# Irina Mitrea

## List of Publications by Year
in descending order

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|---|---|---|---|
| 27 papers | 302 citations | 933447 10 h-index | 888059 17 g-index |
| 28 all docs | 28 docs citations | 28 times ranked | 127 citing authors |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 1 | The Poisson problem with mixed boundary conditions in Sobolev and Besov spaces in non-smooth domains. Transactions of the American Mathematical Society, 2007, 359, 4143-4183. | 0.9 | 49 |
| 2 | Multi-Layer Potentials and Boundary Problems. Lecture Notes in Mathematics, 2013, , . | 0.2 | 42 |
| 3 | Extending Sobolev functions with partially vanishing traces from locally(Îµ,Î´)-domains and applications to mixed boundary problems. Journal of Functional Analysis, 2014, 266, 4314-4421. | 1.4 | 39 |
| 4 | The mixed problem for the LamÃ© system in a class of Lipschitz domains. Journal of Differential Equations, 2009, 246, 2577-2589. | 2.2 | 25 |
| 5 | On the Regularity of Green Functions in Lipschitz Domains. Communications in Partial Differential Equations, 2010, 36, 304-327. | 2.2 | 23 |
| 6 | Spectral radius properties for layer potentials associated with the elastostatics and hydrostatics equations in nonsmooth domains. Journal of Fourier Analysis and Applications, 1999, 5, 385-408. | 1.0 | 18 |
| 7 | The Dirichlet problem for elliptic systems with data in KÃ¶the function spaces. Revista Matematica Iberoamericana, 2016, 32, 913-970. | 0.9 | 14 |
| 8 | On the Besov regularity of conformal maps and layer potentials on nonsmooth domains. Journal of Functional Analysis, 2003, 201, 380-429. | 1.4 | 13 |
| 9 | Abstract capacitary estimates and the completeness and separability of certain classes of non-locally convex topological vector spaces. Journal of Functional Analysis, 2012, 262, 4766-4830. | 1.4 | 12 |
| 10 | Transmission boundary problems for Dirac operators on Lipschitz domains and applications to Maxwellâ€™s and Helmholtzâ€™s equations. Transactions of the American Mathematical Society, 2012, 364, 4369-4424. | 0.9 | 11 |
| 11 | The BMO-Dirichlet problem for elliptic systems in the upper half-space and quantitative characterizations of VMO. Analysis and PDE, 2019, 12, 605-720. | 1.4 | 10 |
| 12 | Counterexamples to the well-posedness of ?^{?} transmission boundary value problems for the Laplacian. Proceedings of the American Mathematical Society, 2007, 135, 2037-2043. | 0.8 | 6 |
| 13 | 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. Journal of Functional Analysis, 2007, 246, 50-112. | 1.4 | 5 |
| 14 | On the boundedness of singular integrals. Pacific Journal of Mathematics, 1999, 189, 21-29. | 0.5 | 5 |
| 15 | Increasing diversity in geosciences through experiential learning. Eos, 2012, 93, 533-535. | 0.1 | 3 |
| 16 | Triebelâ€Lizorkin sequence spaces are genuine mixedâ€norm spaces. Mathematische Nachrichten, 2013, 286, 503-517. | 0.8 | 3 |
| 17 | On the L p -Poisson Semigroup Associated with Elliptic Systems. Potential Analysis, 2017, 47, 401-445. | 0.9 | 3 |
| 18 | Multilayer potentials for higher-order systems in rough domains. Analysis and PDE, 2021, 14, 1233-1308. | 1.4 | 3 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 19 | Boundary Problems for Harmonic Functions and Norm Estimates for Inverses of Singular Integrals in Two Dimensions. Numerical Functional Analysis and Optimization, 2005, 26, 851-878. | 1.4 | 2 |
| 20 | Interval analysis techniques for boundary value problems of elasticity in two dimensions. Journal of Differential Equations, 2007, 233, 181-198. | 2.2 | 2 |
| 21 | Hardy spaces of Clifford algebra-valued monogenic functions in exterior domains and a higher dimensional version of Cauchy's vanishing theorem. Complex Variables and Elliptic Equations, 2017, 62, 1374-1392. | 0.8 | 2 |
| 22 | Invertibility Properties of Singular Integral Operators Associated with the Lamé and Stokes Systems on Infinite Sectors in Two Dimensions. Integral Equations and Operator Theory, 2017, 89, 151-207. | 0.8 | 2 |
| 23 | Radiation Conditions and Integral Representations for Clifford Algebra-Valued Null-Solutions of the Helmholtz Operator. Journal of Mathematical Sciences, 2018, 231, 367-472. | 0.4 | 2 |
| 24 | The Dirichlet problem for elliptic systems in multiconnected rough regions. Applicable Analysis, 2005, 84, 971-988. | 1.3 | 1 |
| 25 | Spectral theory and iterative methods for the Maxwell system in nonsmooth domains. Mathematische Nachrichten, 2010, 283, 784-804. | 0.8 | 1 |
| 26 | Electromagnetic scattering from perturbed surfaces. Mathematical Methods in the Applied Sciences, 2007, 30, 861-876. | 2.3 | 0 |
| 27 | Failure of Fredholm solvability for the Dirichlet problem corresponding to weakly elliptic systems. Analysis and Mathematical Physics, 2021, 11, 1. | 1.3 | 0 |