Velusamy Vijayakumar

List of Publications by Year
in descending order

92	2,546	147566	253896
papers	citations	31 h-index	43 g-index

92	92	92	481
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Controllability for fractional evolution inclusions without compactness. Evolution Equations and Control Theory, 2015, 4, 507-524.	0.7	107
2	Results on controllability of Hilfer fractional neutral differential equations with infinite delay via measures of noncompactness. Chaos, Solitons and Fractals, 2020, 139, 110035.	2.5	71
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 the existence of Hilfer fractional neutral evolution equations with infinite delay via measures of noncompactness. Mathematical Methods in the Applied Sciences, 2021, 44, 1438-1455.	1.2	66
5	Approximate Controllability of Second-Order Evolution Differential Inclusions in Hilbert Spaces. Mediterranean Journal of Mathematics, 2016, 13, 3433-3454.	0.4	64
6	Results on approximate controllability for non-densely defined Hilfer fractional differential system with infinite delay. Chaos, Solitons and Fractals, 2020, 139, 110019.	2.5	64
7	Results on approximate controllability of Sobolev-type fractional neutral differential inclusions of Clarke subdifferential type. Chaos, Solitons and Fractals, 2021, 151, 111264.	2.5	63
8	Results concerning to approximate controllability of nonâ€densely defined Sobolevâ€type Hilfer fractional neutral delay differential system. Mathematical Methods in the Applied Sciences, 2021, 44, 13615-13632.	1.2	58
9	A note on approximate controllability of the Hilfer fractional neutral differential inclusions with infinite delay. Mathematical Methods in the Applied Sciences, 2021, 44, 4428-4447.	1.2	57
10	A discussion on approximate controllability of Sobolevâ€type Hilfer neutral fractional stochastic differential inclusions. Asian Journal of Control, 2022, 24, 2378-2394.	1.9	56
11	Controllability for a class of second-order evolution differential inclusions without compactness. Applicable Analysis, 2019, 98, 1367-1385.	0.6	55
12	A discussion on the approximate controllability of Hilfer fractional neutral stochastic integro-differential systems. Chaos, Solitons and Fractals, 2021, 142, 110472.	2.5	55
13	Results on approximate controllability results for secondâ€order Sobolevâ€type impulsive neutral differential evolution inclusions with infinite delay. Numerical Methods for Partial Differential Equations, 2021, 37, 1200-1221.	2.0	55
14			

#	Article	IF	Citations
19	Controllability for a class of fractional neutral integro-differential equations with unbounded delay. Applied Mathematics and Computation, 2014, 232, 303-312.	1.4	47
20	A new study on existence and uniqueness of nonlocal fractional delay differential systems of order 1â€‰<â€‰<i>r</i>â€‰<â€‰2 in Banach spaces. Numerical Methods for Partial Differential Equations, 2021, 37, 949-961.	1.7	46
21	A new exploration on existence of Sobolevâ€type Hilfer fractional neutral integroâ€differential equations with infinite delay. Numerical Methods for Partial Differential Equations, 2021, 37, 750-766.	2.0	45
22	Approximate controllability results for impulsive neutral differential inclusions of Sobolev-type with infinite delay. International Journal of Control, 2018, 91, 2366-2386.	1.2	43
23	A numerical frame work of magnetically driven Powell-Eyring nanofluid using single phase model. Scientific Reports, 2021, 11, 16500.	1.6	43
24	Features of entropy optimization on viscous second grade nanofluid streamed with thermal radiation: A Tiwari and Das model. Case Studies in Thermal Engineering, 2021, 27, 101291.	2.8	43
25	Approximate controllability results for analytic resolvent integro-differential inclusions in Hilbert spaces. International Journal of Control, 2018, 91, 204-214.	1.2	42
26	Approximate controllability results for non-densely defined fractional neutral differential inclusions with Hilleâ€“Yosida operators. International Journal of Control, 2019, 92, 2210-2222.	1.2	42
27	A note concerning to approximate controllability of Atangana-Baleanu fractional neutral stochastic systems with infinite delay. Chaos, Solitons and Fractals, 2022, 157, 111916.	2.5	41
28	Existence of global solutions for second order impulsive abstract partial differential equations. Nonlinear Analysis: Theory, Methods & Applications, 2011, 74, 6747-6757.	0.6	40
29	A novel case study of thermal and streamline analysis in a grooved enclosure filled with (Agâ€“MgO/Water) hybrid nanofluid: Galerkin FEM. Case Studies in Thermal Engineering, 2021, 28, 101372.	2.8	40
30	A note on approximate controllability for nonlocal fractional evolution stochastic integrodifferential inclusions of order <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.svg"><mml:mrow><mml:mi>r</mml:mi><mml:mo>â^</mml:mo><mml:mo>(</mml:mo><mml:mn>1</mml:mn><mml:mo>, with delay. Chaos, Solitons and Fractals, 2021, 153, 111565.	2.5	40
31	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
32	A new approach on the approximate controllability of fractional differential evolution equations of order 1Â<ÂrÂ<Â2 in Hilbert spaces. Chaos, Solitons and Fractals, 2020, 141, 110310.	2.5	38
33	A new approach on approximate controllability of fractional evolution inclusions of order 1Â<ÂrÂ<Â2 with infinite delay. Chaos, Solitons and Fractals, 2020, 141, 110343.	2.5	37
34	Existence and controllability of nonlocal mixed <scp>Volterraâ€Fredholm</scp> type fractional delay integroâ€differential equations of order 1â€‰<â€‰<i>r</i>â€‰<â€‰2. Numerical Methods for Partial Differential Equations, 2024, 40, .	2.0	37
35	A Note on Approximate Controllability of Fractional Semilinear Integrodifferential Control Systems via Resolvent Operators. Fractal and Fractional, 2022, 6, 73.	1.6	37
36	Controllability of Second-Order Impulsive Nonlocal Cauchy Problem Via Measure of Noncompactness. Mediterranean Journal of Mathematics, 2017, 14, 1.	0.4	35

