# Alexander Rotenberg

List of Publications by Year
in descending order

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|---|---|---|---|
| 147 papers | 10,034 citations | 57681 46 h-index | 46524 93 g-index |
| 151 all docs | 151 docs citations | 151 times ranked | 12558 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Automated detection of absence seizures using a wearable electroencephalographic device: a phase 3 validation study and feasibility of automated behavioral testing. Epilepsia, 2023, 64, . | 2.6 | 15 |
| 2 | Biomarkers Obtained by Transcranial Magnetic Stimulation in Neurodevelopmental Disorders. Journal of Clinical Neurophysiology, 2022, 39, 135-148. | 0.9 | 13 |
| 3 | Quantitative Electroencephalography for Early Detection of Elevated Intracranial Pressure in Critically Ill Children: Case Series and Proposed Protocol. Journal of Child Neurology, 2022, 37, 5-11. | 0.7 | 8 |
| 4 | Understanding the Molecular Mechanisms of Succinic Semialdehyde Dehydrogenase Deficiency (SSADHD): Towards the Development of SSADH-Targeted Medicine. International Journal of Molecular Sciences, 2022, 23, 2606. | 1.8 | 11 |
| 5 | Mosaic and non-mosaic protocadherin 19 mutation leads to neuronal hyperexcitability in zebrafish. Neurobiology of Disease, 2022, 169, 105738. | 2.1 | 6 |
| 6 | Single-stage resection of bottom-of-a-sulcus dysplasia involving eloquent cortex using navigated transcranial magnetic stimulation and intraoperative modalities. Child's Nervous System, 2022, , 1. | 0.6 | 0 |
| 7 | Preliminary Report of the Safety and Tolerability of 1ÂHz Repetitive Transcranial Magnetic Stimulation in Temporal Lobe Epilepsy. Journal of Central Nervous System Disease, 2022, 14, 117957352210885. | 0.7 | 1 |
| 8 | Safety and recommendations for TMS use in healthy subjects and patient populations, with updates on training, ethical and regulatory issues: Expert Guidelines. Clinical Neurophysiology, 2021, 132, 269-306. | 0.7 | 553 |
| 9 | In-session seizures during transcranial direct current stimulation in patients with epilepsy. Brain Stimulation, 2021, 14, 152-153. | 0.7 | 7 |
| 10 | Transcranial magnetic stimulation as a translational biomarker for AMPA receptor modulation. Translational Psychiatry, 2021, 11, 325. | 2.4 | 7 |
| 11 | Transcranial Magnetic Stimulation in Succinic Semialdehyde Dehydrogenase Deficiency: A Measure of Maturational Trajectory of Cortical Excitability. Journal of Child Neurology, 2021, 36, 1169-1176. | 0.7 | 2 |
| 12 | Factors influencing the acute pentylenetetrazoleâ€induced seizure paradigm and a literature review. Annals of Clinical and Translational Neurology, 2021, 8, 1388-1397. | 1.7 | 13 |
| 13 | Cis P-tau underlies vascular contribution to cognitive impairment and dementia and can be effectively targeted by immunotherapy in mice. Science Translational Medicine, 2021, 13, . | 5.8 | 34 |
| 14 | Modulation of motor cortical excitability by continuous theta-burst stimulation in adults with autism spectrum disorder. Clinical Neurophysiology, 2021, 132, 1647-1662. | 0.7 | 6 |
| 15 | Personalised, image-guided, noninvasive brain stimulation in gliomas: Rationale, challenges and opportunities. EBioMedicine, 2021, 70, 103514. | 2.7 | 10 |
