

# Konstantin Weise

## List of Publications by Year in descending order

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16  
papers

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citations

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times ranked

357  
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#	ARTICLE	IF	CITATIONS
1	The effect of meninges on the electric fields in TES and TMS. Numerical modeling with adaptive mesh refinement. <i>Brain Stimulation</i> , 2022, 15, 654-663.	1.6	12
2	Boundary element fast multipole method for modeling electrical brain stimulation with voltage and current electrodes. <i>Journal of Neural Engineering</i> , 2021, 18, 0460d4.	3.5	11
3	Efficient high-resolution TMS mapping of the human motor cortex by nonlinear regression. <i>NeuroImage</i> , 2021, 245, 118654.	4.2	33
4	A novel approach to localize cortical TMS effects. <i>NeuroImage</i> , 2020, 209, 116486.	4.2	112
5	Left posterior inferior parietal cortex causally supports the retrieval of action knowledge. <i>NeuroImage</i> , 2020, 219, 117041.	4.2	32
6	Pygpc: A sensitivity and uncertainty analysis toolbox for Python. <i>SoftwareX</i> , 2020, 11, 100450.	2.6	17
7	A principled approach to conductivity uncertainty analysis in electric field calculations. <i>NeuroImage</i> , 2019, 188, 821-834.	4.2	96
8	SCSM for Calculation of Motion-Induced Eddy Currents in Isotropic and Anisotropic Conductive Objects. <i>IEEE Transactions on Magnetics</i> , 2018, 54, 1-4.	2.1	3
9	Assessment of Two Forward Solution Approaches in Lorentz Force Evaluation. <i>IEEE Transactions on Magnetics</i> , 2018, 54, 1-5.	2.1	2
10	Computation of Lorentz Force and 3-D Eddy Current Distribution in Translatory Moving Conductors in the Field of a Permanent Magnet. <i>IEEE Transactions on Magnetics</i> , 2017, 53, 1-9.	2.1	5
11	Fast MOR-Based Approach to Uncertainty Quantification in Transcranial Magnetic Stimulation. <i>IEEE Transactions on Magnetics</i> , 2016, 52, 1-4.	2.1	9
12	Lorentz Force Evaluation With Differential Evolution. <i>IEEE Transactions on Magnetics</i> , 2016, 52, 1-10.	2.1	14
13	Uncertainty Analysis in Transcranial Magnetic Stimulation Using Nonintrusive Polynomial Chaos Expansion. <i>IEEE Transactions on Magnetics</i> , 2015, 51, 1-8.	2.1	21
14	Oscillatory Motion of Permanent Magnets Above a Conducting Slab. <i>IEEE Transactions on Magnetics</i> , 2015, 51, 1-13.	2.1	12
15	Optimal Magnet Design for Lorentz Force Eddy-Current Testing. <i>IEEE Transactions on Magnetics</i> , 2015, 51, 1-15.	2.1	17
16	Lorentz Force on Permanent Magnet Rings by Moving Electrical Conductors. <i>IEEE Transactions on Magnetics</i> , 2015, 51, 1-11.	2.1	8