

# Joseph R Madsen

## List of Publications by Year in descending order

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140  
papers

11,786  
citations

47006

47  
h-index

30087

103  
g-index

148  
all docs

148  
docs citations

148  
times ranked

12002  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Theta and Gamma Oscillations during Encoding Predict Subsequent Recall. <i>Journal of Neuroscience</i> , 2003, 23, 10809-10814.  | 3.6  | 698       |
| 2  | Gating of Human Theta Oscillations by a Working Memory Task. <i>Journal of Neuroscience</i> , 2001, 21, 3175-3183.   | 3.6  | 683       |
| 3  | Human theta oscillations exhibit task dependence during virtual maze navigation. <i>Nature</i> , 1999, 399, 781-784.   | 27.8 | 667       |
| 4  | Gamma Oscillations Correlate with Working Memory Load in Humans. <i>Cerebral Cortex</i> , 2003, 13, 1369-1374.   | 2.9  | 658       |
| 5  | Theta returns. <i>Current Opinion in Neurobiology</i> , 2001, 11, 739-744.   | 4.2  | 484       |
| 6  | Single-neuron dynamics in human focal epilepsy. <i>Nature Neuroscience</i> , 2011, 14, 635-641.  | 14.8 | 449       |
| 7  | Human $\hat{\Gamma}$ Oscillations Related to Sensorimotor Integration and Spatial Learning. <i>Journal of Neuroscience</i> , 2003, 23, 4726-4736.  | 3.6  | 381       |
| 8  | Rapid fragmentation of neuronal networks at the onset of propofol-induced unconsciousness. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, E3377-86. | 7.1  | 366       |
| 9  | Timing, Timing, Timing: Fast Decoding of Object Information from Intracranial Field Potentials in Human Visual Cortex. <i>Neuron</i> , 2009, 62, 281-290.  | 8.1  | 353       |
| 10 | Hippocampal and Neocortical Gamma Oscillations Predict Memory Formation in Humans. <i>Cerebral Cortex</i> , 2006, 17, 1190-1196.   | 2.9  | 349       |
| 11 | The pulsating brain: A review of experimental and clinical studies of intracranial pulsatility. <i>Fluids and Barriers of the CNS</i> , 2011, 8, 5.  | 5.0  | 338       |
| 12 | The Human K-Complex Represents an Isolated Cortical Down-State. <i>Science</i> , 2009, 324, 1084-1087.   | 12.6 | 328       |
| 13 | Sleep-Dependent $\hat{\Gamma}$ Oscillations in the Human Hippocampus and Neocortex. <i>Journal of Neuroscience</i> , 2003, 23, 10897-10903.  | 3.6  | 269       |
| 14 | Long-term outcome in children with moyamoya syndrome after cranial revascularization by pial syngangiosis. <i>Journal of Neurosurgery: Pediatrics</i> , 2004, 100, 142-149.                              | 1.3  | 267       |
| 15 | Somatic Mutations Activating the mTOR Pathway in Dorsal Telencephalic Progenitors Cause a Continuum of Cortical Dysplasias. <i>Cell Reports</i> , 2017, 21, 3754-3766.                                   | 6.4  | 247       |
| 16 | Intrathecal Baclofen for Management of Spastic Cerebral Palsy: Multicenter Trial. <i>Journal of Child Neurology</i> , 2000, 15, 71-77.   | 1.4  | 240       |
| 17 | Individualized localization and cortical surface-based registration of intracranial electrodes. <i>NeuroImage</i> , 2012, 59, 3563-3570.   | 4.2  | 213       |
| 18 | Distinct Patterns of Brain Oscillations Underlie Two Basic Parameters of Human Maze Learning. <i>Journal of Neurophysiology</i> , 2001, 86, 368-380.   | 1.8  | 211       |

