

Behzad Elahi

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

1,122
citations

516215

16
h-index

580395

25
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32
all docs

32
docs citations

32
times ranked

1352
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of Device Configuration and Patient's Body Composition on the RF Heating and Nonsusceptibility Artifact of Deep Brain Stimulation Implants During MRI at 1.5T and 3T. <i>Journal of Magnetic Resonance Imaging</i> , 2021, 53, 599-610.	1.9	36
2	Safety and image quality at 7T MRI for deep brain stimulation systems: Ex vivo study with lead-only and full-systems. <i>PLoS ONE</i> , 2021, 16, e0257077.	1.1	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. <i>Muscle and Nerve</i> , 2019, 59, 475-478.	1.0	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. <i>PLoS ONE</i> , 2019, 14, e0220043.	1.1	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. <i>NeuroImage</i> , 2019, 199, 18-29.	2.1	51
10	Rubber hand illusion modulates the influences of somatosensory and parietal inputs to the motor cortex. <i>Journal of Neurophysiology</i> , 2019, 121, 563-573.	0.9	34
11	RF-induced heating in tissue near bilateral DBS implants during MRI at 1.5T and 3T: The role of surgical lead management. <i>NeuroImage</i> , 2019, 184, 566-576.	2.1	92
12	Human dorsomedial parieto-motor circuit specifies grasp during the planning of goal-directed hand actions. <i>Cortex</i> , 2017, 92, 175-186.	1.1	42
13	Efficacy and Safety of Pedunculopontine Nuclei (PPN) Deep Brain Stimulation in the Treatment of Gait Disorders: A Meta-Analysis of Clinical Studies. <i>Canadian Journal of Neurological Sciences</i> , 2016, 43, 120-126.	0.3	32
14	Dose-response curve of associative plasticity in human motor cortex and interactions with motor practice. <i>Journal of Neurophysiology</i> , 2014, 111, 594-601.	0.9	17
15	Analysis of fractal electrodes for efficient neural stimulation. <i>Frontiers in Neuroengineering</i> , 2013, 6, 3.	4.8	35
16	Short-interval intracortical inhibition blocks long-term potentiation induced by paired associative stimulation. <i>Journal of Neurophysiology</i> , 2012, 107, 1935-1941.	0.9	37
17	Combined use of transcranial magnetic stimulation and metal electrode implants: a theoretical assessment of safety considerations. <i>Physics in Medicine and Biology</i> , 2012, 57, 7813-7827.	1.6	19
18	N-Methyl-D-Aspartate Antagonists in Levodopa Induced Dyskinesia: A Meta-Analysis. <i>Canadian Journal of Neurological Sciences</i> , 2012, 39, 465-472.	0.3	31

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19	Extreme task specificity: Is it dystonia or another form of motor programming abnormality?. <i>Movement Disorders</i> , 2012, 27, 1202-1203.	2.2	2
20	Does it Make a Difference Which Interferon- β to use for Relapse and Remitting Multiple Sclerosis (RRMS)?. <i>International Journal of Pharmacology</i> , 2011, 7, 542-543.	0.1	1
21	Effect of transcranial magnetic stimulation on Parkinson motor function—Systematic review of controlled clinical trials. <i>Movement Disorders</i> , 2009, 24, 357-363.	2.2	193
22	Benefit of antibiotic therapy on pouchitis after ileal pouch anal anastomosis: A systematic review and meta-analysis of clinical trials. <i>Open Medicine (Poland)</i> , 2009, 4, 164-170.	0.6	8
23	Long-Term Evaluation of Complications and Results of Photorefractive Keratectomy in Myopia: An 8-Year Follow-Up. <i>Cornea</i> , 2009, 28, 304-310.	0.9	35
24	Vector Analysis of Cross Cylinder LASIK With the NIDEK EC-5000 Excimer Laser for High Astigmatism. <i>Journal of Refractive Surgery</i> , 2009, 25, 1075-1082.	1.1	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. <i>Digestive Diseases and Sciences</i> , 2008, 53, 1278-1284.	1.1	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. <i>Digestive Diseases and Sciences</i> , 2008, 53, 2524-2531.	1.1	164
27	Investigating the effects of external fields polarization on the coupling of pure magnetic waves in the human body in very low frequencies. <i>Biomagnetic Research and Technology</i> , 2007, 5, 3.	2.0	9
28	Magnetic characterization of superparamagnetic nanoparticles pulled through model membranes. <i>Biomagnetic Research and Technology</i> , 2007, 5, 1.	2.0	39
29	Hemophagocytic lymphohistiocytosis in a neonate with cutis marmorata telangiectatica congenita. <i>Journal of King Abdulaziz University, Islamic Economics</i> , 2006, 27, 1751-3.	0.5	1