

# Rodrigo Ponce

## List of Publications by Year in descending order

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papers

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687363

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docs citations

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times ranked

170  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Hölder continuous solutions for fractional differential equations and maximal regularity. Journal of Differential Equations, 2013, 255, 3284-3304.   | 2.2 | 44        |
| 2  | Approximate Controllability for Fractional Differential Equations of Sobolev Type Via Properties on Resolvent Operators. Fractional Calculus and Applied Analysis, 2017, 20, 963-987.  | 2.2 | 42        |
| 3  | Periodic solutions of degenerate differential equations in vector-valued function spaces. Studia Mathematica, 2011, 202, 49-63.  | 0.7 | 42        |
| 4  | Bounded mild solutions to fractional integro-differential equations in Banach spaces. Semigroup Forum, 2013, 87, 377-392.  | 0.6 | 39        |
| 5  | Maximal regularity for degenerate differential equations with infinite delay in periodic vector-valued function spaces. Proceedings of the Edinburgh Mathematical Society, 2013, 56, 853-871.                                | 0.3 | 30        |
| 6  | Existence and Optimal Controls for Fractional Stochastic Evolution Equations of Sobolev Type Via Fractional Resolvent Operators. Journal of Optimization Theory and Applications, 2019, 182, 558-572.                        | 1.5 | 26        |
| 7  | Existence of Mild Solutions to Nonlocal Fractional Cauchy Problems via Compactness. Abstract and Applied Analysis, 2016, 2016, 1-15.   | 0.7 | 24        |
| 8  | Hölder continuous solutions for Sobolev type differential equations. Mathematische Nachrichten, 2014, 287, 70-78.  | 0.8 | 21        |
| 9  | A connection between almost periodic functions defined on timescales and $\mathbb{R}$ . Applicable Analysis, 2014, 93, 2547-2558.  | 1.3 | 20        |
| 10 | On the compactness of fractional resolvent operator functions. Semigroup Forum, 2016, 93, 363-374.   | 0.6 | 19        |
| 11 | Bounded solutions to a class of semilinear integro-differential equations in Banach spaces. Nonlinear Analysis: Theory, Methods & Applications, 2011, 74, 3397-3406.   | 1.1 | 16        |
| 12 | Maximal $\alpha$ -regularity for fractional differential equations on the line. Mathematische Nachrichten, 2017, 290, 2009-2023.   | 0.8 | 15        |
| 13 | On the well-posedness of degenerate fractional differential equations in vector valued function spaces. Israel Journal of Mathematics, 2017, 219, 727-755.   | 0.8 | 15        |
| 14 | Uniform exponential stability and applications to bounded solutions of integro-differential equations in Banach spaces. Journal of Integral Equations and Applications, 2018, 30, .  | 0.6 | 13        |
| 15 | Weighted pseudo antiperiodic solutions for fractional integro-differential equations in Banach spaces. Applied Mathematics and Computation, 2015, 259, 164-172.  | 2.2 | 12        |
| 16 | On $C^1$ -Hölder classical solutions for non-autonomous neutral differential equations: The nonlinear case. Journal of Mathematical Analysis and Applications, 2014, 420, 1814-1831.   | 1.0 | 11        |
| 17 | Asymptotic behavior of mild solutions to fractional Cauchy problems in Banach spaces. Applied Mathematics Letters, 2020, 105, 106322.  | 2.7 | 10        |
| 18 | Weighted pseudo almost automorphic solutions to a semilinear fractional differential equation with Stepanov-like weighted pseudo almost automorphic nonlinear term. Applied Mathematics and Computation, 2015, 257, 158-168. | 2.2 | 8         |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Time discretization of fractional subdiffusion equations via fractional resolvent operators. Computers and Mathematics With Applications, 2020, 80, 69-92.   | 2.7 | 8         |
| 20 | On the boundedness of generalized Cesàro operators on Sobolev spaces. Journal of Mathematical Analysis and Applications, 2014, 419, 373-394.   | 1.0 | 6         |
| 21 | Mild solutions for a multi-term fractional differential equation via resolvent operators. AIMS Mathematics, 2020, 6, 2398-2417.  | 1.6 | 6         |
| 22 | Fractional differential equations of Sobolev type with sectorial operators. Semigroup Forum, 2019, 99, 591-606.  | 0.6 | 5         |
| 23 | Solutions of abstract integro-differential equations via Poisson transformation. Mathematical Methods in the Applied Sciences, 2021, 44, 2495-2505.  | 2.3 | 5         |
| 24 | Subordination principle for fractional diffusion-wave equations of Sobolev type. Fractional Calculus and Applied Analysis, 2020, 23, 427-449.  | 2.2 | 5         |
| 25 | Solvability of fractional differential inclusions with nonlocal initial conditions via resolvent family of operators. International Journal of Nonlinear Sciences and Numerical Simulation, 2021, 22, 33-44. | 1.0 | 5         |
| 26 | Almost automorphic solutions to abstract Volterra equations on the line. Nonlinear Analysis: Theory, Methods & Applications, 2011, 74, 3805-3814.  | 1.1 | 3         |
| 27 | Discrete Subdiffusion Equations with Memory. Applied Mathematics and Optimization, 2021, 84, 3475-3497.  | 1.6 | 3         |
| 28 | A subordination principle for subdiffusion equations with memory. Journal of Integral Equations and Applications, 2020, 32, .  | 0.6 | 3         |
| 29 | Properties of solution sets for Sobolev type fractional differential inclusions via resolvent family of operators. European Physical Journal: Special Topics, 2017, 226, 3391-3409.                          | 2.6 | 2         |
| 30 | Mild solutions to integro-differential equations in Banach spaces. Journal of Differential Equations, 2020, 269, 180-200.  | 2.2 | 2         |
| 31 | Hölder regularity for abstract semi-linear fractional differential equations in Banach spaces. Computers and Mathematics With Applications, 2021, 85, 57-68.   | 2.7 | 2         |
| 32 | Maximal Regularity for Perturbed Integral Equations on the Line. Integral Equations and Operator Theory, 2012, 74, 513-526.  | 0.8 | 1         |
| 33 | Discrete-time theorems for global and pointwise dichotomies of cocycles over semiflows. Monatshefte Fur Mathematik, 2018, 186, 579-607.  | 0.9 | 1         |
| 34 | Asymptotic behavior and representation of solutions to a Volterra kind of equation with a singular kernel. Semigroup Forum, 2021, 102, 250-273.  | 0.6 | 1         |
| 35 | Una lección sobre el teorema de Thales, vista desde el conocimiento especializado del profesor. Medicina Universitaria, 2021, 33, 98-124.  | 0.1 | 0         |
| 36 | Mathematical work of a teacher based on tasks and examples proposed for teaching. Enseñanza De Las Ciencias, 2021, 39, 123.  | 0.3 | 0         |