

Irina Mitrea

List of Publications by Year in descending order

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27
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28
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docs citations

28
times ranked

127
citing authors

#	ARTICLE	IF	CITATIONS
1	Failure of Fredholm solvability for the Dirichlet problem corresponding to weakly elliptic systems. <i>Analysis and Mathematical Physics</i> , 2021, 11, 1.	1.3	0
2	Multilayer potentials for higher-order systems in rough domains. <i>Analysis and PDE</i> , 2021, 14, 1233-1308.	1.4	3
3	The BMO-Dirichlet problem for elliptic systems in the upper half-space and quantitative characterizations of VMO. <i>Analysis and PDE</i> , 2019, 12, 605-720.	1.4	10
4	Radiation Conditions and Integral Representations for Clifford Algebra-Valued Null-Solutions of the Helmholtz Operator. <i>Journal of Mathematical Sciences</i> , 2018, 231, 367-472.	0.4	2
5	Hardy spaces of Clifford algebra-valued monogenic functions in exterior domains and a higher dimensional version of Cauchy's vanishing theorem. <i>Complex Variables and Elliptic Equations</i> , 2017, 62, 1374-1392.	0.8	2
6	On the L^p -Poisson Semigroup Associated with Elliptic Systems. <i>Potential Analysis</i> , 2017, 47, 401-445.	0.9	3
7	Invertibility Properties of Singular Integral Operators Associated with the Lamé and Stokes Systems on Infinite Sectors in Two Dimensions. <i>Integral Equations and Operator Theory</i> , 2017, 89, 151-207.	0.8	2
8	The Dirichlet problem for elliptic systems with data in K^{α} the function spaces. <i>Revista Matemática Iberoamericana</i> , 2016, 32, 913-970.	0.9	14
9	Extending Sobolev functions with partially vanishing traces from locally $(\hat{\mu}, \hat{\nu})$ -domains and applications to mixed boundary problems. <i>Journal of Functional Analysis</i> , 2014, 266, 4314-4421.	1.4	39
10	Triebel-Lizorkin sequence spaces are genuine mixed norm spaces. <i>Mathematische Nachrichten</i> , 2013, 286, 503-517.	0.8	3
11	Multi-Layer Potentials and Boundary Problems. <i>Lecture Notes in Mathematics</i> , 2013, , .	0.2	42
12	Transmission boundary problems for Dirac operators on Lipschitz domains and applications to Maxwell's and Helmholtz's equations. <i>Transactions of the American Mathematical Society</i> , 2012, 364, 4369-4424.	0.9	11
13	Increasing diversity in geosciences through experiential learning. <i>Eos</i> , 2012, 93, 533-535.	0.1	3
14	Abstract capacity estimates and the completeness and separability of certain classes of non-locally convex topological vector spaces. <i>Journal of Functional Analysis</i> , 2012, 262, 4766-4830.	1.4	12
15	Spectral theory and iterative methods for the Maxwell system in nonsmooth domains. <i>Mathematische Nachrichten</i> , 2010, 283, 784-804.	0.8	1
16	On the Regularity of Green Functions in Lipschitz Domains. <i>Communications in Partial Differential Equations</i> , 2010, 36, 304-327.	2.2	23
17	The mixed problem for the Lamé system in a class of Lipschitz domains. <i>Journal of Differential Equations</i> , 2009, 246, 2577-2589.	2.2	25
18	The Poisson problem with mixed boundary conditions in Sobolev and Besov spaces in non-smooth domains. <i>Transactions of the American Mathematical Society</i> , 2007, 359, 4143-4183.	0.9	49

#	ARTICLE	IF	CITATIONS
19	Electromagnetic scattering from perturbed surfaces. <i>Mathematical Methods in the Applied Sciences</i> , 2007, 30, 861-876.	2.3	0
20	Interval analysis techniques for boundary value problems of elasticity in two dimensions. <i>Journal of Differential Equations</i> , 2007, 233, 181-198.	2.2	2
21	Traces of functions in Hardy and Besov spaces on Lipschitz domains with applications to compensated compactness and the theory of Hardy and Bergman type spaces. <i>Journal of Functional Analysis</i> , 2007, 246, 50-112.	1.4	5
22	Counterexamples to the well-posedness of Δ^{α} transmission boundary value problems for the Laplacian. <i>Proceedings of the American Mathematical Society</i> , 2007, 135, 2037-2043.	0.8	6
23	The Dirichlet problem for elliptic systems in multiconnected rough regions. <i>Applicable Analysis</i> , 2005, 84, 971-988.	1.3	1
24	Boundary Problems for Harmonic Functions and Norm Estimates for Inverses of Singular Integrals in Two Dimensions. <i>Numerical Functional Analysis and Optimization</i> , 2005, 26, 851-878.	1.4	2
25	On the Besov regularity of conformal maps and layer potentials on nonsmooth domains. <i>Journal of Functional Analysis</i> , 2003, 201, 380-429.	1.4	13
26	Spectral radius properties for layer potentials associated with the elastostatics and hydrostatics equations in nonsmooth domains. <i>Journal of Fourier Analysis and Applications</i> , 1999, 5, 385-408.	1.0	18
27	On the boundedness of singular integrals. <i>Pacific Journal of Mathematics</i> , 1999, 189, 21-29.	0.5	5