| 16 | A â€œProof of Conceptâ€•Randomized Controlled Trial of a Video Game Requiring Emotional Regulation to Augment Anger Control Training. Frontiers in Psychiatry, 2021, 12, 591906. | 1.3 | 10 |
| 17 | Clinical Characterization of Epilepsy in Children With Angelman Syndrome. Pediatric Neurology, 2021, 124, 42-50. | 1.0 | 9 |
| 18 | Neuronal Loss of the Glutamate Transporter GLT-1 Promotes Excitotoxic Injury in the Hippocampus. Frontiers in Cellular Neuroscience, 2021, 15, 788262. | 1.8 | 13 |

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|---|---|---|---|
| 19 | Early Repetitive Transcranial Magnetic Stimulation Exerts Neuroprotective Effects and Improves Motor Functions in Hemiparkinsonian Rats. Neural Plasticity, 2021, 2021, 1-14. | 1.0 | 7 |
| 20 | Localized Disruption of Blood Albuminâ€“Phenytoin Binding Using Transcranial Focused Ultrasound. Ultrasound in Medicine and Biology, 2020, 46, 1986-1997. | 0.7 | 12 |
| 21 | Increase in Seizure Susceptibility After Repetitive Concussion Results from Oxidative Stress, Parvalbumin-Positive Interneuron Dysfunction and Biphasic Increases in Glutamate/GABA Ratio. Cerebral Cortex, 2020, 30, 6108-6120. | 1.6 | 22 |
| 22 | EEG markers predictive of epilepsy risk in pediatric cerebral malaria â€“ A feasibility study. Epilepsy and Behavior, 2020, 113, 107536. | 0.9 | 7 |
| 23 | Targeting Gammaâ€Related Pathophysiology in Autism Spectrum Disorder Using Transcranial Electrical Stimulation: Opportunities and Challenges. Autism Research, 2020, 13, 1051-1071. | 2.1 | 16 |
| 24 | Drugâ€Responsive Inhomogeneous Cortical Modulation by Direct Current Stimulation. Annals of Neurology, 2020, 88, 489-502. | 2.8 | 16 |
| 25 | Cortical Excitability, Synaptic Plasticity, and Cognition in Benign Epilepsy With Centrotemporal Spikes: A Pilot TMS-EMG-EEG Study. Journal of Clinical Neurophysiology, 2020, 37, 170-180. | 0.9 | 15 |
| 26 | Safety and Tolerability of Repetitive Transcranial Magnetic Stimulation During Pregnancy: A Case Report and Literature Review. Journal of Clinical Neurophysiology, 2020, 37, 164-169. | 0.9 | 7 |
| 27 | Repurposed molecules for antiepileptogenesis: Missing an opportunity to prevent epilepsy?. Epilepsia, 2020, 61, 359-386. | 2.6 | 57 |
| 28 | Noninvasive Brain Stimulation in Epilepsy. Journal of Clinical Neurophysiology, 2020, 37, 118-130. | 0.9 | 25 |
| 29 | Review of Transcranial Magnetic Stimulation in Epilepsy. Clinical Therapeutics, 2020, 42, 1155-1168. | 1.1 | 34 |
| 30 | Early transcranial direct current stimulation treatment exerts neuroprotective effects on 6-OHDA-induced Parkinsonism in rats. Brain Stimulation, 2020, 13, 655-663. | 0.7 | 18 |
| 31 | Transcranial magnetic stimulation tracks subminute changes in cortical excitability during propofol anesthesia. Annals of Clinical and Translational Neurology, 2020, 7, 384-389. | 1.7 | 2 |
| 32 | Safety of rTMS in patients with intracranial metallic objects. Brain Stimulation, 2020, 13, 928-929. | 0.7 | 2 |
| 33 | Patterns of anti-seizure medication (ASM) use in pediatric patients with surgically managed epilepsy: A retrospective review of data from Boston Childrenâ€™s Hospital. Epilepsy Research, 2020, 160, 106257. | 0.8 | 2 |
| 34 | Continuous Theta-Burst Stimulation in Children With High-Functioning Autism Spectrum Disorder and Typically Developing Children. Frontiers in Integrative Neuroscience, 2020, 14, 13. | 1.0 | 18 |
