

# Eric Scott Rosenthal

## List of Publications by Year in descending order

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83  
papers

4,179  
citations

147726

31  
h-index

123376

61  
g-index

86  
all docs

86  
docs citations

86  
times ranked

4558  
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.	0.9	370
2	ABC/2 for rapid clinical estimate of infarct, perfusion, and mismatch volumes. <i>Neurology</i> , 2009, 72, 2104-2110.	1.5	352
3	The continuum of spreading depolarizations in acute cortical lesion development: Examining Leão's legacy. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017, 37, 1571-1594.	2.4	297
4	Recording, analysis, and interpretation of spreading depolarizations in neurointensive care: Review and recommendations of the COSBID research group. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017, 37, 1595-1625.	2.4	255
5	Early detection of consciousness in patients with acute severe traumatic brain injury. <i>Brain</i> , 2017, 140, 2399-2414.	3.7	244
6	Poor Outcomes in Patients Who Do Not Receive Intravenous Tissue Plasminogen Activator Because of Mild or Improving Ischemic Stroke. <i>Stroke</i> , 2005, 36, 2497-2499.	1.0	228
7	Efficacy of levetiracetam, fosphenytoin, and valproate for established status epilepticus by age group (ESETT): a double-blind, responsive-adaptive, randomised controlled trial. <i>Lancet</i> , The, 2020, 395, 1217-1224.	6.3	143
8	Remote Supervision of IV-tPA for Acute Ischemic Stroke by Telemedicine or Telephone Before Transfer to a Regional Stroke Center Is Feasible and Safe. <i>Stroke</i> , 2010, 41, e18-24.	1.0	141
9	Virtual TeleStroke Support for the Emergency Department Evaluation of Acute Stroke. <i>Academic Emergency Medicine</i> , 2004, 11, 1193-1197.	0.8	136
10	The probability of seizures during EEG monitoring in critically ill adults. <i>Clinical Neurophysiology</i> , 2015, 126, 463-471.	0.7	116
11	Metabolic Correlates of the Ictal-Interictal Continuum: FDG-PET During Continuous EEG. <i>Neurocritical Care</i> , 2016, 24, 324-331.	1.2	103
12	Continuous electroencephalography predicts delayed cerebral ischemia after subarachnoid hemorrhage: A prospective study of diagnostic accuracy. <i>Annals of Neurology</i> , 2018, 83, 958-969.	2.8	102
13	Functional networks reemerge during recovery of consciousness after acute severe traumatic brain injury. <i>Cortex</i> , 2018, 106, 299-308.	1.1	101
14	Early seizures and temporal lobe trauma predict post-traumatic epilepsy: A longitudinal study. <i>Neurobiology of Disease</i> , 2019, 123, 115-121.	2.1	91
15	Neuroprognostication of hypoxic-ischaemic coma in the therapeutic hypothermia era. <i>Nature Reviews Neurology</i> , 2014, 10, 190-203.	4.9	81
16	Spectrogram screening of adult EEGs is sensitive and efficient. <i>Neurology</i> , 2014, 83, 56-64.	1.5	72
17	Brexanolone as adjunctive therapy in super-refractory status epilepticus. <i>Annals of Neurology</i> , 2017, 82, 342-352.	2.8	70
18	Evaluation of andexanet alfa and four-factor prothrombin complex concentrate (4F-PCC) for reversal of rivaroxaban- and apixaban-associated intracranial hemorrhages. <i>Journal of Thrombosis and Haemostasis</i> , 2020, 18, 1637-1647.	1.9	70

