

Zydrunas Gimbutas

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

638
citations

840776

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1125743

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g-index

14
all docs

14
docs citations

14
times ranked

449
citing authors

#	ARTICLE	IF	CITATIONS
1	A wideband fast multipole method for the Helmholtz equation in three dimensions. <i>Journal of Computational Physics</i> , 2006, 216, 300-325.	3.8	242
2	A Nonlinear Optimization Procedure for Generalized Gaussian Quadratures. <i>SIAM Journal of Scientific Computing</i> , 2010, 32, 1761-1788.	2.8	79
3	The Decoupled Potential Integral Equation for Time-Harmonic Electromagnetic Scattering. <i>Communications on Pure and Applied Mathematics</i> , 2016, 69, 771-812.	3.1	60
4	A Nyström method for weakly singular integral operators on surfaces. <i>Journal of Computational Physics</i> , 2012, 231, 4885-4903.	3.8	48
5	A standard system phantom for magnetic resonance imaging. <i>Magnetic Resonance in Medicine</i> , 2021, 86, 1194-1211.	3.0	44
6	Computational Software: Simple FMM Libraries for Electrostatics, Slow Viscous Flow, and Frequency-Domain Wave Propagation. <i>Communications in Computational Physics</i> , 2015, 18, 516-528.	1.7	30
7	Overcoming Low-Frequency Breakdown of the Magnetic Field Integral Equation. <i>IEEE Transactions on Antennas and Propagation</i> , 2013, 61, 1285-1290.	5.1	28
8	On the numerical evaluation of the singular integrals of scattering theory. <i>Journal of Computational Physics</i> , 2013, 251, 327-343.	3.8	22
9	Boundary integral equation analysis on the sphere. <i>Numerische Mathematik</i> , 2014, 128, 463-487.	1.9	22
10	Multi-site, multi-platform comparison of MRI T1 measurement using the system phantom. <i>PLoS ONE</i> , 2021, 16, e0252966.	2.5	20
11	Assessing effects of scanner upgrades for clinical studies. <i>Journal of Magnetic Resonance Imaging</i> , 2019, 50, 1948-1954.	3.4	17
12	A Consistency Condition for the Vector Potential in Multiply-Connected Domains. <i>IEEE Transactions on Magnetics</i> , 2013, 49, 1072-1076.	2.1	10
13	A fast simple algorithm for computing the potential of charges on a line. <i>Applied and Computational Harmonic Analysis</i> , 2020, 49, 815-830.	2.2	7