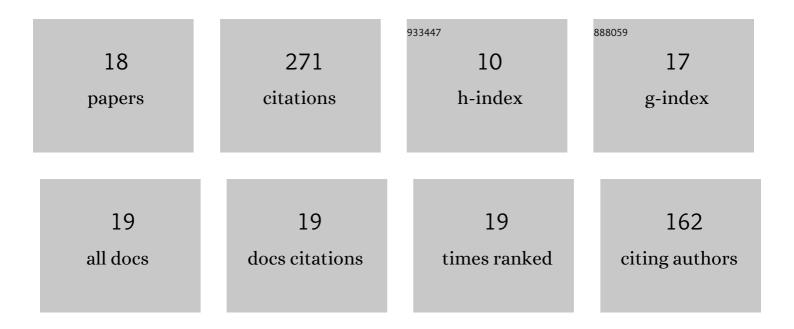
David Hewett

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/8761507/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	INTERPOLATION OF HILBERT AND SOBOLEV SPACES: QUANTITATIVE ESTIMATES AND COUNTEREXAMPLES. Mathematika, 2015, 61, 414-443.	0.5	53
2	A High Frequency \$hp\$ Boundary Element Method for Scattering by Convex Polygons. SIAM Journal on Numerical Analysis, 2013, 51, 629-653.	2.3	28
3	A high frequency boundary element method for scattering by a class of nonconvex obstacles. Numerische Mathematik, 2015, 129, 647-689.	1.9	28
4	Sobolev Spaces on Non-Lipschitz Subsets of \$\${mathbb {R}}^n\$\$ R n with Application to Boundary Integral Equations on Fractal Screens. Integral Equations and Operator Theory, 2017, 87, 179-224.	0.8	27
5	A frequency-independent boundary element method for scattering by two-dimensional screens and apertures. IMA Journal of Numerical Analysis, 2015, 35, 1698-1728.	2.9	25
6	Homogenized boundary conditions and resonance effects in Faraday cages. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2016, 472, 20160062.	2.1	19
7	Wavenumber-Explicit Continuity and Coercivity Estimates in Acoustic Scattering by Planar Screens. Integral Equations and Operator Theory, 2015, 82, 423-449.	0.8	13
8	On the maximal Sobolev regularity of distributions supported by subsets of Euclidean space. Analysis and Applications, 2017, 15, 731-770.	2.2	12
9	A hybrid numerical–asymptotic boundary element method for high frequency scattering by penetrable convex polygons. Wave Motion, 2018, 78, 32-53.	2.0	11
10	Calderón preconditioning of PMCHWT boundary integral equations for scattering by multiple absorbing dielectric particles. Journal of Quantitative Spectroscopy and Radiative Transfer, 2019, 224, 383-395.	2.3	11
11	Contour integral solutions of the parabolic wave equation. Wave Motion, 2019, 84, 90-109.	2.0	9
12	Shadow boundary effects in hybrid numerical-asymptotic methods for high-frequency scattering. European Journal of Applied Mathematics, 2015, 26, 773-793.	2.9	8
13	Tangent ray diffraction and the Pekeris caret function. Wave Motion, 2015, 57, 257-267.	2.0	6
14	Fast hybrid numerical-asymptotic boundary element methods for high frequency screen and aperture problems based on least-squares collocation. SN Partial Differential Equations and Applications, 2020, 1, 1.	0.6	6
15	Switching on a two-dimensional time-harmonic scalar wave in the presence of a diffracting edge. Wave Motion, 2011, 48, 197-213.	2.0	5
16	Density results for Sobolev, Besov and Triebel–Lizorkin spaces on rough sets. Journal of Functional Analysis, 2021, 281, 109019.	1.4	5
17	High frequency sound propagation in a network of interconnecting streets. Journal of Sound and Vibration, 2012, 331, 5537-5561.	3.9	3
18	Acoustic scattering by impedance screens/cracks with fractal boundary: Well-posedness analysis and boundary element approximation. Mathematical Models and Methods in Applied Sciences, 2022, 32, 291-319.	3.3	2