| 35 | The Potential of Repetitive Transcranial Magnetic Stimulation for Autism Spectrum Disorder: A Consensus Statement. Biological Psychiatry, 2019, 85, e21-e22. | 0.7 | 27 |
| 36 | Maturation of Corticospinal Tracts in Children With Hemiplegic Cerebral Palsy Assessed by Diffusion Tensor Imaging and Transcranial Magnetic Stimulation. Frontiers in Human Neuroscience, 2019, 13, 254. | 1.0 | 18 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | The Developing Brainâ€"Relevance to Pediatric Neurotechnology. , 2019, , 9-30. | | 1 |
| 38 | Electrophysiological Phenotype in Angelman Syndrome Differs Between Genotypes. Biological Psychiatry, 2019, 85, 752-759. | 0.7 | 65 |
| 39 | Testâ€"Retest Reliability of the Effects of Continuous Theta-Burst Stimulation. Frontiers in Neuroscience, 2019, 13, 447. | 1.4 | 41 |
| 40 | Recurrent SLC1A2 variants cause epilepsy via a dominant negative mechanism. Annals of Neurology, 2019, 85, 921-926. | 2.8 | 23 |
| 41 | Neuromodulatory Effects of Transcranial Direct Current Stimulation on Motor Excitability in Rats. Neural Plasticity, 2019, 2019, 1-9. | 1.0 | 12 |
| 42 | Biomarkers Obtained by Transcranial Magnetic Stimulation of the Motor Cortex in Epilepsy. Frontiers in Integrative Neuroscience, 2019, 13, 57. | 1.0 | 30 |
| 43 | Regulation of lifespan by neural excitation and REST. Nature, 2019, 574, 359-364. | 13.7 | 153 |
| 44 | Ceftriaxone Treatment Preserves Cortical Inhibitory Interneuron Function via Transient Salvage of GLT-1 in a Rat Traumatic Brain Injury Model. Cerebral Cortex, 2019, 29, 4506-4518. | 1.6 | 28 |
| 45 | Dietary, immunological, surgical, and other emerging treatments for pediatric refractory status epilepticus. Seizure: the Journal of the British Epilepsy Association, 2019, 68, 89-96. | 0.9 | 20 |
| 46 | Succinic semialdehyde dehydrogenase deficiency, a disorder of GABA metabolism: an update on pharmacological and enzymeâ€replacement therapeutic strategies. Journal of Inherited Metabolic Disease, 2018, 41, 699-708. | 1.7 | 30 |
| 47 | A mouse model of DEPDC5-related epilepsy: Neuronal loss of Depdc5 causes dysplastic and ectopic neurons, increased mTOR signaling, and seizure susceptibility. Neurobiology of Disease, 2018, 111, 91-101. | 2.1 | 79 |
| 48 | Memantine improves outcomes after repetitive traumatic brain injury. Behavioural Brain Research, 2018, 340, 195-204. | 1.2 | 43 |
| 49 | Alterations in the Timing of Huperzine A Cerebral Pharmacodynamics in the Acute Traumatic Brain Injury Setting. Journal of Neurotrauma, 2018, 35, 393-397. | 1.7 | 6 |
| 50 | A randomized controlled trial of levodopa in patients with Angelman syndrome. American Journal of Medical Genetics, Part A, 2018, 176, 1099-1107. | 0.7 | 18 |
| 51 | Electrographic spikes are common in wildtype mice. Epilepsy and Behavior, 2018, 89, 94-98. | 0.9 | 13 |
| 52 | De Novo Pathogenic Variants in CACNA1E Cause Developmental and Epileptic Encephalopathy with Contractures, Macrocephaly, and Dyskinesias. American Journal of Human Genetics, 2018, 103, 666-678. | 2.6 | 87 |
| 53 | mGluR5 Modulation of Behavioral and Epileptic Phenotypes in a Mouse Model of Tuberous Sclerosis Complex. Neuropsychopharmacology, 2018, 43, 1457-1465. | 2.8 | 32 |
| 54 | Transcranial Magnetic and Direct Current Stimulation in Children. Current Neurology and Neuroscience Reports, 2017, 17, 11. | 2.0 | 118 |

