

Chokkalingam Ravichandran

List of Publications by Year in descending order

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47
papers

1,863
citations

172386

29
h-index

276775

41
g-index

49
all docs

49
docs citations

49
times ranked

619
citing authors

#	ARTICLE	IF	CITATIONS
1	New results on existence in the framework of Atangana-Baleanu derivative for fractional integro-differential equations. Chaos, Solitons and Fractals, 2019, 125, 194-200.	2.5	148
2	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
3	New results on nonlocal functional integro-differential equations via Hilfer fractional derivative. AEJ - Alexandria Engineering Journal, 2020, 59, 2891-2899.	3.4	86
4	Existence of solutions for some functional integrodifferential equations with nonlocal conditions. Mathematical Methods in the Applied Sciences, 2020, 43, 10319-10331.	1.2	74
5	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
6	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
7	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
8	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
9	Novel fixed point approach to Atangana-Baleanu fractional and L^p integral equations. AEJ - Alexandria Engineering Journal, 2020, 59, 1959-1970.	3.4	64
10	Results on system of Atangana-Baleanu fractional order Willis aneurysm and nonlinear singularly perturbed boundary value problems. Chaos, Solitons and Fractals, 2021, 142, 110390.	2.5	58
11	Fractional Order Modeling the Gemini Virus in Capsicum annum with Optimal Control. Fractal and Fractional, 2022, 6, 61.	1.6	58
12	Controllability results for fractional order neutral functional differential inclusions with infinite delay. Fixed Point Theory, 2017, 18, 773-798.	0.3	50
13	Existence result for a neutral fractional integro-differential equation with state dependent delay. Journal of Applied Nonlinear Dynamics, 2018, 7, 371-381.	0.1	47
14	Solutions to fractional neutral delay differential nonlocal systems. Chaos, Solitons and Fractals, 2020, 138, 109912.	2.5	46
15	Existence of solutions of non-autonomous fractional differential equations with integral impulse condition. Advances in Difference Equations, 2020, 2020, .	3.5	45
16	Nonlinear generalized fractional differential equations with generalized fractional integral conditions. Journal of Taibah University for Science, 2020, 14, 114-123.	1.1	44
17	A new exploration on existence of fractional neutral integro-differential equations in the concept of Atangana-Baleanu derivative. Physica A: Statistical Mechanics and Its Applications, 2020, 544, 123454.	1.2	44
18	Results on controllability of non-densely characterized neutral fractional delay differential system. Evolution Equations and Control Theory, 2021, 10, 619.	0.7	44

