

KBalachandran

List of Publications by Year in descending order

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239
papers

3,924
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159585

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242
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242
docs citations

242
times ranked

1138
citing authors

#	ARTICLE	IF	CITATIONS
1	On recent developments in the theory of abstract differential equations with fractional derivatives. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2010, 73, 3462-3471.	1.1	162
2	Controllability of Nonlinear Systems in Banach Spaces: A Survey. <i>Journal of Optimization Theory and Applications</i> , 2002, 115, 7-28.	1.5	161
3	The nonlocal Cauchy problem for nonlinear fractional integrodifferential equations in Banach spaces. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2010, 72, 4587-4593.	1.1	133
4	Nonlocal Cauchy problem for abstract fractional semilinear evolution equations. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2009, 71, 4471-4475.	1.1	99
5	Controllability of nonlinear fractional dynamical systems. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2012, 75, 1919-1926.	1.1	98
6	Existence of solutions of nonlinear fractional pantograph equations. <i>Acta Mathematica Scientia</i> , 2013, 33, 712-720.	1.0	96
7	Existence results for fractional impulsive integrodifferential equations in Banach spaces. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2011, 16, 1970-1977.	3.3	86
8	Controllability of nonlinear systems via fixed-point theorems. <i>Journal of Optimization Theory and Applications</i> , 1987, 53, 345-352.	1.5	83
9	Controllability of fractional integrodifferential systems in Banach spaces. <i>Nonlinear Analysis: Hybrid Systems</i> , 2009, 3, 363-367.	3.5	69
10	Controllability of integrodifferential systems in Banach spaces. <i>Applied Mathematics and Computation</i> , 2001, 118, 63-71.	2.2	66
11	On the controllability of fractional dynamical systems. <i>International Journal of Applied Mathematics and Computer Science</i> , 2012, 22, 523-531.	1.5	65
12	Existence of solutions of abstract fractional impulsive semilinear evolution equations. <i>Electronic Journal of Qualitative Theory of Differential Equations</i> , 2010, , 1-12.	0.5	56
13	Global exponential stability of neutral-type impulsive neural networks with discrete and distributed delays. <i>Nonlinear Analysis: Hybrid Systems</i> , 2010, 4, 103-112.	3.5	54
14	On fractional impulsive equations of Sobolev type with nonlocal condition in Banach spaces. <i>Computers and Mathematics With Applications</i> , 2011, 62, 1157-1165.	2.7	53
15	Controllability of fractional damped dynamical systems. <i>Applied Mathematics and Computation</i> , 2015, 257, 66-73.	2.2	53
16	Controllability Results for Nonlinear Fractional-Order Dynamical Systems. <i>Journal of Optimization Theory and Applications</i> , 2013, 156, 33-44.	1.5	52
17	Relative controllability of fractional dynamical systems with multiple delays in control. <i>Computers and Mathematics With Applications</i> , 2012, 64, 3037-3045.	2.7	50
18	Relative controllability of fractional dynamical systems with delays in control. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2012, 17, 3508-3520.	3.3	46