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|---|---|---|---|
| 55 | Surface EEG-Transcranial Direct Current Stimulation (tDCS) Closed-Loop System. International Journal of Neural Systems, 2017, 27, 1750026. | 3.2 | 35 |
| 56 | Trajectory of Parvalbumin Cell Impairment and Loss of Cortical Inhibition in Traumatic Brain Injury. Cerebral Cortex, 2017, 27, 5509-5524. | 1.6 | 64 |
| 57 | Huperzine A: A promising anticonvulsant, disease modifying, and memory enhancing treatment option in Alzheimerâ€™s disease. Medical Hypotheses, 2017, 99, 57-62. | 0.8 | 33 |
| 58 | Interindividual variability in response to continuous theta-burst stimulation in healthy adults. Clinical Neurophysiology, 2017, 128, 2268-2278. | 0.7 | 88 |
| 59 | Persistent uncrossed corticospinal connections in patients with intractable focal epilepsy. Epilepsy and Behavior, 2017, 75, 66-71. | 0.9 | 6 |
| 60 | Response to letter to the editor: Safety of transcranial direct current stimulation: Evidence based update 2016. Brain Stimulation, 2017, 10, 986-987. | 0.7 | 8 |
| 61 | Replicable in vivo physiological and behavioral phenotypes of the Shank3B null mutant mouse model of autism. Molecular Autism, 2017, 8, 26. | 2.6 | 135 |
| 62 | The Need for Antiepileptic Drug Chronotherapy to Treat Selected Childhood Epilepsy Syndromes and Avert the Harmful Consequences of Drug Resistance. Journal of Central Nervous System Disease, 2017, 9, 117957351668588. | 0.7 | 11 |
| 63 | The Number of Pulses Needed to Measure Corticospinal Excitability by Navigated Transcranial Magnetic Stimulation: Eyes Open vs. Close Condition. Frontiers in Human Neuroscience, 2017, 11, 121. | 1.0 | 12 |
| 64 | Neuromodulation in Epilepsy. , 2017, , 619-623. | | 0 |
| 65 | Relationship of mechanical impact magnitude to neurologic dysfunction severity in a rat traumatic brain injury model. PLoS ONE, 2017, 12, e0178186. | 1.1 | 29 |
| 66 | N100 Repetition Suppression Indexes Neuroplastic Defects in Clinical High Risk and Psychotic Youth. Neural Plasticity, 2016, 2016, 1-11. | 1.0 | 6 |
| 67 | Construction and Evaluation of Rodent-Specific rTMS Coils. Frontiers in Neural Circuits, 2016, 10, 47. | 1.4 | 70 |
| 68 | Characterizing and Modulating Brain Circuitry through Transcranial Magnetic Stimulation Combined with Electroencephalography. Frontiers in Neural Circuits, 2016, 10, 73. | 1.4 | 113 |
| 69 | Direct current stimulation induces mGluR5â€dependent neocortical plasticity. Annals of Neurology, 2016, 80, 233-246. | 2.8 | 50 |
| 70 | Huperzine A as a neuroprotective and antiepileptic drug: a review of preclinical research. Expert Review of Neurotherapeutics, 2016, 16, 671-680. | 1.4 | 65 |
| 71 | H-coil repetitive transcranial magnetic stimulation for treatment of temporal lobe epilepsy: A case report. Epilepsy & Behavior Case Reports, 2016, 5, 52-56. | 1.5 | 24 |
| 72 | Bursts of high-frequency repetitive transcranial magnetic stimulation (rTMS), together with lorazepam, suppress seizures in a rat kainate status epilepticus model. Epilepsy and Behavior, 2016, 62, 136-139. | 0.9 | 20 |

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|---|---|---|---|
| 73 | Pediatric Neuromodulation Comes of Age. Journal of Child and Adolescent Psychopharmacology, 2016, 26, 578-581. | 0.7 | 14 |
