

Jose Vanterler Costa Sousa

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

1,403
citations

471509

17
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361022

35
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all docs

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docs citations

40
times ranked

409
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | On the $\hat{\mathcal{I}}^{\alpha}$ -Hilfer fractional derivative. Communications in Nonlinear Science and Numerical Simulation, 2018, 60, 72-91. | 3.3 | 475 |
| 2 | Ulam-Hyers stability of a nonlinear fractional Volterra integro-differential equation. Applied Mathematics Letters, 2018, 81, 50-56. | 2.7 | 108 |
| 3 | Leibniz type rule: $\hat{\mathcal{I}}^{\alpha}$ -Hilfer fractional operator. Communications in Nonlinear Science and Numerical Simulation, 2019, 77, 305-311. | 3.3 | 103 |
| 4 | Stability of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="mml1" display="inline" overflow="scroll" altimg="si1.gif" \rangle \langle \text{mml:mi} \rangle \hat{\mathcal{I}} \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -Hilfer impulsive fractional differential equations. Applied Mathematics Letters, 2019, 88, 73-80. | 2.7 | 95 |
| 5 | On the Ulam-Hyers-Rassias stability for nonlinear fractional differential equations using the Ψ $\hat{\mathcal{I}}^{\alpha}$ -Hilfer operator. Journal of Fixed Point Theory and Applications, 2018, 20, 1. | 1.1 | 88 |
| 6 | Ulam-Hyers-Rassias Stability for a Class of Fractional Integro-Differential Equations. Results in Mathematics, 2018, 73, 1. | 0.8 | 80 |
| 7 | On the nonlinear Ψ $\hat{\mathcal{I}}^{\alpha}$ -Hilfer fractional differential equations. Computational and Applied Mathematics, 2019, 38, 1. | 2.2 | 38 |
| 8 | Two new fractional derivatives of variable order with non-singular kernel and fractional differential equation. Computational and Applied Mathematics, 2018, 37, 5375-5394. | 1.3 | 34 |
| 9 | Existence of mild solutions to Hilfer fractional evolution equations in Banach space. Annals of Functional Analysis, 2021, 12, 1. | 0.8 | 30 |
| 10 | Validation of a fractional model for erythrocyte sedimentation rate. Computational and Applied Mathematics, 2018, 37, 6903-6919. | 1.3 | 26 |
| 11 | On the Ψ $\hat{\mathcal{I}}^{\alpha}$ -fractional integral and applications. Computational and Applied Mathematics, 2019, 38, 1. | 2.2 | 26 |
| 12 | Ψ $\hat{\mathcal{I}}^{\alpha}$ -Hilfer pseudo-fractional operator: new results about fractional calculus. Computational and Applied Mathematics, 2020, 39, 1. | 2.2 | 25 |
| 13 | Fractional Order Pseudoparabolic Partial Differential Equation: Ulam-Hyers Stability. Bulletin of the Brazilian Mathematical Society, 2019, 50, 481-496. | 0.8 | 24 |
| 14 | Ulam-Hyers stabilities of fractional functional differential equations. AIMS Mathematics, 2020, 5, 1346-1358. | 1.6 | 23 |
| 15 | The Nehari manifold for a $\hat{\mathcal{I}}^{\alpha}$ -Hilfer fractional p -Laplacian. Applicable Analysis, 2022, 101, 5076-5106. | 1.3 | 22 |
| 16 | On the Stability of a Hyperbolic Fractional Partial Differential Equation. Differential Equations and Dynamical Systems, 2023, 31, 31-52. | 1.0 | 20 |
| 17 | Mittag-Leffler Functions and the Truncated \mathcal{V} -fractional Derivative. Mediterranean Journal of Mathematics, 2017, 14, 1. | 0.8 | 19 |
| 18 | The Ψ $\hat{\mathcal{I}}^{\alpha}$ -Hilfer fractional calculus of variable order and its applications. Computational and Applied Mathematics, 2020, 39, 1. | 2.2 | 19 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Attractivity for Differential Equations of Fractional order and \tilde{I} -Hilfer Type. Fractional Calculus and Applied Analysis, 2020, 23, 1188-1207. | 2.2 | 18 |