#	ARTICLE	IF	CITATIONS
19	Controllability of nonlinear integrodifferential systems in Banach space. Journal of Optimization Theory and Applications, 1995, 84, 83-91.	1.5	44
20	Existence of Solutions of Nonlinear Neutral Integrodifferential Equations in Banach Spaces. Journal of Mathematical Analysis and Applications, 2000, 251, 93-105.	1.0	42
21	Existence of solutions of general nonlinear fuzzy Volterra-Fredholm integral equations. Journal of Applied Mathematics and Stochastic Analysis, 2005, 2005, 333-343.	0.3	42
22	Controllability of neutral functional integrodifferential systems in Banach spaces. Computers and Mathematics With Applications, 2000, 39, 117-126.	2.7	40
23	Finite-time stability of fractional-order stochastic singular systems with time delay and white noise. Complexity, 2016, 21, 370-379.	1.6	40
24	Controllability of Functional Semilinear Integrodifferential Systems in Banach Spaces. Journal of Mathematical Analysis and Applications, 2001, 255, 447-457.	1.0	38
25	Existence results for impulsive neutral functional integrodifferential equations with infinite delay. Nonlinear Analysis: Theory, Methods & Applications, 2009, 71, 3152-3162.	1.1	38
26	Controllability of second-order impulsive evolution systems with infinite delay. Nonlinear Analysis: Hybrid Systems, 2014, 11, 139-153.	3.5	36
27	Local null controllability of nonlinear functional differential systems in Banach space. Journal of Optimization Theory and Applications, 1996, 88, 61-75.	1.5	35
28	Approximate controllability of nonlinear stochastic impulsive integrodifferential systems in hilbert spaces. Chaos, Solitons and Fractals, 2009, 42, 2035-2046.	5.1	35
29	Controllability of Nonlinear Fractional Delay Dynamical Systems. Reports on Mathematical Physics, 2016, 77, 87-104.	0.8	35
30	Relative controllability of fractional dynamical systems with distributed delays in control. Computers and Mathematics With Applications, 2012, 64, 3201-3209.	2.7	31
31	Controllability of Neutral Evolution Integrodifferential Systems with State Dependent Delay. Journal of Optimization Theory and Applications, 2012, 153, 85-97.	1.5	31
32	Existence results for abstract fractional differential equations with nonlocal conditions via resolvent operators. Indagationes Mathematicae, 2013, 24, 68-82.	0.4	31
33	Controllability of second-order semilinear neutral functional differential systems in Banach spaces. Computers and Mathematics With Applications, 2001, 41, 1223-1235.	2.7	30
34	Controllability of nonlinear higher order fractional dynamical systems. Nonlinear Dynamics, 2013, 71, 605-612.	5.2	30
35	Note on controllability of linear fractional dynamical systems. Journal of Control and Decision, 2016, 3, 267-279.	1.6	29
36	Controllability of Sobolev-type semilinear integrodifferential systems in Banach spaces. Applied Mathematics Letters, 1999, 12, 63-71.	2.7	27

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37	CONTROLLABILITY OF NEUTRAL FUNCTIONAL INTEGRODIFFERENTIAL INFINITE DELAY SYSTEMS IN BANACH SPACES. Taiwanese Journal of Mathematics, 2004, 8, 687.	0.4	27
38	Controllability of nonlinear stochastic neutral impulsive systems. Nonlinear Analysis: Hybrid Systems, 2009, 3, 266-276.	3.5	27
39	Numerical controllability of fractional dynamical systems. Optimization, 2014, 63, 1267-1279.	1.7	27
40	Existence of solutions of neutral functional integrodifferential equation in Banach spaces. Proceedings of the Indian Academy of Sciences: Mathematical Sciences, 1999, 109, 325-332.	0.1	25
41	Boundary controllability of integrodifferential systems in Banach spaces. Proceedings of the Indian Academy of Sciences: Mathematical Sciences, 2001, 111, 127-135.	0.1	25
42	Inverse problem for the reaction diffusion system by optimization method. Applied Mathematical Modelling, 2011, 35, 571-579.	4.2	25
43	Controllability results for semilinear impulsive integrodifferential evolution systems with nonlocal conditions. Journal of Control Theory and Applications, 2012, 10, 28-34.	0.8	25
44	Nonlocal Cauchy problem for delay integrodifferential equations of Sobolev type in Banach spaces. Applied Mathematics Letters, 2002, 15, 845-854.	2.7	24
45	Existence of solutions and controllability of nonlinear integrodifferential systems in Banach spaces. Mathematical Problems in Engineering, 2003, 2003, 65-79.	1.1	24
46	Spatiotemporal Patterns in a Predator-Prey Model with Cross-Diffusion Effect. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2018, 28, 1830004.	1.7	24
47	Analysis of different systems VIA Single-Term Walsh Series Method. International Journal of Computer Mathematics, 1990, 33, 171-179.	1.8	23
48	Controllability of impulsive neutral functional evolution integrodifferential systems with infinite delay. Nonlinear Analysis: Hybrid Systems, 2011, 5, 655-670.	3.5	23
49	Mean-square stability of second-order Runge-Kutta methods for multi-dimensional linear stochastic differential systems. Journal of Computational and Applied Mathematics, 2008, 219, 170-197.	2.0	22
50	Mean-square stability of Milstein method for linear hybrid stochastic delay integro-differential equations. Nonlinear Analysis: Hybrid Systems, 2008, 2, 1256-1263.	3.5	22
51	On a class of non-linear parabolic control systems with memory effects. International Journal of Control, 2008, 81, 764-777.	1.9	22
52	Stability and Hopf bifurcation of a diffusive predator-prey model with hyperbolic mortality. Complexity, 2016, 21, 34-43.	1.6	22
53	Analysis of electronic circuits using the single-term Walsh series approach. International Journal of Electronics, 1990, 69, 327-332.	1.4	21
54	Optimal control of singular systems via single-term walsh series. International Journal of Computer Mathematics, 1992, 43, 153-159.	1.8	21