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|----|---|------|-----------|
| 19 | Developmental Regulation of Mitochondrial Apoptosis by c-Myc Governs Age- and Tissue-Specific Sensitivity to Cancer Therapeutics. <i>Cancer Cell</i> , 2017, 31, 142-156.                           | 16.8 | 190       |
| 20 | Human seizures self-terminate across spatial scales via a critical transition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 21116-21121.     | 7.1  | 182       |
| 21 | Vagus Nerve Stimulation Therapy in Pediatric Patients With Refractory Epilepsy: Retrospective Study. <i>Journal of Child Neurology</i> , 2001, 16, 843-848.   | 1.4  | 179       |
| 22 | Heterogeneous neuronal firing patterns during interictal epileptiform discharges in the human cortex. <i>Brain</i> , 2010, 133, 1668-1681.  | 7.6  | 168       |
| 23 | Spatiotemporal dynamics of neocortical excitation and inhibition during human sleep. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 1731-1736. | 7.1  | 166       |
| 24 | The role of simulation in neurosurgery. <i>Child's Nervous System</i> , 2016, 32, 43-54.  | 1.1  | 136       |
| 25 | Gamma EEG dynamics in neocortex and hippocampus during human wakefulness and sleep. <i>NeuroImage</i> , 2004, 22, 1271-1280.  | 4.2  | 123       |
| 26 | Gamma Oscillations Distinguish True From False Memories. <i>Psychological Science</i> , 2007, 18, 927-932.  | 3.3  | 123       |
| 27 | Human neocortical oscillations exhibit theta phase differences between encoding and retrieval. <i>NeuroImage</i> , 2006, 31, 1352-1358.   | 4.2  | 117       |
| 28 | Task-free presurgical mapping using functional magnetic resonance imaging intrinsic activity. <i>Journal of Neurosurgery</i> , 2009, 111, 746-754.  | 1.6  | 117       |
| 29 | Tacrolimus (FK506) Increases Neuronal Expression of GAP-43 and Improves Functional Recovery after Spinal Cord Injury in Rats. <i>Experimental Neurology</i> , 1998, 154, 673-683.                   | 4.1  | 109       |
| 30 | Neuronal Ensemble Synchrony during Human Focal Seizures. <i>Journal of Neuroscience</i> , 2014, 34, 9927-9944.  | 3.6  | 103       |
| 31 | Autonomic changes following generalized tonic clonic seizures: An analysis of adult and pediatric patients with epilepsy. <i>Epilepsy Research</i> , 2015, 115, 113-118.                            | 1.6  | 96        |
| 32 | VEGF Signaling in Neurological Disorders. <i>International Journal of Molecular Sciences</i> , 2018, 19, 275.   | 4.1  | 96        |
| 33 | Somatic <i>SLC35A2</i> variants in the brain are associated with intractable neocortical epilepsy. <i>Annals of Neurology</i> , 2018, 83, 1133-1146.  | 5.3  | 95        |
| 34 | Localization of focal epileptic discharges using functional connectivity magnetic resonance imaging. <i>Journal of Neurosurgery</i> , 2011, 114, 1693-1697.   | 1.6  | 80        |
| 35 | The effect of propofol on intraoperative electrocorticography and cortical stimulation during awake craniotomies in children. <i>Paediatric Anaesthesia</i> , 2000, 10, 29-34.                      | 1.1  | 77        |
| 36 | Spatiotemporal Dynamics Underlying Object Completion in Human Ventral Visual Cortex. <i>Neuron</i> , 2014, 83, 736-748.   | 8.1  | 75        |

