# Bruno Volzone

## List of Publications by Year
## in descending order

| | | | |
|---|---|---|---|
| 21 papers | 352 citations | 840776<br>11 h-index | 794594<br>19 g-index |
| 21 all docs | 21 docs citations | 21 times ranked | 186 citing authors |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 1 | Bourgain–Brézis–Mironescu formula for magnetic operators. Comptes Rendus Mathematique, 2016, 354, 825-831. | 0.3 | 58 |
| 2 | Ground States for Diffusion Dominated Free Energies with Logarithmic Interaction. SIAM Journal on Mathematical Analysis, 2015, 47, 1-25. | 1.9 | 37 |
| 3 | Nonlinear aggregation-diffusion equations: radial symmetry and long time asymptotics. Inventiones Mathematicae, 2019, 218, 889-977. | 2.5 | 35 |
| 4 | Symmetrization for linear and nonlinear fractional parabolic equations of porous medium type. Journal Des Mathematiques Pures Et Appliquees, 2014, 101, 553-582. | 1.6 | 30 |
| 5 | Comparison and regularity results for the fractional Laplacian via symmetrization methods. Journal of Differential Equations, 2012, 253, 2593-2615. | 2.2 | 29 |
| 6 | Ground states in the diffusion-dominated regime. Calculus of Variations and Partial Differential Equations, 2018, 57, 127. | 1.7 | 26 |
| 7 | Fractional semilinear Neumann problems arising from a fractional Keller–Segel model. Calculus of Variations and Partial Differential Equations, 2015, 54, 1009-1042. | 1.7 | 25 |
| 8 | Optimal estimates for fractional fast diffusion equations. Journal Des Mathematiques Pures Et Appliquees, 2015, 103, 535-556. | 1.6 | 23 |
| 9 | Anisotropic ?-Laplacian Evolution of Fast Diffusion Type. Advanced Nonlinear Studies, 2021, 21, 523-555. | 1.7 | 16 |
| 10 | On Hardy inequalities with a remainder term. Ricerche Di Matematica, 2010, 59, 265-280. | 1.0 | 14 |
| 11 | Symmetrization for fractional elliptic and parabolic equations and an isoperimetric application. Chinese Annals of Mathematics Series B, 2017, 38, 661-686. | 0.4 | 12 |
| 12 | Improved Poincaré inequalities. Nonlinear Analysis: Theory, Methods & Applications, 2012, 75, 5985-6001. | 1.1 | 11 |
| 13 | Uniqueness of entire ground states for the fractional plasma problem. Calculus of Variations and Partial Differential Equations, 2020, 59, 1. | 1.7 | 11 |
| 14 | Symmetrization for fractional Neumann problems. Nonlinear Analysis: Theory, Methods & Applications, 2016, 147, 1-25. | 1.1 | 6 |
| 15 | The fractional nonlocal Ornstein-Uhlenbeck equation, Gaussian symmetrization and regularity. Discrete and Continuous Dynamical Systems, 2018, 38, 3269-3298. | 0.9 | 5 |
| 16 | Symmetrization for Fractional Elliptic Problems: A Direct Approach. Archive for Rational Mechanics and Analysis, 2021, 239, 1733-1770. | 2.4 | 4 |
| 17 | Comparison results for solutions of nonlinear parabolic equations. Complex Variables and Elliptic Equations, 2010, 55, 431-443. | 0.8 | 3 |
| 18 | Long-time behavior for the porous medium equation with small initial energy. Advances in Mathematics, 2022, 394, 108029. | 1.1 | 3 |

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|---|---------|-----|-----------|
| 19 | Long-time asymptotics for a 1D nonlocal porous medium equation with absorption or convection. Communications in Contemporary Mathematics, 2020, 22, 1950015. | 1.2 | 2 |
| 20 | Semilinear elliptic equations with degenerate and singular weights related to Caffarelli–Kohn–Nirenberg inequalities. Journal of Mathematical Analysis and Applications, 2012, 393, 614-631. | 1.0 | 1 |
| 21 | Symmetrization for fractional nonlinear elliptic problems. Discrete and Continuous Dynamical Systems, 2022, . | 0.9 | 1 |