| 74 | Safety of Transcranial Direct Current Stimulation: Evidence Based Update 2016. Brain Stimulation, 2016, 9, 641-661. | 0.7 | 971 |
| 75 | Abnormal Mechanisms of Plasticity and Metaplasticity in Autism Spectrum Disorders and Fragile X Syndrome. Journal of Child and Adolescent Psychopharmacology, 2016, 26, 617-624. | 0.7 | 33 |
| 76 | Transcranial magnetic stimulation in autism spectrum disorder: Challenges, promise, and roadmap for future research. Autism Research, 2016, 9, 184-203. | 2.1 | 71 |
| 77 | Safety of repetitive transcranial magnetic stimulation in patients with epilepsy: A systematic review. Epilepsy and Behavior, 2016, 57, 167-176. | 0.9 | 71 |
| 78 | Noninvasive Brain Stimulation in Pediatric Attention-Deficit Hyperactivity Disorder (ADHD). Journal of Child Neurology, 2016, 31, 784-796. | 0.7 | 53 |
| 79 | Microarray Noninvasive Neuronal Seizure Recordings from Intact Larval Zebrafish. PLoS ONE, 2016, 11, e0156498. | 1.1 | 24 |
| 80 | Acute seizure suppression by transcranial direct current stimulation in rats. Annals of Clinical and Translational Neurology, 2015, 2, 843-856. | 1.7 | 48 |
| 81 | Neurophysiological differences between patients clinically at high risk for schizophrenia and neurotypical controls â€“ first steps in development of a biomarker. BMC Medicine, 2015, 13, 276. | 2.3 | 3 |
| 82 | Novel Use of Theta Burst Cortical Electrical Stimulation for Modulating Motor Plasticity in Rats. Journal of Medical and Biological Engineering, 2015, 35, 62-68. | 1.0 | 12 |
| 83 | Antibody against early driver of neurodegeneration cis P-tau blocks brain injury and tauopathy. Nature, 2015, 523, 431-436. | 13.7 | 374 |
| 84 | Seizure-like activity in a juvenile Angelman syndrome mouse model is attenuated by reducing Arc expression. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 5129-5134. | 3.3 | 66 |
| 85 | Glutamate and GABA Imbalance Following Traumatic Brain Injury. Current Neurology and Neuroscience Reports, 2015, 15, 27. | 2.0 | 336 |
| 86 | Conditional Deletion of the Glutamate Transporter GLT-1 Reveals That Astrocytic GLT-1 Protects against Fatal Epilepsy While Neuronal GLT-1 Contributes Significantly to Glutamate Uptake into Synaptosomes. Journal of Neuroscience, 2015, 35, 5187-5201. | 1.7 | 249 |
| 87 | Huperzine A prophylaxis against pentylenetetrazole-induced seizures in rats is associated with increased cortical inhibition. Epilepsy Research, 2015, 117, 97-103. | 0.8 | 34 |
| 88 | Early auditory processing evoked potentials (N100) show a continuum of blunting from clinical high risk to psychosis in a pediatric sample. Schizophrenia Research, 2015, 169, 340-345. | 1.1 | 20 |
| 89 | Functional Dopaminergic Neurons in Substantia Nigra are Required for Transcranial Magnetic Stimulation-Induced Motor Plasticity. Cerebral Cortex, 2015, 25, 1806-1814. | 1.6 | 45 |
| 90 | Use of Transcranial Magnetic Stimulation in Autism Spectrum Disorders. Journal of Autism and Developmental Disorders, 2015, 45, 524-536. | 1.7 | 66 |

| # | Article | IF | Citations |
|---|---|---|---|
| 91 | Suppression of Motor Cortical Excitability in Anesthetized Rats by Low Frequency Repetitive Transcranial Magnetic Stimulation. PLoS ONE, 2014, 9, e91065. | 1.1 | 59 |