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|----|--|------|-----------|
| 37 | Connections of the hippocampal formation in humans: I. The mossy fiber pathway. <i>Journal of Comparative Neurology</i> , 1997, 385, 325-351.  | 1.6  | 64        |
| 38 | Pathophysiology, prevention, and potential treatment of neural tube defects. <i>Mental Retardation and Developmental Disabilities Research Reviews</i> , 2000, 6, 6-14.                                    | 3.6  | 62        |
| 39 | Propagation of epileptic spikes reconstructed from spatiotemporal magnetoencephalographic and electroencephalographic source analysis. <i>NeuroImage</i> , 2010, 50, 217-222.                              | 4.2  | 62        |
| 40 | Assessing the localization accuracy and clinical utility of electric and magnetic source imaging in children with epilepsy. <i>Clinical Neurophysiology</i> , 2019, 130, 491-504.                          | 1.5  | 62        |
| 41 | Superficial Slow Rhythms Integrate Cortical Processing in Humans. <i>Scientific Reports</i> , 2018, 8, 2055.   | 3.3  | 56        |
| 42 | Solitary Fibrous Tumor Presenting As a Symptomatic Intraspinal Mass: Case Report. <i>Neurosurgery</i> , 1997, 40, 844-847.   | 1.1  | 55        |
| 43 | Current and Emerging Potential of Magnetoencephalography in the Detection and Localization of High-Frequency Oscillations in Epilepsy. <i>Frontiers in Neurology</i> , 2017, 8, 14.                        | 2.4  | 53        |
| 44 | Hip status in cerebral palsy after one year of continuous intrathecal baclofen infusion. <i>Pediatric Neurology</i> , 2004, 30, 163-168.   | 2.1  | 52        |
| 45 | Comparison of Rapid Cranial MRI to CT for Ventricular Shunt Malfunction. <i>Pediatrics</i> , 2014, 134, e47-e54.   | 2.1  | 52        |
| 46 | Right-lateralized Brain Oscillations in Human Spatial Navigation. <i>Journal of Cognitive Neuroscience</i> , 2010, 22, 824-836.  | 2.3  | 51        |
| 47 | Surgical resection of ripple onset predicts outcome in pediatric epilepsy. <i>Annals of Neurology</i> , 2018, 84, 331-346.   | 5.3  | 51        |
| 48 | Vagus nerve stimulation in pediatric epilepsy: a review. <i>Pediatric Neurology</i> , 2001, 25, 368-376.   | 2.1  | 50        |
| 49 | Direct current stimulation induces mGluR5-dependent neocortical plasticity. <i>Annals of Neurology</i> , 2016, 80, 233-246.  | 5.3  | 50        |
| 50 | GMFM 1 year after continuous intrathecal baclofen infusion. <i>Developmental Neurorehabilitation</i> , 2005, 8, 207-213.   | 1.1  | 48        |
| 51 | Priorities for hydrocephalus research: report from a National Institutes of Health-sponsored workshop. <i>Journal of Neurosurgery: Pediatrics</i> , 2007, 107, 345-357.                                    | 1.3  | 48        |
| 52 | Interictal High Frequency Oscillations Detected with Simultaneous Magnetoencephalography and Electroencephalography as Biomarker of Pediatric Epilepsy. <i>Journal of Visualized Experiments</i> , 2016, . | 0.3  | 46        |
| 53 | Connections of the hippocampal formation in humans: II. The endfolial fiber pathway. <i>Journal of Comparative Neurology</i> , 1997, 385, 352-371.   | 1.6  | 45        |
| 54 | Travelling spindles create necessary conditions for spike-timing-dependent plasticity in humans. <i>Nature Communications</i> , 2021, 12, 1027.  | 12.8 | 45        |

