhythmia. IEEE Engineering in Medicine and Biology Magazine, 2001, 20, 72-79.	0.8	20
184	HEAT TRANSFER AND TEMPORAL BEHAVIOR OF THE LAMINAR MIXED-CONVECTION FLOW AROUND A DUCTED FLAT-PLATE THERMAL FLOW SENSOR. Experimental Heat Transfer, 2001, 14, 229-250.	3.2	2
185	An Uncommon Cause of Stroke in Young Adults. Archives of Neurology, 1999, 56, 1018.	4.5	5
186	Thermal flow measurements at Gr/Re/sup 2/â‰«1 by silicon anemometry. IEEE Transactions on Instrumentation and Measurement, 1999, 48, 724-729.	4.7	15
187	A silicon bidirectional flow sensor for measuring respiratory flow. IEEE Transactions on Biomedical Engineering, 1997, 44, 205-208.	4.2	19
188	Silicon thermal anemometry: developments and applications. Measurement Science and Technology, 1996, 7, 1360-1377.	2.6	54
189	Full additive drift elimination in vector sensors using the alternating direction method (ADM). Sensors and Actuators A: Physical, 1994, 44, 13-17.	4.1	15
190	A Technique for the Estimation of Plasma Flow in Single Capillaries Using Photobleached Dyes. Microvascular Research, 1993, 46, 263-282.	2.5	3
191	Multiple-sensor micro-system for pulmonary function diagnostics for COPD and asthma patients. , 0, , .		4