# Chokkalingam Ravichandran

List of Publications by Year
in descending order



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|---|---|---|---|
| 47<br>papers | 1,863<br>citations | 172386<br>29<br>h-index | 276775<br>41<br>g-index |
| 49<br>all docs | 49<br>docs citations | 49<br>times ranked | 619<br>citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Mathematical model for spreading of COVIDâ€19 virus with the <scp>Mittagâ€“Leffler</scp> kernel. Numerical Methods for Partial Differential Equations, 2024, 40, . | 2.0 | 39 |
| 2 | New discussion on approximate controllability results for fractional Sobolev type <scp>Volterraâ€“Fredholm</scp> integroâ€differential systems of order 1â€‰<â€‰<i>r</i>â€‰<â€‰2. Numerical Methods for Partial Differential Equations, 2024, 40, . | 2.0 | 34 |
| 3 | Results on controllability of Hilfer fractional differential equations with infinite delay via measures of noncompactness. Asian Journal of Control, 2022, 24, 1406-1415. | 1.9 | 70 |
| 4 | Results on Neutral Partial Integrodifferential Equations Using Monch-Krasnoselâ€™Skii Fixed Point Theorem with Nonlocal Conditions. Fractal and Fractional, 2022, 6, 75. | 1.6 | 31 |
| 5 | Fractional Order Modeling the Gemini Virus in Capsicum annuum with Optimal Control. Fractal and Fractional, 2022, 6, 61. | 1.6 | 58 |
| 6 | A discussion on boundary controllability of nonlocal impulsive neutral integrodifferential evolution equations. Mathematical Methods in the Applied Sciences, 2022, 45, 8193-8215. | 1.2 | 10 |
| 7 | New approach on controllability of Hilfer fractional derivatives with nondense domain. AIMS Mathematics, 2022, 7, 10079-10095. | 0.7 | 17 |
| 8 | An interpretation on controllability of Hilfer fractional derivative with nondense domain. AEJ - Alexandria Engineering Journal, 2022, 61, 9941-9948. | 3.4 | 32 |
| 9 | Study on existence and data dependence results for fractional order differential equations. Chaos, Solitons and Fractals, 2022, 160, 112232. | 2.5 | 10 |
| 10 | New exploration of operators of fractional neutral integro-differential equations in Banach spaces through the application of the topological degree concept. AIMS Mathematics, 2022, 7, 15741-15758. | 0.7 | 5 |
| 11 | Analysis of Fractional Integroâ€“Differential Equation with Robin Boundary Conditions Using Topological Degree Method. International Journal of Applied and Computational Mathematics, 2022, 8, . | 0.9 | 4 |
| 12 | CASE STUDY ON TOTAL CONTROLLABILITY AND OPTIMAL CONTROL OF HILFER NEUTRAL NON-INSTANTANEOUS FRACTIONAL DERIVATIVE. Fractals, 2022, 30, . | 1.8 | 6 |
| 13 | New existence results on nonlocal neutral fractional differential equation in concepts of Caputo derivative with impulsive conditions. Chaos, Solitons and Fractals, 2022, 161, 112284. | 2.5 | 8 |
| 14 | Results on system of Atanganaâ€“Baleanu fractional order Willis aneurysm and nonlinear singularly perturbed boundary value problems. Chaos, Solitons and Fractals, 2021, 142, 110390. | 2.5 | 58 |
| 15 | An analysis of controllability results for nonlinear Hilfer neutral fractional derivatives with non-dense domain. Chaos, Solitons and Fractals, 2021, 146, 110915. | 2.5 | 71 |
| 16 | Results on controllability of non-densely characterized neutral fractional delay differential system. Evolution Equations and Control Theory, 2021, 10, 619. | 0.7 | 44 |
| 17 | SELF-SIMILARITY TECHNIQUES FOR CHAOTIC ATTRACTORS WITH MANY SCROLLS USING STEP SERIES SWITCHING. Mathematical Modelling and Analysis, 2021, 26, 591-611. | 0.7 | 41 |
| 18 | A complex valued approach to the solutions of Riemann-Liouville integral, Atangana-Baleanu integral operator and non-linear Telegraph equation via fixed point method. Chaos, Solitons and Fractals, 2020, 130, 109439. | 2.5 | 73 |

