Konstantin Weise

List of Publications by Year
in descending order

16 papers	406 citations	1040056 9 h-index	940533 16 g-index
18 all docs	18 docs citations	18 times ranked	357 citing authors

#	Article	IF	Citations
1	A novel approach to localize cortical TMS effects. NeuroImage, 2020, 209, 116486.	4.2	112
2	A principled approach to conductivity uncertainty analysis in electric field calculations. NeuroImage, 2019, 188, 821-834.	4.2	96
3	Efficient high-resolution TMS mapping of the human motor cortex by nonlinear regression. NeuroImage, 2021, 245, 118654.	4.2	33
4	Left posterior inferior parietal cortex causally supports the retrieval of action knowledge. NeuroImage, 2020, 219, 117041.	4.2	32
5	Uncertainty Analysis in Transcranial Magnetic Stimulation Using Nonintrusive Polynomial Chaos Expansion. IEEE Transactions on Magnetics, 2015, 51, 1-8.	2.1	21
6	Optimal Magnet Design for Lorentz Force Eddy-Current Testing. IEEE Transactions on Magnetics, 2015, 51, 1-15.	2.1	17
7	Pygpc: A sensitivity and uncertainty analysis toolbox for Python. SoftwareX, 2020, 11, 100450.	2.6	17
8	Lorentz Force Evaluation With Differential Evolution. IEEE Transactions on Magnetics, 2016, 52, 1-10.	2.1	14
9	Oscillatory Motion of Permanent Magnets Above a Conducting Slab. IEEE Transactions on Magnetics, 2015, 51, 1-13.	2.1	12
10	The effect of meninges on the electric fields in TES and TMS. Numerical modeling with adaptive mesh refinement. Brain Stimulation, 2022, 15, 654-663.	1.6	12
11	Boundary element fast multipole method for modeling electrical brain stimulation with voltage and current electrodes. Journal of Neural Engineering, 2021, 18, 0460d4.	3.5	11
12	Fast MOR-Based Approach to Uncertainty Quantification in Transcranial Magnetic Stimulation. IEEE Transactions on Magnetics, 2016, 52, 1-4.	2.1	9
13	Lorentz Force on Permanent Magnet Rings by Moving Electrical Conductors. IEEE Transactions on Magnetics, 2015, 51, 1-11.	2.1	8
14	Computation of Lorentz Force and 3-D Eddy Current Distribution in Translatory Moving Conductors in the Field of a Permanent Magnet. IEEE Transactions on Magnetics, 2017, 53, 1-9.	2.1	5
15	SCSM for Calculation of Motion-Induced Eddy Currents in Isotropic and Anisotropic Conductive Objects. IEEE Transactions on Magnetics, 2018, 54, 1-4.	2.1	3
16	Assessment of Two Forward Solution Approaches in Lorentz Force Evaluation. IEEE Transactions on Magnetics, 2018, 54, 1-5.	2.1	2