#	ARTICLE	IF	CITATIONS
55	Existence results for a damped second order abstract functional differential equation with impulses. <i>Mathematical and Computer Modelling</i> , 2009, 50, 1583-1594.	2.0	21
56	Existence results for fractional integrodifferential equations with nonlocal condition via resolvent operators. <i>Computers and Mathematics With Applications</i> , 2011, 62, 1350-1358.	2.7	21
57	Controllability of Sobolev-Type Integrodifferential Systems in Banach Spaces. <i>Journal of Mathematical Analysis and Applications</i> , 1998, 217, 335-348.	1.0	20
58	Controllability of nonlinear Itô type stochastic integrodifferential systems. <i>Journal of the Franklin Institute</i> , 2008, 345, 382-391.	3.4	20
59	Existence results for impulsive neutral evolution integrodifferential equations with infinite delay. <i>Nonlinear Analysis: Hybrid Systems</i> , 2009, 3, 674-684.	3.5	20
60	Controllability of stochastic systems with distributed delays in control. <i>International Journal of Control</i> , 2009, 82, 1288-1296.	1.9	20
61	Delay-dependent global asymptotic stability criteria for genetic regulatory networks with time delays in the leakage term. <i>Physica Scripta</i> , 2011, 84, 055007.	2.5	20
62	Controllability of Damped Second-Order Impulsive Neutral Functional Differential Systems with Infinite Delay. <i>Journal of Optimization Theory and Applications</i> , 2012, 152, 799-813.	1.5	20
63	Controllability of impulsive neutral integrodifferential systems with infinite delay in Banach spaces. <i>Nonlinear Analysis: Hybrid Systems</i> , 2009, 3, 184-194.	3.5	19
64	CONTROLLABILITY OF DAMPED SECOND-ORDER NEUTRAL FUNCTIONAL DIFFERENTIAL SYSTEMS WITH IMPULSES. <i>Taiwanese Journal of Mathematics</i> , 2012, 16, .	0.4	19
65	Controllability of nonlinear stochastic systems with multiple time-varying delays in control. <i>International Journal of Applied Mathematics and Computer Science</i> , 2015, 25, 207-215.	1.5	19
66	Controllability of nonlinear stochastic fractional neutral systems with multiple time varying delays in control. <i>Chaos, Solitons and Fractals</i> , 2017, 102, 162-167.	5.1	19
67	Asymptotic Behavior of the Fractional Order three Species Prey-Predator Model. <i>International Journal of Nonlinear Sciences and Numerical Simulation</i> , 2018, 19, 721-733.	1.0	19
68	Existence of solutions of abstract nonlinear second-order neutral functional integrodifferential equations. <i>Computers and Mathematics With Applications</i> , 2003, 46, 1313-1324.	2.7	18
69	Controllability of stochastic integrodifferential systems. <i>International Journal of Control</i> , 2007, 80, 486-491.	1.9	18
70	Mean square stability of semi-implicit Euler method for linear stochastic differential equations with multiple delays and Markovian switching. <i>Applied Mathematics and Computation</i> , 2008, 206, 968-979.	2.2	18
71	Stability analysis of the fractional-order prey-predator model with infection. <i>International Journal of Modelling and Simulation</i> , 2021, 41, 434-450.	3.3	18
72	Single-term Walsh series approach to singular systems. <i>International Journal of Control</i> , 1987, 46, 1931-1934.	1.9	17