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37	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
38	Approximate Controllability Results for Fractional Semilinear Integro-Differential Inclusions in Hilbert Spaces. Results in Mathematics, 2017, 71, 45-61.	0.4	33
39	Optimal control and approximate controllability for fractional integrodifferential evolution equations with infinite delay of order râ^(1,2). Optimal Control Applications and Methods, 2022, 43, 996-1019.	1.3	32
40	A new exploration on the existence and approximate controllability for fractional semilinear impulsive control systems of order <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.svg"><mml:mrow><mml:mi>r</mml:mi><mml:mo>â^</mml:mo><mml:mo>(</mml:mo><mml:mn>1</mml:mn><mml:mo>, Chaos, Solitons and Fractals, 2022, 154, 111615.	2.5	28
41	Approximate controllability of Sobolev type fractional integro-differential systems of order <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e22" altimg="si4.svg"><mml:mrow><mml:mn>1</mml:mn><mml:mo linebreak="goodbreak" linebreakstyle="after"><</mml:mo><mml:mi>r</mml:mi><mml:mo linebreak="goodbreak" linebreakstyle="after"><</mml:mo><mml:mn>2</mml:mn></mml:mrow></mml:math> with sectorial operators. Journal of Computational and Applied Mathematics, 2022, 415, 114492.	1.1	28
42	Partial velocity slip effect on working magneto non-Newtonian nanofluids flow in solar collectors subject to change viscosity and thermal conductivity with temperature. PLoS ONE, 2021, 16, e0259881.	1.1	25
43	An analysis on the approximate controllability of Hilfer fractional neutral differential systems in Hilbert spaces. AEJ - Alexandria Engineering Journal, 2022, 61, 7291-7302.	3.4	25
44	Approximate Controllability for a Class of Second-Order Stochastic Evolution Inclusions of Clarkeâ€™s Subdifferential Type. Results in Mathematics, 2018, 73, 1.	0.4	23
45	A discussion concerning the existence results for the Sobolev-type Hilfer fractional delay integro-differential systems. Advances in Difference Equations, 2021, 2021, .	3.5	23
46	Approximate controllability of fractional stochastic integro-differential equations with infinite delay of order 1 < Î± < 2. IMA Journal of Mathematical Control and Information, 2016, 33, 685-699.	1.1	21
47	A note on existence and approximate controllability outcomes of Atanganaâ€“Baleanu neutral fractional stochastic hemivariational inequality. Results in Physics, 2022, 38, 105647.	2.0	19
48	Existence of Global Solutions for a Class of Abstract Second-Order Nonlocal Cauchy Problem with Impulsive Conditions in Banach Spaces. Numerical Functional Analysis and Optimization, 2018, 39, 704-736.	0.6	18
49	On the Approximate Controllability of Second-Order Evolution Hemivariational Inequalities. Results in Mathematics, 2020, 75, 1.	0.4	18
50	New discussion about the approximate controllability of fractional stochastic differential inclusions with order 1â€‰<â€‰<i>r</i>â€‰<â€‰2. Asian Journal of Control, 2022, 24, 2519-2533.	1.9	18
51	Optimal control results for Sobolevâ€type fractional mixed Volterraâ€“Fredholm type integrodifferential equations of order 1 < r < 2 with sectorial operators. Optimal Control Applications and Methods, 2022, 43, 1314-1327.	1.3	18
52	New discussion on nonlocal controllability for fractional evolution system of order $1 < r < 2$. Advances in Difference Equations, 2021, 2021, .	3.5	17
53	Approximate controllability of Atangana-Baleanu fractional neutral delay integrodifferential stochastic systems with nonlocal conditionsâ˜†. Ain Shams Engineering Journal, 2023, 14, 101882.	3.5	17
54	Approximate controllability results for abstract neutral integro-differential inclusions with infinite delay in Hilbert spaces. IMA Journal of Mathematical Control and Information, 0, , dnw049.	1.1	16