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|----|--|-----|-----------|
| 55 | Intracranial pressure waves: characterization of a pulsation absorber with notch filter properties using systems analysis. <i>Journal of Neurosurgery: Pediatrics</i> , 2008, 2, 83-94.            | 1.3 | 44        |
| 56 | Laminar profile of spontaneous and evoked theta: Rhythmic modulation of cortical processing during word integration. <i>Neuropsychologia</i> , 2015, 76, 108-124.                                  | 1.6 | 43        |
| 57 | Microscale spatiotemporal dynamics during neocortical propagation of human focal seizures. <i>NeuroImage</i> , 2015, 122, 114-130.   | 4.2 | 41        |
| 58 | Heterogeneous Origins of Human Sleep Spindles in Different Cortical Layers. <i>Journal of Neuroscience</i> , 2018, 38, 3013-3025.  | 3.6 | 40        |
| 59 | Dynamic statistical parametric mapping for analyzing ictal magnetoencephalographic spikes in patients with intractable frontal lobe epilepsy. <i>Epilepsy Research</i> , 2009, 85, 279-286.        | 1.6 | 39        |
| 60 | Simulation of the human intracranial arterial tree. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2009, 367, 2371-2386.                           | 3.4 | 39        |
| 61 | H reflex studies in cerebral palsy patients undergoing partial dorsal rhizotomy. <i>Muscle and Nerve</i> , 1994, 17, 539-549.  | 2.2 | 37        |
| 62 | Robust Selectivity to Two-Object Images in Human Visual Cortex. <i>Current Biology</i> , 2010, 20, 872-879.  | 3.9 | 37        |
| 63 | Cerebrospinal fluid pulsatility and hydrocephalus: the fourth circulation. <i>Clinical Neurosurgery</i> , 2006, 53, 48-52.   | 0.2 | 36        |
| 64 | What we don't (but should) know about hydrocephalus. <i>Journal of Neurosurgery: Pediatrics</i> , 2006, 104, 157-159.  | 1.3 | 35        |
| 65 | Surgery for Intractable Epilepsy Due to Unilateral Brain Disease: A Retrospective Study Comparing Hemispherectomy Techniques. <i>Pediatric Neurology</i> , 2014, 51, 336-343.                      | 2.1 | 35        |
| 66 | Granger Causality Analysis of Interictal iEEG Predicts Seizure Focus and Ultimate Resection. <i>Neurosurgery</i> , 2018, 82, 99-109.   | 1.1 | 35        |
| 67 | Scalp ripples as prognostic biomarkers of epileptogenicity in pediatric surgery. <i>Annals of Clinical and Translational Neurology</i> , 2020, 7, 329-342.   | 3.7 | 35        |
| 68 | Evaluation of the ShuntCheck Noninvasive Thermal Technique for Shunt Flow Detection in Hydrocephalic Patients. <i>Neurosurgery</i> , 2011, 68, 198-205.  | 1.1 | 34        |
| 69 | Cascade of neural processing orchestrates cognitive control in human frontal cortex. <i>ELife</i> , 2016, 5, .   | 6.0 | 33        |
| 70 | Alterations of pulsation absorber characteristics in experimental hydrocephalus. <i>Journal of Neurosurgery: Pediatrics</i> , 2010, 6, 159-170.  | 1.3 | 32        |
| 71 | Electrode localization for planning surgical resection of the epileptogenic zone in pediatric epilepsy. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2014, 9, 91-105. | 2.8 | 32        |
| 72 | VEGF, which is elevated in the CSF of patients with hydrocephalus, causes ventriculomegaly and ependymal changes in rats. <i>Experimental Neurology</i> , 2013, 247, 703-709.                      | 4.1 | 31        |