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73	Boundary controllability of Sobolev-type abstract nonlinear integrodifferential systems. Journal of Mathematical Analysis and Applications, 2003, 277, 446-464.	1.0	17
74	Remarks on the paper "Controllability of second order differential inclusion in Banach spaces" [J. Math. Anal. Appl. 285 (2003) 537-550]. Journal of Mathematical Analysis and Applications, 2006, 324, 746-749.	1.0	17
75	Existence of solutions of abstract fractional integrodifferential equations of Sobolev type. Computers and Mathematics With Applications, 2012, 64, 3406-3413.	2.7	17
76	Stability and Hopf bifurcation of a diffusive predator-prey model with predator saturation and competition. Applicable Analysis, 2013, 92, 2439-2456.	1.3	17
77	On controllability for a class of stochastic impulsive systems with delays in control. International Journal of Systems Science, 2013, 44, 67-76.	5.5	17
78	Stabilizability of fractional dynamical systems. Fractional Calculus and Applied Analysis, 2014, 17, 511-531.	2.2	17
79	Controllability of perturbed nonlinear delay systems. IEEE Transactions on Automatic Control, 1987, 32, 172-174.	5.7	16
80	Existence of solutions of nonlinear integrodifferential equations of sobolev type with nonlocal condition in Banach spaces. Proceedings of the Indian Academy of Sciences: Mathematical Sciences, 2000, 110, 225-232.	0.1	16
81	Analysis of nonlinear singular systems via stws method. International Journal of Computer Mathematics, 1990, 36, 9-12.	1.8	15
82	Controllability of second-order integrodifferential evolution systems in Banach spaces. Computers and Mathematics With Applications, 2005, 49, 1623-1642.	2.7	15
83	On local attractivity of solutions of a functional integral equation of fractional order with deviating arguments. Communications in Nonlinear Science and Numerical Simulation, 2010, 15, 2809-2817.	3.3	15
84	Controllability results for damped second-order impulsive neutral integrodifferential systems with nonlocal conditions. Journal of Control Theory and Applications, 2013, 11, 186-192.	0.8	15
85	Controllability of nonlinear implicit fractional integrodifferential systems. International Journal of Applied Mathematics and Computer Science, 2014, 24, 713-722.	1.5	15
86	Solvability of reaction-diffusion model with variable exponents. Mathematical Methods in the Applied Sciences, 2014, 37, 1436-1448.	2.3	15
87	Existence and stability results for Caputo fractional stochastic differential equations with Lévy noise. Filomat, 2020, 34, 1739-1751.	0.5	15
88	EXISTENCE AND UNIQUENESS OF SOLUTIONS OF DEGENERATE CHEMOTAXIS SYSTEM. Taiwanese Journal of Mathematics, 2014, 18, .	0.4	14
89	Controllability of nonlinear systems consisting of a bilinear mode with distributed delays in control. IEEE Transactions on Automatic Control, 1984, 29, 573-575.	5.7	13
90	THE NON-LOCAL CAUCHY PROBLEM FOR SEMILINEAR INTEGRODIFFERENTIAL EQUATIONS WITH DEVIATING ARGUMENT. Proceedings of the Edinburgh Mathematical Society, 2001, 44, 63-70.	0.3	13

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91	Exact controllability of nonlinear diffusion equations arising in reactor dynamics. <i>Nonlinear Analysis: Real World Applications</i> , 2008, 9, 2029-2054.	1.7	13
92	Controllability of nonlinear stochastic fractional systems with distributed delays in control. <i>Journal of Control and Decision</i> , 2017, 4, 153-167.	1.6	13
93	Note on single-term Walsh series method for singular systems. <i>IEE Proceedings D: Control Theory and Applications</i> , 1992, 139, 347.	0.4	13
94	CONTROLLABILITY OF SECOND-ORDER IMPULSIVE FUNCTIONAL DIFFERENTIAL EQUATIONS WITH STATE-DEPENDENT DELAY. <i>Bulletin of the Korean Mathematical Society</i> , 2011, 48, 1271-1290.	0.3	13
95	Existence of solutions of nonlinear integrodifferential equation with nonlocal condition. <i>Journal of Applied Mathematics and Stochastic Analysis</i> , 1997, 10, 279-288.	0.3	12
96	Existence and global attractivity of solutions of a nonlinear functional integral equation. <i>Applied Mathematics and Computation</i> , 2010, 216, 261-268.	2.2	12
97	Constrained controllability of nonlinear stochastic impulsive systems. <i>International Journal of Applied Mathematics and Computer Science</i> , 2011, 21, 307-316.	1.5	12
98	Existence and Uniqueness of Solutions of Predator-Prey Type Model with Mixed Boundary Conditions. <i>Acta Applicandae Mathematicae</i> , 2011, 116, 71-86.	1.0	12
99	Stability and Hopf bifurcation analysis of a diffusive predator-prey model with Smith growth. <i>International Journal of Biomathematics</i> , 2015, 08, 1550013.	2.9	12
100	Analysis of Stochastic Predator-Prey Model with Disease in the Prey and Holling Type II Functional Response. <i>Advances in Mathematical Physics</i> , 2020, 2020, 1-17.	0.8	12
101	Global and local controllability of nonlinear systems. <i>IEE Proceedings D: Control Theory and Applications</i> , 1985, 132, 14.	0.4	11
102	SOBOLEV TYPE INTEGRODIFFERENTIAL EQUATION WITH NONLOCAL CONDITION IN BANACH SPACES. <i>Taiwanese Journal of Mathematics</i> , 2003, 7, 155.	0.4	11
103	Controllability of neutral functional evolution integrodifferential systems with infinite delay. <i>IMA Journal of Mathematical Control and Information</i> , 2007, 25, 157-171.	1.7	11
104	Controllability of semilinear stochastic functional integrodifferential systems in Hilbert spaces. <i>Nonlinear Analysis: Hybrid Systems</i> , 2009, 3, 39-50.	3.5	11
105	Null controllability of nonlinear heat equation with memory effects. <i>Nonlinear Analysis: Hybrid Systems</i> , 2009, 3, 163-175.	3.5	11
106	Constrained Controllability of Fractional Dynamical Systems. <i>Numerical Functional Analysis and Optimization</i> , 2013, 34, 1187-1205.	1.4	11
107	Numerical solution of a singular nonlinear system from fluid dynamics. <i>International Journal of Computer Mathematics</i> , 1991, 38, 211-218.	1.8	10
108	CONTROLLABILITY OF QUASI-LINEAR DELAY SYSTEMS IN BANACH SPACES. <i>Optimal Control Applications and Methods</i> , 1995, 16, 283-290.	2.1	10