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55	New results concerning to approximate controllability of fractional integroâ€differential evolution equations of order 1â€‰<â€‰<i>r</i>â€‰<â€‰2. Numerical Methods for Partial Differential Equations, 0, , .	2.0	16
56	Results on approximate controllability of Sobolev type fractional stochastic evolution hemivariational inequalities. Numerical Methods for Partial Differential Equations, 2024, 40, .	2.0	16
57	Results on existence and controllability results for fractional evolution inclusions of order 1â€‰<â€‰<i>r</i>â€‰<â€‰2 with Clarke's subdifferential type. Numerical Methods for Partial Differential Equations, 2024, 40, .	2.0	15
58	An existence result for an infinite system of implicit fractional integral equations via generalized Darboâ€™s fixed point theorem. Computational and Applied Mathematics, 2021, 40, 1.	1.0	15
59	Computational analysis of radiative Williamson hybrid nanofluid comprising variable thermal conductivity. Japanese Journal of Applied Physics, 2021, 60, 087004.	0.8	15
60	Controllability for a class of second order functional evolution differential equations without uniqueness. IMA Journal of Mathematical Control and Information, 2019, 36, 225-246.	1.1	14
61	Approximate controllability results for Sobolevâ€type delay differential system of fractional order without uniqueness. Numerical Methods for Partial Differential Equations, 2023, 39, 3479-3498.	2.0	14
62	On the approximate controllability of neutral integro-differential inclusions of Sobolev-type with infinite delay. Evolution Equations and Control Theory, 2021, 10, 271-396.	0.7	14
63	Results on approximate controllability of neutral integroâ€differential stochastic system with stateâ€dependent delay. Numerical Methods for Partial Differential Equations, 2024, 40, .	2.0	13
64	Results on controllability for Sobolev type fractional differential equations of order $ 1 < r < 2 $ with finite delay. AIMS Mathematics, 2022, 7, 10215-10233.	0.7	13
65	On the weighted fractional integral inequalities for Chebyshev functionals. Advances in Difference Equations, 2021, 2021, .	3.5	12
66	Dynamical behavior of tumor-immune system with fractal-fractional operator. AIMS Mathematics, 2022, 7, 8751-8773.	0.7	12
67	Existence results for Caputo fractional mixed Volterra-Fredholm-type integrodifferential inclusions of order r â^ (1, 2) with sectorial operators. Chaos, Solitons and Fractals, 2022, 159, 112127.	2.5	11
68	A Note on Existence of Mild Solutions for Second-Order Neutral Integro-Differential Evolution Equations with State-Dependent Delay. Fractal and Fractional, 2021, 5, 126.	1.6	10
69	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
70	A discussion concerning to partial-approximate controllability of Hilfer fractional system with nonlocal conditions via approximating method. Chaos, Solitons and Fractals, 2022, 157, 111924.	2.5	10
71	Existence and continuous dependence results for fractional evolution integrodifferential equations of order <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.svg"><mml:mrow><mml:mi>r</mml:mi><mml:mo>â^</mml:mo><mml:mo stretchy="true">(</mml:mo><mml:mn>1</mml:mn><mml:mo>,</mml:mo><mml:mn>2</mml:mn><mml:mo) Tj ETQq1 1 0.784314 rg /F5 9929-9939.	3.4	10
72	Results on Atangana-Baleanu fractional semilinear neutral delay integro-differential systems in Banach space. Journal of King Saud University - Science, 2022, 34, 102158.	1.6	10