| 20 | Nehari manifold and bifurcation for a \tilde{I} -Hilfer fractional p -Laplacian. Mathematical Methods in the Applied Sciences, 2021, 44, 9616-9628. | 2.3 | 15 |
| 21 | ON THE NONLINEAR IMPULSIVE \tilde{I} -HILFER FRACTIONAL DIFFERENTIAL EQUATIONS. Mathematical Modelling and Analysis, 2020, 25, 642-660. | 1.5 | 15 |
| 22 | Reachability of fractional dynamical systems using \tilde{I} -Hilfer pseudo-fractional derivative. Journal of Mathematical Physics, 2021, 62, . | 1.1 | 14 |
| 23 | Existence and Regularity of Weak Solutions for ψ -Hilfer Fractional Boundary Value Problem. Mediterranean Journal of Mathematics, 2021, 18, 1. | 0.8 | 12 |
| 24 | On the Fractional Functional Differential Equation with Abstract Volterra Operator. Bulletin of the Brazilian Mathematical Society, 2019, 50, 803-822. | 0.8 | 11 |
| 25 | Grass-Type Inequalities by Means of Generalized Fractional Integrals. Bulletin of the Brazilian Mathematical Society, 2019, 50, 1029-1047. | 0.8 | 11 |
| 26 | Nehari Manifold for Weighted Singular Fractional p -Laplace Equations. Bulletin of the Brazilian Mathematical Society, 2022, 53, 1245-1275. | 0.8 | 11 |
| 27 | A VARIATIONAL APPROACH FOR A PROBLEM INVOLVING A \tilde{I} -HILFER FRACTIONAL OPERATOR. Journal of Applied Analysis and Computation, 2021, 11, 1610-1630. | 0.5 | 9 |
| 28 | Ulam-Hyers type stability for ψ -Hilfer fractional differential equations with impulses and delay. Computational and Applied Mathematics, 2021, 40, 1. | 2.2 | 5 |
| 29 | Stability of mild solutions of the fractional nonlinear abstract Cauchy problem. Electronic Research Archive, 2022, 30, 272-288. | 0.9 | 5 |
| 30 | Faedo-Galerkin approximation of mild solutions of fractional functional differential equations. Nonautonomous Dynamical Systems, 2021, 8, 1-17. | 0.7 | 4 |
| 31 | On controllability for a class of multi-term time-fractional random differential equations with state-dependent delay. Annals of Functional Analysis, 2022, 13, 1. | 0.8 | 4 |
| 32 | A new approach to the validation of an ESR fractional model. Computational and Applied Mathematics, 2021, 40, 1. | 2.2 | 3 |
| 33 | Pseudo-fractional differential equations and generalized g -Laplace transform. Journal of Pseudo-Differential Operators and Applications, 2021, 12, 44. | 0.7 | 3 |
| 34 | Existence and uniqueness of mild solutions for quasi-linear fractional integro-differential equations. Evolution Equations and Control Theory, 2022, 11, 1. | 1.3 | 3 |
| 35 | Properties of fractional operators with fixed memory length. Mathematical Methods in the Applied Sciences, 0, , . | 2.3 | 2 |
| 36 | Composition functionals in higher order calculus of variations and Noether's theorem. Applicable Analysis, 2022, 101, 6321-6338. | 1.3 | 1 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Existence, uniqueness and stability of fractional impulsive functional differential inclusions. Sao Paulo Journal of Mathematical Sciences, 0, , 1. | 0.4 | 1 |
| 38 | Pseudo-fractional operators of variable order and applications. Soft Computing, 0, , 1. | 3.6 | 1 |
| 39 | Analysis of Volterra integrodifferential equations with nonlocal and boundary conditions via Picard operator. Computational and Applied Mathematics, 2020, 39, 1. | 2.2 | 0 |
| 40 | Existence and uniqueness of global solution for a Cauchy problem and g-variational calculus. Computational and Applied Mathematics, 2021, 40, 1. | 2.2 | 0 |