

Chiara Guardasoni

List of Publications by Year in descending order

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34
papers

270
citations

1040056

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times ranked

123
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly accurate quadrature schemes for singular integrals in energetic BEM applied to elastodynamics. <i>Journal of Computational and Applied Mathematics</i> , 2022, 410, 114186.	2.0	8
2	Energetic boundary element method for accurate solution of damped waves hard scattering problems. <i>Journal of Engineering Mathematics</i> , 2021, 127, 1.	1.2	2
3	ENERGETIC GALERKIN BOUNDARY ELEMENT METHOD FOR 2D ELASTODYNAMICS: INTEGRAL OPERATORS WITH WEAK AND STRONG SINGULARITIES. , 2021, , .		0
4	Multi-Asset Barrier Options Pricing by Collocation BEM (with Matlab® Code). <i>Axioms</i> , 2021, 10, 301.	1.9	3
5	A Mellin transform approach to barrier option pricing. <i>IMA Journal of Management Mathematics</i> , 2020, 31, 49-67.	1.6	24
6	Integral approach to Asian barrier option pricing. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	0
7	Restrictions matrices for Platonic solids invariance and applications to space-time energetic BEM. <i>Journal of Computational and Applied Mathematics</i> , 2019, 360, 18-40.	2.0	0
8	Energetic BEM for the Numerical Solution of 2D Hard Scattering Problems of Damped Waves by Open Arcs. <i>Springer INdAM Series</i> , 2019, , 267-283.	0.5	1
9	Application of Energetic BEM to 2D Elastodynamic Soft Scattering Problems. <i>Communications in Applied and Industrial Mathematics</i> , 2019, 10, 182-198.	0.3	2
10	Collocation Boundary Element Method for the pricing of Geometric Asian Options. <i>Engineering Analysis With Boundary Elements</i> , 2018, 92, 90-100.	3.7	9
11	Numerical pricing of geometric asian options with barriers. <i>Mathematical Methods in the Applied Sciences</i> , 2018, 41, 7510-7529.	2.3	5
12	Efficient BEM-Based Algorithm for Pricing Floating Strike Asian Barrier Options (with MATLAB® Code). <i>Axioms</i> , 2018, 7, 40.	1.9	2
13	Energetic BEM for the numerical solution of 2D damped waves propagation exterior problems. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	0
14	Semi-Analytical method for the pricing of barrier options in case of time-dependent parameters (with Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.3	7
15	Comparison between numerical methods applied to the damped wave equation. <i>Journal of Integral Equations and Applications</i> , 2017, 29, .	0.6	3
16	Energetic BEM-FEM coupling for the numerical solution of the damped wave equation. <i>Advances in Computational Mathematics</i> , 2017, 43, 627-651.	1.6	5
17	Energetic BEM for the numerical analysis of 2D Dirichlet damped wave propagation exterior problems. <i>Communications in Applied and Industrial Mathematics</i> , 2017, 8, 103-127.	0.3	4
18	A boundary element approach to barrier option pricing in Black-Scholes framework. <i>International Journal of Computer Mathematics</i> , 2016, 93, 696-722.	1.8	11

#	ARTICLE	IF	CITATIONS
19	Fast Numerical Pricing of Barrier Options under Stochastic Volatility and Jumps. SIAM Journal on Applied Mathematics, 2016, 76, 27-57.	1.8	18
20	ENERGETIC BEM FOR THE NUMERICAL SOLUTION OF DAMPED WAVE PROPAGATION EXTERIOR PROBLEMS. , 2016, , .		1
21	Energetic BEM-FEM coupling for the numerical solution of the damped wave equation. AIP Conference Proceedings, 2015, , .	0.4	2
22	Energetic BEM-FEM coupling for wave propagation in 3D multidomains. International Journal for Numerical Methods in Engineering, 2014, 97, 377-394.	2.8	14
23	A numerical study of energetic BEM-FEM applied to wave propagation in 2D multidomains. Publications De L'Institut Mathematique, 2014, 96, 5-22.	0.2	9
24	Neumann exterior wave propagation problems: computational aspects of 3D energetic Galerkin BEM. Computational Mechanics, 2013, 51, 475-493.	4.0	23
25	A stable 3D energetic Galerkin BEM approach for wave propagation interior problems. Engineering Analysis With Boundary Elements, 2012, 36, 1756-1765.	3.7	15
26	Energetic boundary element method analysis of wave propagation in 2D multilayered media. Mathematical Methods in the Applied Sciences, 2012, 35, 1140-1160.	2.3	5
27	Restriction matrices in space-time energetic BEM. Engineering Analysis With Boundary Elements, 2012, 36, 1256-1271.	3.7	1
28	On the energetic Galerkin boundary element method applied to interior wave propagation problems. Journal of Computational and Applied Mathematics, 2011, 235, 1746-1754.	2.0	23
29	Numerical integration schemes for space-time hypersingular integrals in energetic Galerkin BEM. Numerical Algorithms, 2010, 55, 145-170.	1.9	10
30	Energetic Galerkin BEM for 2D Wave Propagation Problems in Piecewise Homogeneous Media. , 2010, , .		1
31	An energy approach to space-time Galerkin BEM for wave propagation problems. International Journal for Numerical Methods in Engineering, 2009, 80, 1196-1240.	2.8	47
32	A Space-time Galerkin BEM for 2D Exterior Wave Propagation Problems. , 2009, , .		1
33	NUMERICAL APPROXIMATION OF A BGK-TYPE RELAXATION MODEL FOR REACTIVE MIXTURES. , 2007, , .		0
34	On the numerical solution of a BGK-type model for chemical reactions. European Journal of Mechanics, B/Fluids, 2007, 26, 455-472.	2.5	14