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|----|---|-----|-----------|
| 73 | Passive fMRI mapping of language function for pediatric epilepsy surgical planning: Validation using Wada, ECS, and FMAER. <i>Epilepsy Research</i> , 2014, 108, 1874-1888.   | 1.6 | 30        |
| 74 | Microscale Physiological Events on the Human Cortical Surface. <i>Cerebral Cortex</i> , 2021, 31, 3678-3700.  | 2.9 | 29        |
| 75 | Noninvasive Mapping of Ripple Onset Predicts Outcome in Epilepsy Surgery. <i>Annals of Neurology</i> , 2021, 89, 911-925.   | 5.3 | 29        |
| 76 | Ictal and interictal source imaging on intracranial EEG predicts epilepsy surgery outcome in children with focal cortical dysplasia. <i>Clinical Neurophysiology</i> , 2020, 131, 734-743.                            | 1.5 | 26        |
| 77 | Outcome following multiple repeated spinal cord untethering operations. <i>Journal of Neurosurgery: Pediatrics</i> , 2007, 106, 434-438.  | 1.3 | 25        |
| 78 | Magnetoencephalographic Analysis in Patients With Vagus Nerve Stimulator. <i>Pediatric Neurology</i> , 2009, 41, 383-387.   | 2.1 | 25        |
| 79 | A dynamic nonlinear relationship between the static and pulsatile components of intracranial pressure in patients with subarachnoid hemorrhage. <i>Journal of Neurosurgery</i> , 2010, 112, 616-625.                  | 1.6 | 24        |
| 80 | Modeling of blood flow in arterial trees. <i>Wiley Interdisciplinary Reviews: Systems Biology and Medicine</i> , 2010, 2, 612-623.  | 6.6 | 24        |
| 81 | Outcomes of vagal nerve stimulation in a pediatric population: A single center experience. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2014, 23, 105-111.                                       | 2.0 | 24        |
| 82 | Combining task-evoked and spontaneous activity to improve pre-operative brain mapping with fMRI. <i>NeuroImage</i> , 2016, 124, 714-723.  | 4.2 | 24        |
| 83 | Pilot Study of Neurodevelopmental Impact of Early Epilepsy Surgery in Tuberous Sclerosis Complex. <i>Pediatric Neurology</i> , 2020, 109, 39-46.  | 2.1 | 23        |
| 84 | Presurgical accuracy of dipole clustering in MRI-negative pediatric patients with epilepsy: Validation against intracranial EEG and resection. <i>Clinical Neurophysiology</i> , 2022, 141, 126-138.                  | 1.5 | 23        |
| 85 | Impaired pulsation absorber mechanism in idiopathic normal pressure hydrocephalus. <i>Journal of Neurosurgery</i> , 2012, 117, 1189-1196.   | 1.6 | 22        |
| 86 | Clinical value of magnetoencephalographic spike propagation represented by spatiotemporal source analysis: Correlation with surgical outcome. <i>Epilepsy Research</i> , 2014, 108, 280-288.                          | 1.6 | 22        |
| 87 | Early Detection of Human Epileptic Seizures Based on Intracortical Microelectrode Array Signals. <i>IEEE Transactions on Biomedical Engineering</i> , 2020, 67, 817-831.  | 4.2 | 20        |
| 88 | The frequency modulated auditory evoked response (FMAER), a technical advance for study of childhood language disorders: cortical source localization and selected case studies. <i>BMC Neurology</i> , 2013, 13, 12. | 1.8 | 19        |
| 89 | Neural Dynamics Underlying Target Detection in the Human Brain. <i>Journal of Neuroscience</i> , 2014, 34, 3042-3055.   | 3.6 | 19        |
| 90 | What is changing when: Decoding visual information in movies from human intracranial recordings. <i>NeuroImage</i> , 2018, 180, 147-159.  | 4.2 | 16        |

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|-----|--|-----|-----------|
| 91  | Drug-Responsive Inhomogeneous Cortical Modulation by Direct Current Stimulation. <i>Annals of Neurology</i> , 2020, 88, 489-502.   | 5.3 | 16        |
| 92  | Source imaging of seizure onset predicts surgical outcome in pediatric epilepsy. <i>Clinical Neurophysiology</i> , 2021, 132, 1622-1635.   | 1.5 | 15        |
| 93  | Nitrous Oxide Depresses the H-Reflex in Children with Cerebral Palsy. <i>Anesthesia and Analgesia</i> , 1995, 80, 239-241.   | 2.2 | 13        |
| 94  | Task dependence of human theta: The case for multiple cognitive functions. <i>Neurocomputing</i> , 2000, 32-33, 659-665.   | 5.9 | 12        |
| 95  | Gentle dorsal root retraction and dissection can cause areflexia: Implications for intraoperative monitoring during ?selective? partial dorsal rhizotomy. <i>Muscle and Nerve</i> , 2001, 24, 1352-1358.                             | 2.2 | 12        |
| 96  | Urological outcome following multiple repeat spinal cord untethering operations. <i>Journal of Neurosurgery: Pediatrics</i> , 2009, 4, 275-279.  | 1.3 | 12        |
| 97  | Magnetic resonance imaging-?guided laser-induced thermal therapy for functional hemispherotomy in a child with refractory epilepsy and multiple medical comorbidities. <i>Journal of Neurosurgery: Pediatrics</i> , 2021, 27, 30-35. | 1.3 | 12        |
| 98  | Molecular Biology of Axonal Outgrowth. <i>Pediatric Neurosurgery</i> , 1997, 27, 113-120.  | 0.7 | 11        |
| 99  | Temporal stability of visually selective responses in intracranial field potentials recorded from human occipital and temporal lobes. <i>Journal of Neurophysiology</i> , 2012, 108, 3073-3086.                                      | 1.8 | 11        |
| 100 | Delay differential analysis for dynamical sleep spindle detection. <i>Journal of Neuroscience Methods</i> , 2019, 316, 12-21.  | 2.5 | 11        |
| 101 | Electroencephalography in epilepsy surgery planning. <i>Child's Nervous System</i> , 2006, 22, 760-765.  | 1.1 | 10        |
| 102 | Neuroimaging of Children With Surgically Treated Hydrocephalus: A Practical Approach. <i>American Journal of Roentgenology</i> , 2017, 208, 413-419.   | 2.2 | 10        |
| 103 | Noninvasive Localization of High-Frequency Oscillations in Children with Epilepsy: Validation against Intracranial Gold-Standard. , 2019, 2019, 1555-1558.   |     | 10        |
| 104 | Functional Transplantation of the Rat Pituitary Gland. <i>Neurosurgery</i> , 1998, 43, 1157-1163.  | 1.1 | 9         |
| 105 | Demonstration that a new flow sensor can operate in the clinical range for cerebrospinal fluid flow. <i>Sensors and Actuators A: Physical</i> , 2015, 234, 223-231.  | 4.1 | 9         |
| 106 | Magnetoencephalographic Spike Analysis in Patients With Focal Cortical Dysplasia: What Defines a ?Dipole Cluster?. <i>Pediatric Neurology</i> , 2018, 83, 25-31.   | 2.1 | 9         |
| 107 | Changes in the Functional Brain Network of Children Undergoing Repeated Epilepsy Surgery: An EEG Source Connectivity Study. <i>Diagnostics</i> , 2021, 11, 1234.   | 2.6 | 9         |
| 108 | Intracortical neural activity distal to seizure-onset-areas predicts human focal seizures. <i>PLoS ONE</i> , 2019, 14, e0211847.   | 2.5 | 8         |