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109	Existence of solutions of nonlinear abstract neutral integrodifferential equations. Computers and Mathematics With Applications, 2004, 48, 1403-1414.	2.7	10
110	Null controllability of neutral evolution integrodifferential systems with infinite delay. Mathematical Problems in Engineering, 2006, 2006, 1-18.	1.1	10
111	Controllability of nonlocal impulsive quasi-linear integrodifferential systems in Banach spaces. Reports on Mathematical Physics, 2010, 65, 247-257.	0.8	10
112	-stability of the split-step -methods for linear stochastic delay integro-differential equations. Nonlinear Analysis: Hybrid Systems, 2011, 5, 639-646.	3.5	10
113	Global existence and blow up of solutions of quasilinear chemotaxis system. Mathematical Methods in the Applied Sciences, 2015, 38, 3738-3746.	2.3	10
114	Null controllability of fractional dynamical systems with constrained control. Fractional Calculus and Applied Analysis, 2017, 20, 553-565.	2.2	10
115	Bifurcation and spatiotemporal patterns of a density-dependent predator-prey model with Crowley-Martin functional response. International Journal of Biomathematics, 2017, 10, 1750079.	2.9	10
116	Analysis of time-varying singular systems via single-term Walsh-series approach. IEE Proceedings D: Control Theory and Applications, 1988, 135, 461.	0.4	10
117	Controllability of nonlinear fractional Langevin delay systems. Nonlinear Analysis: Modelling and Control, 2018, 23, 321-340.	1.6	10
118	Global relative controllability of non-linear systems with time-varying multiple delays in control. International Journal of Control, 1987, 46, 193-200.	1.9	9
119	Optimal control of linear time-varying delay systems via single-term walsh series. IEE Proceedings D: Control Theory and Applications, 1988, 135, 332.	0.4	9
120	Null controllability of nonlinear infinite delay systems with time varying multiple delays in control. Applied Mathematics Letters, 1996, 9, 115-121.	2.7	9
121	Existence of Solutions of General Nonlinear Stochastic Volterra Fredholm Integral Equations. Stochastic Analysis and Applications, 2005, 23, 827-851.	1.5	9
122	Controllability Results for Second Order Neutral Impulsive Integrodifferential Systems. Journal of Optimization Theory and Applications, 2011, 151, 589-612.	1.5	9
123	Remark on the existence results for fractional impulsive integrodifferential equations in Banach spaces. Communications in Nonlinear Science and Numerical Simulation, 2012, 17, 2244-2247.	3.3	9
124	Weak-renormalized solutions for predator-prey system. Applicable Analysis, 2013, 92, 441-459.	1.3	9
125	Relative controllability of nonlinear neutral fractional integrodifferential systems with distributed delays in control. Mathematical Methods in the Applied Sciences, 2016, 39, 214-224.	2.3	9
126	Moderate deviations for stochastic tidal dynamics equations with multiplicative Gaussian noise. Applicable Analysis, 2022, 101, 1456-1490.	1.3	9