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73	Results on the approximate controllability of fractional hemivariational inequalities of order $1< r<2$. Advances in Difference Equations, 2021, 2021, .	3.5	9
74	EXISTENCE OF GLOBAL SOLUTIONS FOR IMPULSIVE FUNCTIONAL DIFFERENTIAL EQUATIONS WITH NONLOCAL CONDITIONS. Journal of Nonlinear Science and Applications, 2011, 04, 102-114.	0.4	8
75	Discussion on the controllability results for fractional neutral impulsive Atanganaâ€“Baleanu delay integroâ€differential systems. Mathematical Methods in the Applied Sciences, 0, , .	1.2	7
76	A note on the existence and optimal control for mixed Volterraâ€“Fredholmâ€type integrodifferential dispersion system of third order. Asian Journal of Control, 2023, 25, 2113-2121.	1.9	6
77	An Analysis Regarding to Approximate Controllability for Hilfer Fractional Neutral Evolution Hemivariational Inequality. Qualitative Theory of Dynamical Systems, 2022, 21, .	0.8	6
78	Existence and controllability of Hilfer fractional neutral differential equations with time delay via sequence method. AIMS Mathematics, 2022, 7, 12760-12780.	0.7	5
79	Exact Controllability Results for Sobolev-Type Hilfer Fractional Neutral Delay Volterra-Fredholm Integro-Differential Systems. Fractal and Fractional, 2022, 6, 81.	1.6	4
80	Numerical solution of system of fuzzy fractional order Volterra integro-differential equation using optimal homotopy asymptotic method. AIMS Mathematics, 2022, 7, 13169-13191.	0.7	4
81	An investigation on the approximate controllability of impulsive neutral delay differential inclusions of second order. Mathematical Methods in the Applied Sciences, 0, , .	1.2	3
82	Discussion on boundary controllability of nonlocal fractional neutral integrodifferential evolution systems. AIMS Mathematics, 2022, 7, 7642-7656.	0.7	3
83	An analysis on approximate controllability of semilinear control systems with impulsive effects. AEJ - Alexandria Engineering Journal, 2022, 61, 12293-12299.	3.4	3
84	Lie analysis, conserved vectors, nonlinear self-adjoint classification and exact solutions of generalized $ left(N+1ight) $-dimensional nonlinear Boussinesq equation. AIMS Mathematics, 2022, 7, 13139-13168.	0.7	2
85	An analysis concerning approximate controllability results for second-order Sobolev-type delay differential systems with impulses. Journal of Inequalities and Applications, 2022, 2022, .	0.5	2
86	A discussion on the existence and uniqueness analysis for the coupled two-term fractional differential equations. Turkish Journal of Mathematics, 0, , .	0.3	1
87	Results on exact controllability of second-order semilinear control system in Hilbert spaces. Advances in Difference Equations, 2021, 2021, .	3.5	1
88	An investigation on boundary controllability for Sobolev-type neutral evolution equations of fractional order in Banach space. AIMS Mathematics, 2022, 7, 11687-11707.	0.7	1
89	A Note on Asymptotic Stability of Semilinear Thermoelastic System. Qualitative Theory of Dynamical Systems, 2022, 21, .	0.8	1
90	Investigating existence results for fractional evolution inclusions with order r â^ (1, 2) in Banach space. International Journal of Nonlinear Sciences and Numerical Simulation, 2023, 24, 2047-2060.	0.4	1

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91	GLOBAL EXISTENCE FOR VOLTERRA-FREDHOLM TYPE FUNCTIONAL IMPULSIVE INTEGRODIFFERENTIAL EQUATIONS. Journal of the Korean Society for Industrial and Applied Mathematics, 2013, 17, 17-28.	0.0	0
92	A note on the approximate controllability of second-order integro-differential evolution control systems via resolvent operators. Advances in Difference Equations, 2021, 2021, .	3.5	0