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|---|---|---|---|
| 19 | Nonlinear generalized fractional differential equations with generalized fractional integral conditions. Journal of Taibah University for Science, 2020, 14, 114-123. | 1.1 | 44 |
| 20 | A new exploration on existence of fractional neutral integro- differential equations in the concept of Atanganaâ€“Baleanu derivative. Physica A: Statistical Mechanics and Its Applications, 2020, 544, 123454. | 1.2 | 44 |
| 21 | Existence of solutions for some functional integrodifferential equations with nonlocal conditions. Mathematical Methods in the Applied Sciences, 2020, 43, 10319-10331. | 1.2 | 74 |
| 22 | New results on nonlocal functional integro-differential equations via Hilfer fractional derivative. AEJ - Alexandria Engineering Journal, 2020, 59, 2891-2899. | 3.4 | 86 |
| 23 | Solutions to fractional neutral delay differential nonlocal systems. Chaos, Solitons and Fractals, 2020, 138, 109912. | 2.5 | 46 |
| 24 | On new approach of fractional derivative by Mittag-Leffler kernel to neutral integro-differential systems with impulsive conditions. Chaos, Solitons and Fractals, 2020, 139, 110012. | 2.5 | 73 |
| 25 | Novel fixed point approach to Atangana-Baleanu fractional and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si20.svg"><mml:mrow><mml:msup><mml:mrow><mml:mi>L</mml:mi></mml:mrow><mml:mrow><mml:mi>p</mml:mi></mml:mrow> integral equations. AEJ - Alexandria Engineering Journal, 2020, 59, 1959-1970. | 3.4 | 64 |
| 26 | Existence of solutions of non-autonomous fractional differential equations with integral impulse condition. Advances in Difference Equations, 2020, 2020, . | 3.5 | 45 |
| 27 | Existence results of Hilfer integro-differential equations with fractional order. Discrete and Continuous Dynamical Systems - Series S, 2020, 13, 911-923. | 0.6 | 31 |
| 28 | A New Investigation on Fractional-Ordered Neutral Differential Systems with State-Dependent Delay. International Journal of Nonlinear Sciences and Numerical Simulation, 2019, 20, 803-809. | 0.4 | 41 |
| 29 | New results on controllability in the framework of fractional integrodifferential equations with nondense domain. European Physical Journal Plus, 2019, 134, 1. | 1.2 | 37 |
| 30 | Existence of Fractional Impulsive Functional Integro-Differential Equations in Banach Spaces. Applied System Innovation, 2019, 2, 18. | 2.7 | 9 |
| 31 | New results on existence in the framework of Atanganaâ€“Baleanu derivative for fractional integro-differential equations. Chaos, Solitons and Fractals, 2019, 125, 194-200. | 2.5 | 148 |
| 32 | New results on Caputo fractional-order neutral differential inclusions without compactness. Advances in Difference Equations, 2019, 2019, . | 3.5 | 31 |
| 33 | New results on exact controllability of a class of fractional neutral integro-differential systems with state-dependent delay in Banach spaces. Journal of the Franklin Institute, 2019, 356, 1535-1565. | 1.9 | 107 |
| 34 | New results on nondensely characterized integrodifferential equations with fractional order. European Physical Journal Plus, 2018, 133, 1. | 1.2 | 42 |
| 35 | Existence result for a neutral fractional integro-di erential equation with state dependent delay. Journal of Applied Nonlinear Dynamics, 2018, 7, 371-381. | 0.1 | 47 |
| 36 | On the controllability of fractional neutral integrodifferential delay equations with nonlocal conditions. Mathematical Methods in the Applied Sciences, 2017, 40, 5044-5055. | 1.2 | 42 |

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|---|---|---|---|
| 37 | Approximate Controllability Results for Fractional Semilinear Integro-Differential Inclusions in Hilbert Spaces. Results in Mathematics, 2017, 71, 45-61. | 0.4 | 33 |
| 38 | Controllability results for fractional order neutral functional differential inclusions with infinite delay. Fixed Point Theory, 2017, 18, 773-798. | 0.3 | 50 |
| 39 | Controllability results for a class of fractional semilinear integro-differential inclusions via resolvent operators. Applied Mathematics and Computation, 2014, 247, 152-161. | 1.4 | 38 |
| 40 | Controllability results for impulsive mixed-type functional integro-differential evolution equations with nonlocal conditions. Fixed Point Theory and Applications, 2013, 2013, . | 1.1 | 32 |
| 41 | Existence results for fractional neutral functional integro-differential evolution equations with infinite delay in Banach spaces. Advances in Difference Equations, 2013, 2013, . | 3.5 | 21 |
| 42 | On the controllability of fractional functional integro-differential systems with an infinite delay in Banach spaces. Advances in Difference Equations, 2013, 2013, . | 3.5 | 22 |
| 43 | Controllability of Impulsive Fractional Functional Integro-Differential Equations in Banach Spaces. Journal of Function Spaces and Applications, 2013, 2013, 1-8. | 0.5 | 20 |
| 44 | Existence Results for a Second Order Impulsive Neutral Functional Integrodierential Inclusions in Banach Spaces with Innite Delay. Journal of Nonlinear Science and Applications, 2012, 05, 321-333. | 0.4 | 4 |
| 45 | EXISTENCE RESULTS FOR IMPULSIVE SYSTEMS WITH NONLOCAL CONDITIONS IN BANACH SPACES. Journal of Nonlinear Science and Applications, 2011, 04, 138-151. | 0.4 | 4 |
| 46 | Existence and uniqueness of solutions for fractional nonlinear hybrid impulsive system. Numerical Methods for Partial Differential Equations, 0, , . | 2.0 | 7 |
| 47 | Controllability analysis for impulsive integroâ€differential equation via Atanganaâ€“Baleanu fractional derivative. Mathematical Methods in the Applied Sciences, 0, , . | 1.2 | 9 |