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127	EXISTENCE OF SOLUTIONS OF QUASILINEAR INTEGRODIFFERENTIAL EVOLUTION EQUATIONS IN BANACH SPACES. Bulletin of the Korean Mathematical Society, 2009, 46, 691-700.	0.3	9
128	Existence of optimal control for nonlinear systems with quadratic performance. Journal of the Australian Mathematical Society Series B Applied Mathematics, 1987, 29, 249-255.	0.2	8
129	Relative controllability of perturbations of nonlinear systems. Journal of Optimization Theory and Applications, 1989, 63, 51-56.	1.5	8
130	Null controllability of nonlinear infinite delay systems with distributed delays in control. Journal of Mathematical Analysis and Applications, 1990, 145, 274-281.	1.0	8
131	Existence of solutions of a nonlinear mixed neutral equation. Applied Mathematics Letters, 1998, 11, 23-28.	2.7	8
132	Observability of Nonlinear Fractional Dynamical Systems. Abstract and Applied Analysis, 2013, 2013, 1-7.	0.7	8
133	Controllability of non-linear implicit fractional dynamical systems. IMA Journal of Applied Mathematics, 2014, 79, 562-570.	1.6	8
134	Controllability of impulsive second-order nonlinear systems with nonlocal conditions in Banach spaces. Journal of Control and Decision, 2015, 2, 203-218.	1.6	8
135	Local Controllability of Quasilinear Integro-differential Evolution Systems in Banach Spaces. Journal of Mathematical Analysis and Applications, 2001, 258, 309-319.	1.0	7
136	On fuzzy Volterra integral equations with deviating arguments. Journal of Applied Mathematics and Stochastic Analysis, 2004, 2004, 169-176.	0.3	7
137	Bifurcations in a diffusive predator-prey model with predator saturation and competition response. Mathematical Methods in the Applied Sciences, 2015, 38, 785-798.	2.3	7
138	Laplace Adomian decomposition method for solving a fish farm model. Nonautonomous Dynamical Systems, 2016, 3, 104-111.	0.7	7
139	Controllability of nonlinear implicit neutral fractional Volterra integrodifferential systems. JVC/Journal of Vibration and Control, 2016, 22, 2165-2172.	2.6	7
140	Spatial Pattern of Ratio-Dependent Predator-prey Model with Prey Harvesting and Cross-Diffusion. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2019, 29, 1950036.	1.7	7
141	Controllability of nonlinear stochastic neutral fractional dynamical systems. Nonlinear Analysis: Modelling and Control, 2017, 22, 702-718.	1.6	7
142	Controllability of Perturbed Nonlinear Systems. IMA Journal of Mathematical Control and Information, 1989, 6, 253-258.	1.7	6
143	Analysis of transistor circuits using the single-term Walsh series technique. International Journal of Electronics, 1991, 71, 397-401.	1.4	6
144	Controllability of nonlinear evolution delay integrodifferential systems. Applied Mathematics and Computation, 2003, 139, 63-84.	2.2	6

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145	Controllability and Observability Theory of Certain Parabolic Integrodifferential Equations. Computers and Mathematics With Applications, 2006, 52, 1299-1316.	2.7	6
146	EXISTENCE RESULTS FOR ABSTRACT DEGENERATE NEUTRAL FUNCTIONAL DIFFERENTIAL EQUATIONS. Bulletin of the Australian Mathematical Society, 2010, 81, 329-342.	0.5	6
147	Comments on Some Recent Results on Controllability of Abstract Differential Problems. Journal of Optimization Theory and Applications, 2013, 159, 292-295.	1.5	6
148	Simultaneous identification of parameters and initial datum of reaction diffusion system by optimization method. Applied Mathematical Modelling, 2013, 37, 8251-8263.	4.2	6
149	The controllability of nonlinear implicit fractional delay dynamical systems. International Journal of Applied Mathematics and Computer Science, 2017, 27, 501-513.	1.5	6
150	Boundary controllability of nonlinear stochastic fractional systems in Hilbert spaces. International Journal of Applied Mathematics and Computer Science, 2018, 28, 123-133.	1.5	6
151	Controllability of nonlinear Volterra integrodifferential systems with prescribed controls. Journal of Applied Mathematics and Stochastic Analysis, 1992, 5, 139-146.	0.3	6
152	Controllability of nonlinear systems consisting of a bilinear mode with time-varying delays in control. Automatica, 1984, 20, 257-258.	5.0	5
153	Controllability of nonlinear perturbations of linear systems with distributed delays in control. Robotica, 1985, 3, 89-91.	1.9	5
154	Null controllability of nonlinear infinite neutral systems with delays in control. Computers and Mathematics With Applications, 1998, 36, 39-50.	2.7	5
155	Controllability of second order semilinear ordinary differential systems in Banach spaces. Journal of Applied Mathematics and Stochastic Analysis, 1999, 12, 265-277.	0.3	5
156	Existence of solutions of a class of stochastic Volterra integral equations with applications to chemotherapy. Journal of the Australian Mathematical Society Series B Applied Mathematics, 1999, 41, 93-104.	0.2	5
157	Controllability of stochastic Volterra integrodifferential systems. Korean Journal of Computational and Applied Mathematics, 2002, 9, 583-589.	0.2	5
158	Reconstruction of two time independent coefficients in an inverse problem for a phase field system. Nonlinear Analysis: Theory, Methods & Applications, 2010, 72, 2841-2851.	1.1	5
159	Sample controllability of nonlinear stochastic integrodifferential systems. Nonlinear Analysis: Hybrid Systems, 2010, 4, 543-549.	3.5	5
160	Stability of Diffusion Coefficients in an Inverse Problem for the Lotka-Volterra Competition System. Acta Applicandae Mathematicae, 2010, 111, 129-147.	1.0	5
161	Controllability of non-linear stochastic systems with prescribed controls. IMA Journal of Mathematical Control and Information, 2010, 27, 77-89.	1.7	5
162	Controllability results for fractional integrodifferential systems in Banach spaces. International Journal of Computing Science and Mathematics, 2014, 5, 184.	0.3	5