| 92 | Modulation of corticospinal excitability by transcranial magnetic stimulation in children and adolescents with autism spectrum disorder. Frontiers in Human Neuroscience, 2014, 8, 627. | 1.0 | 42 |
| 93 | EEG abnormalities and seizures in genetically diagnosed Fragile X syndrome. International Journal of Developmental Neuroscience, 2014, 38, 155-160. | 0.7 | 32 |
| 94 | Passive fMRI mapping of language function for pediatric epilepsy surgical planning: Validation using Wada, ECS, and FMAER. Epilepsy Research, 2014, 108, 1874-1888. | 0.8 | 30 |
| 95 | Hippocampal immediate early gene transcription in the rat fluid percussion traumatic brain injury model. NeuroReport, 2014, 25, 954-959. | 0.6 | 20 |
| 96 | Outcomes of vagal nerve stimulation in a pediatric population: A single center experience. Seizure: the Journal of the British Epilepsy Association, 2014, 23, 105-111. | 0.9 | 24 |
| 97 | Clobazam: Effect on Frequency of Seizures and Safety Profile inÂDifferent Subgroups of Children With Epilepsy. Pediatric Neurology, 2014, 51, 60-66. | 1.0 | 18 |
| 98 | Comparison of pediatric patients with status epilepticus lasting 5â€“29min versus â‰¥30min. Epilepsy and Behavior, 2014, 37, 1-6. | 0.9 | 12 |
| 99 | Safety and retention rate of rufinamide in 300 patients: A single pediatric epilepsy center experience. Epilepsia, 2014, 55, 1235-1244. | 2.6 | 21 |
| 100 | Corticosteroid therapy in regressive autism: a retrospective study of effects on the Frequency Modulated Auditory Evoked Response (FMAER), language, and behavior. BMC Neurology, 2014, 14, 70. | 0.8 | 36 |
| 101 | A Measure of Acoustic Noise Generated From Transcranial Magnetic StimulationÂCoils. Brain Stimulation, 2014, 7, 432-434. | 0.7 | 30 |
| 102 | Comparison of risk factors for pediatric convulsive status epilepticus when defined as seizures â‰¥5min versus seizures â‰¥30min. Seizure: the Journal of the British Epilepsy Association, 2014, 23, 692-698. | 0.9 | 8 |
| 103 | Transcranial magnetic stimulation (TMS) therapy for autism: an international consensus conference held in conjunction with the international meeting for autism research on May 13th and 14th, 2014. Frontiers in Human Neuroscience, 2014, 8, 1034. | 1.0 | 9 |
| 104 | The Transcranial Magnetic Stimulation (TMS) Device and Foundational Techniques. Neuromethods, 2014, , 3-13. | 0.2 | 19 |
| 105 | Ceftriaxone Treatment after Traumatic Brain Injury Restores Expression of the Glutamate Transporter, GLT-1, Reduces Regional Gliosis, and Reduces Post-Traumatic Seizures in the Rat. Journal of Neurotrauma, 2013, 30, 1434-1441. | 1.7 | 142 |
| 106 | The frequency modulated auditory evoked response (FMAER), a technical advance for study of childhood language disorders: cortical source localization and selected case studies. BMC Neurology, 2013, 13, 12. | 0.8 | 19 |
| 107 | Epilepsy. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2013, 116, 491-497. | 1.0 | 5 |
| 108 | Transcranial magnetic stimulation for refractory focal status epilepticus in the intensive care unit. Seizure: the Journal of the British Epilepsy Association, 2013, 22, 893-896. | 0.9 | 47 |

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|---|---|---|---|
| 109 | Transcranial Direct Current Stimulation for Treatment of Refractory Childhood FocalÂEpilepsy. Brain Stimulation, 2013, 6, 696-700. | 0.7 | 146 |