#	ARTICLE	IF	CITATIONS
19	On the controllability of fractional neutral integrodifferential delay equations with nonlocal conditions. <i>Mathematical Methods in the Applied Sciences</i> , 2017, 40, 5044-5055.	1.2	42
20	New results on nondensely characterized integrodifferential equations with fractional order. <i>European Physical Journal Plus</i> , 2018, 133, 1.	1.2	42
21	A New Investigation on Fractional-Ordered Neutral Differential Systems with State-Dependent Delay. <i>International Journal of Nonlinear Sciences and Numerical Simulation</i> , 2019, 20, 803-809.	0.4	41
22	SELF-SIMILARITY TECHNIQUES FOR CHAOTIC ATTRACTORS WITH MANY SCROLLS USING STEP SERIES SWITCHING. <i>Mathematical Modelling and Analysis</i> , 2021, 26, 591-611.	0.7	41
23	Mathematical model for spreading of COVID-19 virus with the Mittag-Leffler kernel. <i>Numerical Methods for Partial Differential Equations</i> , 2024, 40, .	2.0	39
24	Controllability results for a class of fractional semilinear integro-differential inclusions via resolvent operators. <i>Applied Mathematics and Computation</i> , 2014, 247, 152-161.	1.4	38
25	New results on controllability in the framework of fractional integrodifferential equations with nondense domain. <i>European Physical Journal Plus</i> , 2019, 134, 1.	1.2	37
26	New discussion on approximate controllability results for fractional Sobolev type Volterra-Fredholm integrodifferential systems of order $1 < i > r < / i > < i > 2$. <i>Numerical Methods for Partial Differential Equations</i> , 2024, 40, .	2.0	34
27	Approximate Controllability Results for Fractional Semilinear Integro-Differential Inclusions in Hilbert Spaces. <i>Results in Mathematics</i> , 2017, 71, 45-61.	0.4	33
28	Controllability results for impulsive mixed-type functional integro-differential evolution equations with nonlocal conditions. <i>Fixed Point Theory and Applications</i> , 2013, 2013, .	1.1	32
29	An interpretation on controllability of Hilfer fractional derivative with nondense domain. <i>AEJ - Alexandria Engineering Journal</i> , 2022, 61, 9941-9948.	3.4	32
30	New results on Caputo fractional-order neutral differential inclusions without compactness. <i>Advances in Difference Equations</i> , 2019, 2019, .	3.5	31
31	Existence results of Hilfer integro-differential equations with fractional order. <i>Discrete and Continuous Dynamical Systems - Series S</i> , 2020, 13, 911-923.	0.6	31
32	Results on Neutral Partial Integrodifferential Equations Using Monch-Krasnosel'skii Fixed Point Theorem with Nonlocal Conditions. <i>Fractal and Fractional</i> , 2022, 6, 75.	1.6	31
33	On the controllability of fractional functional integro-differential systems with an infinite delay in Banach spaces. <i>Advances in Difference Equations</i> , 2013, 2013, .	3.5	22
34	Existence results for fractional neutral functional integro-differential evolution equations with infinite delay in Banach spaces. <i>Advances in Difference Equations</i> , 2013, 2013, .	3.5	21
35	Controllability of Impulsive Fractional Functional Integro-Differential Equations in Banach Spaces. <i>Journal of Function Spaces and Applications</i> , 2013, 2013, 1-8.	0.5	20
36	New approach on controllability of Hilfer fractional derivatives with nondense domain. <i>AIMS Mathematics</i> , 2022, 7, 10079-10095.	0.7	17

#	ARTICLE	IF	CITATIONS
37	A discussion on boundary controllability of nonlocal impulsive neutral integrodifferential evolution equations. <i>Mathematical Methods in the Applied Sciences</i> , 2022, 45, 8193-8215.	1.2	10
38	Study on existence and data dependence results for fractional order differential equations. <i>Chaos, Solitons and Fractals</i> , 2022, 160, 112232.	2.5	10
39	Existence of Fractional Impulsive Functional Integro-Differential Equations in Banach Spaces. <i>Applied System Innovation</i> , 2019, 2, 18.	2.7	9
40	Controllability analysis for impulsive integrodifferential equation via Atangana-Baleanu fractional derivative. <i>Mathematical Methods in the Applied Sciences</i> , 0, , .	1.2	9
41	New existence results on nonlocal neutral fractional differential equation in concepts of Caputo derivative with impulsive conditions. <i>Chaos, Solitons and Fractals</i> , 2022, 161, 112284.	2.5	8
42	Existence and uniqueness of solutions for fractional nonlinear hybrid impulsive system. <i>Numerical Methods for Partial Differential Equations</i> , 0, , .	2.0	7
43	CASE STUDY ON TOTAL CONTROLLABILITY AND OPTIMAL CONTROL OF HILFER NEUTRAL NON-INSTANTANEOUS FRACTIONAL DERIVATIVE. <i>Fractals</i> , 2022, 30, .	1.8	6
44	New exploration of operators of fractional neutral integro-differential equations in Banach spaces through the application of the topological degree concept. <i>AIMS Mathematics</i> , 2022, 7, 15741-15758.	0.7	5
45	EXISTENCE RESULTS FOR IMPULSIVE SYSTEMS WITH NONLOCAL CONDITIONS IN BANACH SPACES. <i>Journal of Nonlinear Science and Applications</i> , 2011, 04, 138-151.	0.4	4
46	Existence Results for a Second Order Impulsive Neutral Functional Integrodifferential Inclusions in Banach Spaces with Infinite Delay. <i>Journal of Nonlinear Science and Applications</i> , 2012, 05, 321-333.	0.4	4
47	Analysis of Fractional Integro-Differential Equation with Robin Boundary Conditions Using Topological Degree Method. <i>International Journal of Applied and Computational Mathematics</i> , 2022, 8, .	0.9	4