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19	Assessment of the Validity of the 2HELPS2B Score for Inpatient Seizure Risk Prediction. JAMA Neurology, 2020, 77, 500.	4.5	58
20	Role of Recanalization in Acute Stroke Outcome: Rationale for a CT Angiogram-Based "Benefit of Recanalization" Model: Fig 1.. American Journal of Neuroradiology, 2008, 29, 1471-1475.	1.2	53
21	Epileptiform abnormalities predict delayed cerebral ischemia in subarachnoid hemorrhage. Clinical Neurophysiology, 2017, 128, 1091-1099.	0.7	47
22	PSA-NCAM distinguishes reactive astrocytes in 6-OHDA-lesioned substantia nigra from those in the striatal terminal fields. Journal of Neuroscience Research, 2000, 61, 588-596.	1.3	46
23	Prolonged monitoring of cerebral blood flow and autoregulation with diffuse correlation spectroscopy in neurocritical care patients. Neurophotonics, 2018, 5, 1.	1.7	46
24	Which Spreading Depolarizations Are Deleterious To Brain Tissue?. Neurocritical Care, 2020, 32, 317-322.	1.2	40
25	Patterns of benzodiazepine underdosing in the Established Status Epilepticus Treatment Trial. Epilepsia, 2021, 62, 795-806.	2.6	39
26	Phylogenetic and epidemiologic evidence of multiyear incubation in human rabies. Annals of Neurology, 2014, 75, 155-160.	2.8	37
27	First-in-man allopregnanolone use in super-refractory status epilepticus. Annals of Clinical and Translational Neurology, 2017, 4, 411-414.	1.7	37
28	Effect of epileptiform abnormality burden on neurologic outcome and antiepileptic drug management after subarachnoid hemorrhage. Clinical Neurophysiology, 2018, 129, 2219-2227.	0.7	37
29	Calculating the Risk Benefit Equation for Aggressive Treatment of Non-convulsive Status Epilepticus. Neurocritical Care, 2013, 18, 216-227.	1.2	36
30	High Risk for Seizures Following Subarachnoid Hemorrhage Regardless of Referral Bias. Neurocritical Care, 2014, 21, 476-482.	1.2	33
31	The epilepsy bioinformatics study for anti-epileptogenic therapy (EpiBioS4Rx) clinical biomarker: Study design and protocol. Neurobiology of Disease, 2019, 123, 110-114.	2.1	32
32	Lateralized periodic discharges frequency correlates with glucose metabolism. Neurology, 2019, 92, e670-e674.	1.5	32
33	Performance of Spectrogram-Based Seizure Identification of Adult EEGs by Critical Care Nurses and Neurophysiologists. Journal of Clinical Neurophysiology, 2017, 34, 359-364.	0.9	30
34	Burden of Epileptiform Activity Predicts Discharge Neurologic Outcomes in Severe Acute Ischemic Stroke. Neurocritical Care, 2020, 32, 697-706.	1.2	29
35	Clinical Development and Implementation of an Institutional Guideline for Prospective EEG Monitoring and Reporting of Delayed Cerebral Ischemia. Journal of Clinical Neurophysiology, 2016, 33, 217-226.	0.9	27
36	Automatic Classification of Sedation Levels in ICU Patients Using Heart Rate Variability. Critical Care Medicine, 2016, 44, e782-e789.	0.4	25