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163	Controllability of semilinear stochastic delay systems with distributed delays in control. <i>Mathematics of Control, Signals, and Systems</i> , 2017, 29, 1.	2.3	5
164	Large deviations for the stochastic predator-prey model with nonlinear functional response. <i>Journal of Applied Probability</i> , 2017, 54, 507-521.	0.7	5
165	A note on controllability of semilinear integrodifferential systems in Banach spaces. <i>Journal of Applied Mathematics and Stochastic Analysis</i> , 2000, 13, 161-170.	0.3	5
166	Existence of solutions for quasi-linear impulsive functional integrodifferential equations in Banach spaces. <i>Journal of Nonlinear Science and Applications</i> , 2014, 07, 115-125.	1.0	5
167	On the controllability of a class of nonlinear systems with time-varying multiple delays in control. <i>IEE Proceedings D: Control Theory and Applications</i> , 1986, 133, 297.	0.4	4
168	Controllability of neutral Volterra integrodifferential systems. <i>Journal of the Australian Mathematical Society Series B Applied Mathematics</i> , 1992, 34, 18-25.	0.2	4
169	Relative controllability of nonlinear neutral Volterra integrodifferential systems. <i>Journal of the Australian Mathematical Society Series B Applied Mathematics</i> , 1996, 37, 346-353.	0.2	4
170	Existence of solutions of nonlinear extensible beam equations. <i>Mathematical and Computer Modelling</i> , 2002, 36, 747-754.	2.0	4
171	Finite element method for solving Keller-Segel chemotaxis system with cross-diffusion. <i>International Journal of Dynamics and Control</i> , 2018, 6, 539-549.	2.5	4
172	Relative Controllability of Nonlinear Fractional Langevin Systems with Delays in Control. <i>Vietnam Journal of Mathematics</i> , 2020, 48, 67-81.	0.8	4
173	Series solutions of some nonlinear differential equations. <i>Journal of Computational and Applied Mathematics</i> , 1988, 23, 103-107.	2.0	3
174	Controllability of Nonlinear Systems with Implicit Derivative. <i>IMA Journal of Mathematical Control and Information</i> , 1988, 5, 77-83.	1.7	3
175	Existence of optimal control for non-linear multiple-delay systems. <i>International Journal of Control</i> , 1989, 49, 769-775.	1.9	3
176	Controllability of nonlinear neutral Volterra integrodifferential systems. <i>Journal of the Australian Mathematical Society Series B Applied Mathematics</i> , 1994, 36, 107-116.	0.2	3
177	Existence of Solutions of a Class of Abstract Second Order Nonlinear Integrodifferential Equations. <i>Journal of Applied Mathematics and Stochastic Analysis</i> , 2002, 15, 115-124.	0.3	3
178	Comparison Theorems for Controllability of Nonlinear Volterra Integrodifferential Systems. <i>Journal of Mathematical Analysis and Applications</i> , 2002, 268, 457-465.	1.0	3
179	Existence of solutions of Sobolev-type semilinear mixed integrodifferential inclusions in Banach spaces. <i>Journal of Applied Mathematics and Stochastic Analysis</i> , 2003, 16, 163-170.	0.3	3
180	Inverse problems for the phase field system with one observation. <i>Applicable Analysis</i> , 2009, 88, 529-545.	1.3	3