| 110 | Automated quantification of spikes. Epilepsy and Behavior, 2013, 26, 143-152. | 0.9 | 29 |
| 111 | Patients With Electrical Status Epilepticus in Sleep Share Similar Clinical Features Regardless of Their Focal or Generalized Sleep Potentiation of Epileptiform Activity. Journal of Child Neurology, 2013, 28, 83-89. | 0.7 | 18 |
| 112 | â€œRAGE-Controlâ€ A Game to Build Emotional Strength. Games for Health Journal, 2013, 2, 53-57. | 1.1 | 30 |
| 113 | Bumetanide Enhances Phenobarbital Efficacy in a Rat Model of Hypoxic Neonatal Seizures. PLoS ONE, 2013, 8, e57148. | 1.1 | 117 |
| 114 | Contribution of axonal orientation to pathway-dependent modulation of excitatory transmission by direct current stimulation in isolated rat hippocampus. Journal of Neurophysiology, 2012, 107, 1881-1889. | 0.9 | 195 |
| 115 | A new measure of cortical inhibition by mechanomyography and paired-pulse transcranial magnetic stimulation in unanesthetized rats. Journal of Neurophysiology, 2012, 107, 966-972. | 0.9 | 45 |
| 116 | Transcranial magnetic stimulation induces current pulses in transcranial direct current stimulation electrodes. , 2012, 2012, 811-4. | | 0 |
| 117 | Short-Term Response of Sleep-Potentiated Spiking to High-Dose Diazepam in Electric Status Epilepticus During Sleep. Pediatric Neurology, 2012, 46, 312-318. | 1.0 | 25 |
| 118 | Translational Neuromodulation: Approximating Human Transcranial Magnetic Stimulation Protocols in Rats. Neuromodulation, 2012, 15, 296-305. | 0.4 | 34 |
| 119 | Minimal heating of aneurysm clips during repetitive transcranial magnetic stimulation. Clinical Neurophysiology, 2012, 123, 1471-1473. | 0.7 | 17 |
| 120 | Clinical research with transcranial direct current stimulation (tDCS): Challenges and future directions. Brain Stimulation, 2012, 5, 175-195. | 0.7 | 1,122 |
| 121 | Safety and tolerability of repetitive transcranial magnetic stimulation in patients with pathologic positive sensory phenomena: A review of literature. Brain Stimulation, 2012, 5, 320-329.e27. | 0.7 | 33 |
| 122 | Circadian patterns of generalized tonicâ€“clonic evolutions in pediatric epilepsy patients. Seizure: the Journal of the British Epilepsy Association, 2012, 21, 535-539. | 0.9 | 29 |
| 123 | Clinical staging and electroencephalographic evolution of continuous spikes and waves during sleep. Epilepsia, 2012, 53, 1185-1195. | 2.6 | 60 |
| 124 | Transcranial Brain Stimulation: Clinical Applications and Future Directions. Neurosurgery Clinics of North America, 2011, 22, 233-251. | 0.8 | 50 |
| 125 | An estimate of placebo effect of repetitive transcranial magnetic stimulation in epilepsy. Epilepsy and Behavior, 2011, 20, 355-359. | 0.9 | 58 |
| 126 | Experience With Lacosamide in a Series of Children With Drug-Resistant Focal Epilepsy. Pediatric Neurology, 2011, 44, 414-419. | 1.0 | 65 |

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|---|---|---|---|
| 127 | Measures of Cortical Inhibition by Paired-Pulse Transcranial Magnetic Stimulation in Anesthetized Rats. Journal of Neurophysiology, 2011, 105, 615-624. | 0.9 | 39 |
| 128 | Development of later life spontaneous seizures in a rodent model of hypoxiaâ€induced neonatal seizures. Epilepsia, 2011, 52, 753-765. | 2.6 | 102 |