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|-----|--|------|-----------|
| 109 | Antenatal neurosurgical counseling: approach to the unborn patient. <i>Pediatric Clinics of North America</i> , 2004, 51, 491-505.   | 1.8  | 7         |
| 110 | VEGF: A potential target for hydrocephalus. <i>Cell and Tissue Research</i> , 2014, 358, 667-683.  | 2.9  | 7         |
| 111 | Decrease in gamma-band activity tracks sequence learning. <i>Frontiers in Systems Neuroscience</i> , 2014, 8, 222.   | 2.5  | 7         |
| 112 | Noninvasive Thermal Evaluation of Ventriculoperitoneal Shunt Patency and Cerebrospinal Fluid Flow Using a Flow Enhancing Device. <i>Neurosurgery</i> , 2019, 85, 240-249.  | 1.1  | 7         |
| 113 | Mesoscopic physiological interactions in the human brain reveal small-world properties. <i>Cell Reports</i> , 2021, 36, 109585.  | 6.4  | 7         |
| 114 | Shunt technology: contemporary concepts and prospects. <i>Clinical Neurosurgery</i> , 2003, 50, 256-67.  | 0.2  | 7         |
| 115 | Using intracranial recordings to study theta. <i>Trends in Cognitive Sciences</i> , 1999, 3, 406-407.  | 7.8  | 6         |
| 116 | Pharyngeal Dysesthesia in Refractory Complex Partial Epilepsy: New Seizure or Adverse Effect of Vagal Nerve Stimulation?. <i>Epilepsia</i> , 2003, 44, 855-858.  | 5.1  | 6         |
| 117 | Magnetoencephalographic Mapping of Epileptic Spike Population Using Distributed Source Analysis. <i>Journal of Clinical Neurophysiology</i> , 2018, 35, 339-345.   | 1.7  | 6         |
| 118 | Novel User-Friendly Application for MRI Segmentation of Brain Resection following Epilepsy Surgery. <i>Diagnostics</i> , 2022, 12, 1017.   | 2.6  | 5         |
| 119 | Sensitivity to timing and order in human visual cortex. <i>Journal of Neurophysiology</i> , 2015, 113, 1656-1669.  | 1.8  | 4         |
| 120 | Corpus Callosotomy for Refractory Epilepsy in Aicardi Syndrome: Case Report and Focused Review of the Literature. <i>World Neurosurgery</i> , 2020, 142, 450-455.  | 1.3  | 4         |
| 121 | Diagnostic Accuracy of Non-Invasive Thermal Evaluation of Ventriculoperitoneal Shunt Flow in Shunt Malfunction: A Prospective, Multi-Site, Operator-Blinded Study. <i>Neurosurgery</i> , 2020, 87, 939-948.                              | 1.1  | 4         |
| 122 | Mapping Functional Connectivity of Epileptogenic Networks through Virtual Implantation. , 2021, 2021, 408-411.   |      | 4         |
| 123 | Response to Comment on "The Human K-Complex Represents an Isolated Cortical Down-State". <i>Science</i> , 2010, 330, 35-35.  | 12.6 | 3         |
| 124 | Rasmussen encephalitis tissue transfer program. <i>Epilepsia</i> , 2016, 57, 1005-1007.  | 5.1  | 3         |
| 125 | Neural Interactions Underlying Visuomotor Associations in the Human Brain. <i>Cerebral Cortex</i> , 2019, 29, 4551-4567.   | 2.9  | 3         |
| 126 | Anesthetic management and outcomes for MRI-guided laser interstitial thermal therapy (LITT) for seizure focus in pediatrics: A single-centre experience with 10 consecutive patients. <i>Paediatric Anaesthesia</i> , 2021, 31, 234-236. | 1.1  | 3         |