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37	The Utility of EEG, SSEP, and Other Neurophysiologic Tools to Guide Neurocritical Care. <i>Neurotherapeutics</i> , 2012, 9, 24-36.	2.1	23
38	Hypoattenuation on CT angiographic source images predicts risk of intracerebral hemorrhage and outcome after intra-arterial reperfusion therapy. <i>American Journal of Neuroradiology</i> , 2005, 26, 1798-803.	1.2	22
39	Electronic Health Data Predict Outcomes After Aneurysmal Subarachnoid Hemorrhage. <i>Neurocritical Care</i> , 2018, 28, 184-193.	1.2	21
40	Automated Annotation of Epileptiform Burden and Its Association with Outcomes. <i>Annals of Neurology</i> , 2021, 90, 300-311.	2.8	19
41	EEG Correlates of Language Function in Traumatic Disorders of Consciousness. <i>Neurocritical Care</i> , 2020, 33, 449-457.	1.2	17
42	Interrater Agreement for Consensus Definitions of Delayed Ischemic Events After Aneurysmal Subarachnoid Hemorrhage. <i>Journal of Clinical Neurophysiology</i> , 2016, 33, 235-240.	0.9	16
43	Automation of Classical QEEG Trending Methods for Early Detection of Delayed Cerebral Ischemia. <i>Journal of Clinical Neurophysiology</i> , 2016, 33, 227-234.	0.9	15
44	Medical Device Connectivity Challenges Outline the Technical Requirements and Standards For Promoting Big Data Research and Personalized Medicine in Neurocritical Care. <i>Military Medicine</i> , 2018, 183, 99-104.	0.4	15
45	Anterior Temporal Lobectomy for Refractory Status Epilepticus in Herpes Simplex Encephalitis. <i>Neurocritical Care</i> , 2016, 25, 458-463.	1.2	14
46	Neuroimaging Correlates of Periodic Discharges. <i>Journal of Clinical Neurophysiology</i> , 2018, 35, 279-294.	0.9	14
47	Challenges and Opportunities in Multimodal Monitoring and Data Analytics in Traumatic Brain Injury. <i>Current Neurology and Neuroscience Reports</i> , 2021, 21, 6.	2.0	14
48	Real-Time, Automated Detection of Ventilator-Associated Events: Avoiding Missed Detections, Misclassifications, and False Detections Due to Human Error. <i>Infection Control and Hospital Epidemiology</i> , 2018, 39, 826-833.	1.0	13
49	Burst Suppression: Causes and Effects on Mortality in Critical Illness. <i>Neurocritical Care</i> , 2020, 33, 565-574.	1.2	13
50	Electrographic predictors of successful weaning from anaesthetics in refractory status epilepticus. <i>Brain</i> , 2020, 143, 1143-1157.	3.7	13
51	The Utility of Quantitative EEG in Detecting Delayed Cerebral Ischemia After Aneurysmal Subarachnoid Hemorrhage. <i>Journal of Clinical Neurophysiology</i> , 2022, 39, 207-215.	0.9	12
52	Combining Transcranial Doppler and EEG Data to Predict Delayed Cerebral Ischemia After Subarachnoid Hemorrhage. <i>Neurology</i> , 2022, 98, .	1.5	12
53	Soluble ST2 Is Associated With New Epileptiform Abnormalities Following Nontraumatic Subarachnoid Hemorrhage. <i>Stroke</i> , 2020, 51, 1128-1134.	1.0	11
54	The standardization debate: A conflation trap in critical care electroencephalography. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2015, 24, 52-58.	0.9	9

