

Behzad Elahi

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

1,122
citations

516710
16
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25
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docs citations

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times ranked

1352
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Effect of Device Configuration and Patient's Body Composition on the <scp>RF</scp> Heating and Nonsusceptibility Artifact of Deep Brain Stimulation Implants During <scp>MRI</scp> at 1.5T and 3T. Journal of Magnetic Resonance Imaging, 2021, 53, 599-610. | 3.4 | 36 |
| 2 | Safety and image quality at 7T MRI for deep brain stimulation systems: Ex vivo study with lead-only and full-systems. PLoS ONE, 2021, 16, e0257077. | 2.5 | 27 |
| 3 | Patient-specific modeling of the volume of tissue activated (VTA) is associated with clinical outcome of DBS in patients with an obsessive-compulsive disorder. , 2021, 2021, 5889-5892. | | 5 |
| 4 | Device Configuration and Patient's Body Composition Significantly Affect RF Heating of Deep Brain Stimulation Implants During MRI: An Experimental Study at 1.5T and 3T. , 2020, 2020, 5192-5197. | | 4 |
| 5 | RF heating of deep brain stimulation implants during MRI in 1.2 T vertical scanners versus 1.5 T horizontal systems: A simulation study with realistic lead configurations. , 2020, 2020, 6143-6146. | | 11 |
| 6 | Effect of Biophysical Model Complexity on Predictions of Volume of Tissue Activated (VTA) during Deep Brain Stimulation. , 2020, 2020, 3629-3633. | | 2 |
| 7 | Neuromuscular transmission defects in myopathies: Rare but worth searching for. Muscle and Nerve, 2019, 59, 475-478. | 2.2 | 12 |
| 8 | Reconfigurable MRI coil technology can substantially reduce RF heating of deep brain stimulation implants: First in-vitro study of RF heating reduction in bilateral DBS leads at 1.5 T. PLoS ONE, 2019, 14, e0220043. | 2.5 | 43 |
| 9 | Reconfigurable MRI technology for low-SAR imaging of deep brain stimulation at 3T: Application in bilateral leads, fully-implanted systems, and surgically modified lead trajectories. Neurolmage, 2019, 199, 18-29. | 4.2 | 51 |
| 10 | Rubber hand illusion modulates the influences of somatosensory and parietal inputs to the motor cortex. Journal of Neurophysiology, 2019, 121, 563-573. | 1.8 | 34 |
| 11 | RF-induced heating in tissue near bilateral DBS implants during MRI at 1.5T and 3T: The role of surgical lead management. Neurolmage, 2019, 184, 566-576. | 4.2 | 92 |
| 12 | Human dorsomedial parieto-motor circuit specifies grasp during the planning of goal-directed hand actions. Cortex, 2017, 92, 175-186. | 2.4 | 42 |
| 13 | Efficacy and Safety of Pedunculopontine Nuclei (PPN) Deep Brain Stimulation in the Treatment of Gait Disorders: A Meta-Analysis of Clinical Studies. Canadian Journal of Neurological Sciences, 2016, 43, 120-126. | 0.5 | 32 |
| 14 | Dose-response curve of associative plasticity in human motor cortex and interactions with motor practice. Journal of Neurophysiology, 2014, 111, 594-601. | 1.8 | 17 |
| 15 | Analysis of fractal electrodes for efficient neural stimulation. Frontiers in Neuroengineering, 2013, 6, 3. | 4.8 | 35 |
| 16 | Short-interval intracortical inhibition blocks long-term potentiation induced by paired associative stimulation. Journal of Neurophysiology, 2012, 107, 1935-1941. | 1.8 | 37 |
| 17 | Combined use of transcranial magnetic stimulation and metal electrode implants: a theoretical assessment of safety considerations. Physics in Medicine and Biology, 2012, 57, 7813-7827. | 3.0 | 19 |
| 18 | N-Methyl-D-Aspartate Antagonists in Levodopa Induced Dyskinesia: A Meta-Analysis. Canadian Journal of Neurological Sciences, 2012, 39, 465-472. | 0.5 | 31 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Extreme task specificity: Is it dystonia or another form of motor programming abnormality?. Movement Disorders, 2012, 27, 1202-1203. | 3.9 | 2 |
| 20 | Does it Make a Difference Which Interferon- γ to use for Relapse and Remitting Multiple Sclerosis (RRMS)?. International Journal of Pharmacology, 2011, 7, 542-543. | 0.3 | 1 |
| 21 | Effect of transcranial magnetic stimulation on Parkinson motor function”Systematic review of controlled clinical trials. Movement Disorders, 2009, 24, 357-363. | 3.9 | 193 |
| 22 | Benefit of antibiotic therapy on pouchitis after ileal pouch anal anastomosis: A systematic review and meta-analysis of clinical trials. Open Medicine (Poland), 2009, 4, 164-170. | 1.3 | 8 |
| 23 | Long-Term Evaluation of Complications and Results of Photorefractive Keratectomy in Myopia: An 8-Year Follow-Up. Cornea, 2009, 28, 304-310. | 1.7 | 35 |
| 24 | Vector Analysis of Cross Cylinder LASIK With the NIDEK EC-5000 Excimer Laser for High Astigmatism. Journal of Refractive Surgery, 2009, 25, 1075-1082. | 2.3 | 11 |
| 25 | On the Benefit of Probiotics in the Management of Pouchitis in Patients Underwent Ileal Pouch Anal Anastomosis: A Meta-analysis of Controlled Clinical Trials. Digestive Diseases and Sciences, 2008, 53, 1278-1284. | 2.3 | 124 |
| 26 | A Meta-Analysis on the Efficacy of Probiotics for Maintenance of Remission and Prevention of Clinical and Endoscopic Relapse in Crohn’s Disease. Digestive Diseases and Sciences, 2008, 53, 2524-2531. | 2.3 | 164 |
| 27 | Investigating the effects of external fields polarization on the coupling of pure magnetic waves in the human body in very low frequencies. Biomagnetic Research and Technology, 2007, 5, 3. | 2.0 | 9 |
| 28 | Magnetic characterization of superparamagnetic nanoparticles pulled through model membranes. Biomagnetic Research and Technology, 2007, 5, 1. | 2.0 | 39 |
| 29 | Hemophagocytic lymphohistiocytosis in a neonate with cutis marmorata telangiectatica congenita. Journal of King Abdulaziz University, Islamic Economics, 2006, 27, 1751-3. | 1.1 | 1 |