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|-----|--|-----|-----------|
| 127 | A Standardized Electrode Nomenclature for Stereoelectroencephalography Applications. <i>Journal of Clinical Neurophysiology</i> , 2021, 38, 509-515.   | 1.7 | 3         |
| 128 | Virtual implantation using conventional scalp EEG delineates seizure onset and predicts surgical outcome in children with epilepsy. <i>Clinical Neurophysiology</i> , 2022, 139, 49-57.                      | 1.5 | 3         |
| 129 | Cerebrospinal Fluid Anion Transport: Studies of Per technetate in Unanesthetized Sheep. <i>Neurosurgery</i> , 1985, 17, 778-783.   | 1.1 | 2         |
| 130 | Extensions of Granger Causality Calculations on Brain Networks for Efficient and Accurate Seizure Focus Identification via iEEGs. <i>Brain Sciences</i> , 2021, 11, 1167.                                    | 2.3 | 2         |
| 131 | A Noninvasive Retrograde Flushing System for Shunted Hydrocephalus: Initial Case Series of 25 Patients. <i>Cureus</i> , 2020, 12, e8940.   | 0.5 | 2         |
| 132 | Mapping Propagation of Interictal Spikes, Ripples, and Fast Ripples in Intracranial EEG of Children with Refractory Epilepsy. , 2021, 2021, 194-197.   |     | 2         |
| 133 | Posterior quadrant disconnection for refractory epilepsy: how I do it. <i>Acta Neurochirurgica</i> , 2022, , .   | 1.7 | 2         |
| 134 | Limited utility of structural MRI to identify the epileptogenic zone in young children with tuberous sclerosis. <i>Journal of Neuroimaging</i> , 0, , .  | 2.0 | 2         |
| 135 | Connections of the hippocampal formation in humans: II. The endfolial fiber pathway. <i>Journal of Comparative Neurology</i> , 1997, 385, 352-371.   | 1.6 | 1         |
| 136 | Electric Source Imaging on Intracranial EEG Localizes Spatiotemporal Propagation of Interictal Spikes in Children with Epilepsy. , 2021, 2021, 2668-2671.  |     | 1         |
| 137 | Complete Corpus Callosotomy for Refractory Epilepsy in Children: a video article. <i>World Neurosurgery</i> , 2022, , .  | 1.3 | 1         |
| 138 | Gamma EEG dynamics in neocortex and hippocampus during human wakefulness and sleep. <i>NeuroImage</i> , 2004, 22, 1271-1271.   | 4.2 | 0         |
| 139 | Treatment of Intractable Epilepsy by Electrical Stimulation of the Vagus Nerve. , 2012, , 1301-1308.   |     | 0         |
| 140 | Single-stage resection of bottom-of-a-sulcus dysplasia involving eloquent cortex using navigated transcranial magnetic stimulation and intraoperative modalities. <i>Child's Nervous System</i> , 2022, , 1. | 1.1 | 0         |