| 129 | Characterizing Brain Cortical Plasticity and Network Dynamics Across the Age-Span in Health and Disease with TMS-EEG and TMS-fMRI. Brain Topography, 2011, 24, 302-315. | 0.8 | 318 |
| 130 | Prospects for Clinical Applications of Transcranial Magnetic Stimulation and Real-Time EEG in Epilepsy. Brain Topography, 2010, 22, 257-266. | 0.8 | 47 |
| 131 | Highâ€dose intravenous levetiracetam for acute seizure exacerbation in children with intractable epilepsy. Epilepsia, 2010, 51, 1319-1322. | 2.6 | 27 |
| 132 | Transcranial magnetic stimulation provides means to assess cortical plasticity and excitability in humans with fragile X syndrome and autism spectrum disorder. Frontiers in Synaptic Neuroscience, 2010, 2, 26. | 1.3 | 74 |
| 133 | Lateralization of forelimb motor evoked potentials by transcranial magnetic stimulation in rats. Clinical Neurophysiology, 2010, 121, 104-108. | 0.7 | 73 |
| 134 | Experience With Rufinamide in a Pediatric Population: A Single Center's Experience. Pediatric Neurology, 2010, 43, 155-158. | 1.0 | 54 |
| 135 | Repetitive transcranial magnetic stimulation in the treatment of epilepsia partialis continua. Epilepsy and Behavior, 2009, 14, 253-257. | 0.9 | 115 |
| 136 | In-session seizures during low-frequency repetitive transcranial magnetic stimulation in patients with epilepsy. Epilepsy and Behavior, 2009, 16, 353-355. | 0.9 | 45 |
| 137 | Safety of 1Hz repetitive transcranial magnetic stimulation (rTMS) in patients with titanium skull plates. Clinical Neurophysiology, 2009, 120, 1417. | 0.7 | 17 |
| 138 | Seizure suppression by EEG-guided repetitive transcranial magnetic stimulation in the rat. Clinical Neurophysiology, 2008, 119, 2697-2702. | 0.7 | 55 |
| 139 | Transient suppression of seizures by repetitive transcranial magnetic stimulation in a case of Rasmussenâ€™s encephalitis. Epilepsy and Behavior, 2008, 13, 260-262. | 0.9 | 31 |
| 140 | Transcranial Magnetic Stimulation in Child Neurology: Current and Future Directions. Journal of Child Neurology, 2008, 23, 79-96. | 0.7 | 149 |
| 141 | A Mouse Model of Tuberous Sclerosis: Neuronal Loss of Tsc1 Causes Dysplastic and Ectopic Neurons, Reduced Myelination, Seizure Activity, and Limited Survival. Journal of Neuroscience, 2007, 27, 5546-5558. | 1.7 | 410 |
| 142 | Safety and tolerability of repetitive transcranial magnetic stimulation in patients with epilepsy: a review of the literature. Epilepsy and Behavior, 2007, 10, 521-528. | 0.9 | 176 |
| 143 | Minimal heating of titanium skull plates during 1Hz repetitive transcranial magnetic stimulation. Clinical Neurophysiology, 2007, 118, 2536-2538. | 0.7 | 31 |
| 144 | Electroencephalographic recording during transcranial magnetic stimulation in humans and animals. Clinical Neurophysiology, 2006, 117, 1870-1875. | 0.7 | 68 |

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|---|---|---|---|
| 145 | Seizure-Induced Changes in Place Cell Physiology: Relationship to Spatial Memory. Journal of Neuroscience, 2003, 23, 11505-11515. | 1.7 | 111 |
| 146 | Parallel Instabilities of Long-Term Potentiation, Place Cells, and Learning Caused by Decreased Protein Kinase A Activity. Journal of Neuroscience, 2000, 20, 8096-8102. | 1.7 | 116 |
| 147 | Mice Expressing Activated CaMKII Lack Low Frequency LTP and Do Not Form Stable Place Cells in the CA1 Region of the Hippocampus. Cell, 1996, 87, 1351-1361. | 13.5 | 243 |