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55	Successful Wean Despite Emergence of Ictal Interictal EEG Patterns During the Weaning of Prolonged Burst-Suppression Therapy for Super-Refractory Status Epilepticus. <i>Neurocritical Care</i> , 2018, 29, 452-462.	1.2	9
56	Extreme delta brush evolving into status epilepticus in a patient with anti-NMDA encephalitis. <i>Epilepsy &amp; Behavior Case Reports</i> , 2017, 7, 69-71.	1.5	8
57	A standardized nomenclature for spectrogram EEG patterns: Inter-rater agreement and correspondence with common intensive care unit EEG patterns. <i>Clinical Neurophysiology</i> , 2020, 131, 2298-2306.	0.7	8
58	Deep active learning for interictal ictal injury continuum EEG patterns. <i>Journal of Neuroscience Methods</i> , 2021, 351, 108966.	1.3	8
59	Electroencephalography, Hospital Complications, and Longitudinal Outcomes After Subarachnoid Hemorrhage. <i>Neurocritical Care</i> , 2021, 35, 397-408.	1.2	8
60	Responsive neurostimulation for focal motor status epilepticus. <i>Annals of Clinical and Translational Neurology</i> , 2021, 8, 1353-1361.	1.7	8
61	Antiseizure Medication Treatment and Outcomes in Patients with Subarachnoid Hemorrhage Undergoing Continuous EEG Monitoring. <i>Neurocritical Care</i> , 2022, 36, 857-867.	1.2	8
62	ADARRI: a novel method to detect spurious R-peaks in the electrocardiogram for heart rate variability analysis in the intensive care unit. <i>Journal of Clinical Monitoring and Computing</i> , 2018, 32, 53-61.	0.7	7
63	Rapid Annotation of Seizures and Interictal-ictal Continuum EEG Patterns. , 2018, 2018, 3394-3397.		7
64	A Novel Correction Equation Avoids High-Magnitude Errors in Interpreting Therapeutic Drug Monitoring of Phenytoin Among Critically Ill Patients. <i>Therapeutic Drug Monitoring</i> , 2020, 42, 617-625.	1.0	7
65	Intracranial hemorrhage alters scalp potential distribution in bioimpedance cerebral monitoring: Preliminary results from FEM simulation on a realistic head model and human subjects. <i>Medical Physics</i> , 2016, 43, 675-686.	1.6	6
66	Early Neurologic Recovery, Practice Pattern Variation, and the Risk of Endotracheal Intubation Following Established Status Epilepticus. <i>Neurology</i> , 2021, 96, e2372-e2386.	1.5	6
67	Prognostication in Acute Neurological Emergencies. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2022, 31, 106277.	0.7	6
68	Automated information extraction from free-text EEG reports. , 2015, 2015, 6804-7.		5
69	Diagnostic, Prognostic, and Advanced Imaging in Severe Traumatic Brain Injury. <i>Current Trauma Reports</i> , 2015, 1, 133-146.	0.6	5
70	Default Mode Network Perfusion in Aneurysmal Subarachnoid Hemorrhage. <i>Neurocritical Care</i> , 2016, 25, 237-242.	1.2	5
71	Education Research: Variation in priorities for neurocritical care education expressed across role groups. <i>Neurology</i> , 2018, 90, 1117-1122.	1.5	5
72	Cortical Spreading Depolarizations and Clinically Measured Scalp EEG Activity After Aneurysmal Subarachnoid Hemorrhage and Traumatic Brain Injury. <i>Neurocritical Care</i> , 2022, 37, 49-59.	1.2	5

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73	Process Improvement Methods Increase the Efficiency, Accuracy, and Utility of a Neurocritical Care Research Repository. <i>Neurocritical Care</i> , 2012, 17, 90-96.	1.2	4
74	Blowing the whistle on sports concussions: Will the risk of dementia change the game?. <i>Neurology</i> , 2016, 86, 1929-1930.	1.5	3
75	Early Brain Injury and Soluble ST2 After Nontraumatic Subarachnoid Hemorrhage. <i>Stroke</i> , 2021, 52, e494-e496.	1.0	3
76	Seizures, Status Epilepticus, and Continuous EEG in the Intensive Care Unit. <i>CONTINUUM Lifelong Learning in Neurology</i> , 2021, 27, 1321-1343.	0.4	3
77	Neurocritical Care Performance Measures Derived from Electronic Health Record Data are Feasible and Reveal Site-Specific Variation: A CHoRUS Pilot Project. <i>Neurocritical Care</i> , 0, , .	1.2	3
78	Severe Cerebral Edema in Substance-Related Cardiac Arrest Patients. <i>Resuscitation</i> , 2022, , .	1.3	2
79	Anti-seizure medication treatment and outcomes in acute ischemic stroke patients undergoing continuous EEG monitoring. <i>Neurological Sciences</i> , 2022, 43, 5441-5449.	0.9	1
80	Heart rate variability as a biomarker for sedation depth estimation in ICU patients. , 2016, 2016, 6397-6400.		0
81	Neuromonitoring: No Longer a Spectator Sport. <i>Neurocritical Care</i> , 2020, 33, 646-647.	1.2	0
82	Continuous EEG Monitoring: Systems of Care. <i>Current Clinical Neurology</i> , 2020, , 311-326.	0.1	0
83	TeleStroke: Application of Telemedicine in Acute Ischemic Stroke. , 0, , 213-232.		0