Elwin van 't Wout

List of Publications by Year
in descending order

16	124	1307594	1281871
papers	citations	7	11
		h-index	g-index

16	16	16	90
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Stable and efficient FEM-BEM coupling with OSRC regularisation for acoustic wave transmission. Journal of Computational Physics, 2022, 450, 110867.	3.8	2
2	Boundary integral formulations for acoustic modelling of high-contrast media. Computers and Mathematics With Applications, 2022, 105, 136-149.	2.7	3
3	Towards optimal boundary integral formulations of the <scp>Poisson–Boltzmann</scp> equation for molecular electrostatics. Journal of Computational Chemistry, 2022, 43, 674-691.	3.3	5
4	Frequency-robust preconditioning of boundary integral equations for acoustic transmission. Journal of Computational Physics, 2022, 462, 111229.	3.8	3
5	Machine learning for policing: a case study on arrests in Chile. Policing and Society, 2021, 31, 1036-1050.	2.5	4
6	A fast full-wave solver for calculating ultrasound propagation in the body. Ultrasonics, 2021, 110, 106240.	3.9	11
7	Proximity resonances of water-entrained air bubbles near acoustically reflecting boundaries. Journal of the Acoustical Society of America, 2021, 149, 2477-2491.	1.1	7
8	Benchmarking preconditioned boundary integral formulations for acoustics. International Journal for Numerical Methods in Engineering, 2021, 122, 5873-5897.	2.8	8
9	Accelerating frequency-domain numerical methods for weakly nonlinear focused ultrasound using nested meshes. Journal of the Acoustical Society of America, 2021, 150, 441-453.	1.1	1
10	Computationally Efficient Boundary Element Methods for High-Frequency Helmholtz Problems in Unbounded Domains. Geosystems Mathematics, 2017, , 215-243.	0.0	8
11	Stability analysis of the marching-on-in-time boundary element method for electromagnetics. Journal of Computational and Applied Mathematics, 2016, 294, 358-371.	2.0	15
12	A fast boundary element method for the scattering analysis of high-intensity focused ultrasound. Journal of the Acoustical Society of America, 2015, 138, 2726-2737.	1.1	26
13	The Influence of the Exact Evaluation of Radiation Fields in Finite Precision Arithmetic on the Stability of the Time Domain Integral Equation Method. IEEE Transactions on Antennas and Propagation, 2013, 61, 6064-6074.	5.1	9
14	Design of Temporal Basis Functions for Time Domain Integral Equation Methods With Predefined Accuracy and Smoothness. IEEE Transactions on Antennas and Propagation, 2013, 61, 271-280.	5.1	15
15	A provably stable MoT scheme based on quadratic spline basis functions. , 2012, , .		1
16	The Deflated Relaxed Incomplete Cholesky CG method for use in a real-time ship simulator. Procedia Computer Science, 2010, 1, 249-257.	2.0	6