

Andrea Moiola

List of Publications by Year in descending order

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papers

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567281

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docs citations

27
times ranked

340
citing authors

#	ARTICLE	IF	CITATIONS
1	A Space-Time Trefftz Discontinuous Galerkin Method for the Linear Schrödinger Equation. SIAM Journal on Numerical Analysis, 2022, 60, 688-714.	2.3	3
2	A high-frequency boundary element method for scattering by a class of multiple obstacles. IMA Journal of Numerical Analysis, 2021, 41, 1197-1239.	2.9	2
3	Boundary element methods for acoustic scattering by fractal screens. Numerische Mathematik, 2021, 147, 785-837.	1.9	10
4	Density results for Sobolev, Besov and Triebel-Lizorkin spaces on rough sets. Journal of Functional Analysis, 2021, 281, 109019.	1.4	5
5	Space-time discontinuous Galerkin approximation of acoustic waves with point singularities. IMA Journal of Numerical Analysis, 2021, 41, 2056-2109.	2.9	12
6	Analysis of the internal electric fields of pristine ice crystals and aggregate snowflakes, and their effect on scattering. Journal of Quantitative Spectroscopy and Radiative Transfer, 2019, 230, 155-171.	2.3	1
7	Can coercive formulations lead to fast and accurate solution of the Helmholtz equation?. Journal of Computational and Applied Mathematics, 2019, 352, 110-131.	2.0	8
8	Acoustic transmission problems: Wavenumber-explicit bounds and resonance-free regions. Mathematical Models and Methods in Applied Sciences, 2019, 29, 317-354.	3.3	29
9	A space-time Trefftz discontinuous Galerkin method for the acoustic wave equation in first-order formulation. Numerische Mathematik, 2018, 138, 389-435.	1.9	23
10	On the maximal Sobolev regularity of distributions supported by subsets of Euclidean space. Analysis and Applications, 2017, 15, 731-770.	2.2	12
11	Sobolev Spaces on Non-Lipschitz Subsets of \mathbb{R}^n with Application to Boundary Integral Equations on Fractal Screens. Integral Equations and Operator Theory, 2017, 87, 179-224.	0.8	27
12	A note on properties of the restriction operator on Sobolev spaces. Journal of Applied Analysis, 2017, 23, 1-8.	0.5	0
13	A Survey of Trefftz Methods for the Helmholtz Equation. Lecture Notes in Computational Science and Engineering, 2016, , 237-279.	0.3	34
14	Plane Wave Discontinuous Galerkin Methods: Exponential Convergence of the h^p -Version. Foundations of Computational Mathematics, 2016, 16, 637-675.	2.5	27
15	<i>A priori</i> error analysis of space-time Trefftz discontinuous Galerkin methods for wave problems. IMA Journal of Numerical Analysis, 2016, 36, 1599-1635.	2.9	22
16	INTERPOLATION OF HILBERT AND SOBOLEV SPACES: QUANTITATIVE ESTIMATES AND COUNTEREXAMPLES. Mathematika, 2015, 61, 414-443.	0.5	53
17	Is the Helmholtz Equation Really Sign-Indefinite?. SIAM Review, 2014, 56, 274-312.	9.5	55
18	Approximation by harmonic polynomials in star-shaped domains and exponential convergence of Trefftz h^p -dGFEM. ESAIM: Mathematical Modelling and Numerical Analysis, 2014, 48, 727-752.	1.9	19

#	ARTICLE	IF	CITATIONS
19	Trefftz discontinuous Galerkin methods for acoustic scattering on locally refined meshes. Applied Numerical Mathematics, 2014, 79, 79-91.	2.1	27
20	Implementation of an interior point source in the ultra weak variational formulation through source extraction. Journal of Computational and Applied Mathematics, 2014, 271, 295-306.	2.0	6
21	Plane wave approximation in linear elasticity. Applicable Analysis, 2013, 92, 1299-1307.	1.3	7
22	Error analysis of Trefftz-discontinuous Galerkin methods for the time-harmonic Maxwell equations. Mathematics of Computation, 2012, 82, 247-268.	2.1	58
23	Plane Wave Discontinuous Galerkin Methods for the 2D Helmholtz Equation: Analysis of the p -Version. SIAM Journal on Numerical Analysis, 2011, 49, 264-284.	2.3	126
24	Vekua theory for the Helmholtz operator. Zeitschrift Fur Angewandte Mathematik Und Physik, 2011, 62, 779-807.	1.4	18
25	Plane wave approximation of homogeneous Helmholtz solutions. Zeitschrift Fur Angewandte Mathematik Und Physik, 2011, 62, 809-837.	1.4	90
26	STABILITY RESULTS FOR THE TIME-HARMONIC MAXWELL EQUATIONS WITH IMPEDANCE BOUNDARY CONDITIONS. Mathematical Models and Methods in Applied Sciences, 2011, 21, 2263-2287.	3.3	38