#	ARTICLE	IF	CITATIONS
181	Controllability of a Reaction-Diffusion System Describing Predator-Prey Model. Numerical Functional Analysis and Optimization, 2010, 31, 831-851.	1.4	3
182	Existence of Solutions of Nonlinear Stochastic Volterra Fredholm Integral Equations of Mixed Type. International Journal of Mathematics and Mathematical Sciences, 2010, 2010, 1-16.	0.7	3
183	Controllability results for nonlinear impulsive integrodifferential evolution systems with time-varying delays. Journal of Control Theory and Applications, 2013, 11, 415-421.	0.8	3
184	Controllability of Neutral Impulsive Itô Type Stochastic Integrodifferential Systems. Vietnam Journal of Mathematics, 2013, 41, 59-80.	0.8	3
185	Weak-renormalized solutions for three species competition model in ecology. International Journal of Biomathematics, 2014, 07, 1450062.	2.9	3
186	On controllability for a class of second order semilinear stochastic systems. Journal of Control and Decision, 2016, 3, 211-222.	1.6	3
187	Controllability of Nonlinear Stochastic Fractional Higher Order Dynamical Systems. Fractional Calculus and Applied Analysis, 2019, 22, 1063-1085.	2.2	3
188	Hopf bifurcation and synchronisation of a fractional-order butterfly-fish chaotic system. Journal of Control and Decision, 2022, 9, 117-128.	1.6	3
189	Approximate solutions of a nonlinear differential equation. Journal of Computational and Applied Mathematics, 1988, 24, 399-402.	2.0	2
190	Controllability of nonlinear systems to affine manifolds. Journal of Optimization Theory and Applications, 1990, 64, 15-27.	1.5	2
191	An existence theorem for a Volterra integral equation with deviating arguments. Journal of Applied Mathematics and Stochastic Analysis, 1990, 3, 155-162.	0.3	2
192	Existence of Random Solutions of a General Class of Stochastic Functional Integral Equations. Stochastic Analysis and Applications, 2003, 21, 1189-1205.	1.5	2
193	Approximate controllability of non-linear evolution systems with time-varying delays. IMA Journal of Mathematical Control and Information, 2006, 23, 499-513.	1.7	2
194	Exact null controllability of a semilinear parabolic equation arising in finance. Nonlinear Analysis: Hybrid Systems, 2009, 3, 565-577.	3.5	2
195	Existence and uniqueness results for a semilinear Black-Scholes type equation. Nonlinear Analysis: Real World Applications, 2010, 11, 2796-2809.	1.7	2
196	Simultaneous Identification of Two Time Independent Coefficients in a Nonlinear Phase Field System. Journal of Optimization Theory and Applications, 2014, 160, 992-1008.	1.5	2
197	On the solutions of partial integrodifferential equations of fractional order. Tbilisi Mathematical Journal, 2017, 10, .	0.3	2
198	Large deviations for stochastic Kuramoto-Sivashinsky equation with multiplicative noise. Nonlinear Analysis: Modelling and Control, 2021, 26, 642-660.	1.6	2

#	ARTICLE	IF	CITATIONS
199	SOLVABILITY OF HYPERBOLIC FRACTIONAL PARTIAL DIFFERENTIAL EQUATIONS. Journal of Applied Analysis and Computation, 2017, 7, 1570-1585.	0.5	2
200	Large Deviations for Stochastic Fractional Integrodifferential Equations. AIMS Mathematics, 2017, 2, 348-364.	1.6	2
201	DYNAMICS OF A MODIFIED LESLIE-GOWER MODEL WITH GESTATION EFFECT AND NONLINEAR HARVESTIN. Journal of Applied Analysis and Computation, 2019, 9, 747-764.	0.5	2
202	BANG-BANG CONTROL OF A SECOND ORDER NONLINEAR UNSTABLE PLANT WITH FOURTH ORDER NONLINEARITY. Kybernetes, 1985, 14, 31-35.	2.2	1
203	Complete Controllability of Nonlinear Delay Systems. IMA Journal of Mathematical Control and Information, 1987, 4, 161-166.	1.7	1
204	An existence theorem for nonlinear delay differential equations. Journal of Applied Mathematics and Simulation, 1989, 2, 85-89.	0.2	1
205	Controllability of non-linear delay systems with an implicit derivative. International Journal of Control, 1989, 50, 1525-1531.	1.9	1
206	Existence of solution for nonlinear Volterra integral equations. Proceedings of the Indian Academy of Sciences - Section A, 1990, 100, 179-184.	0.2	1
207	On a Volterra integral equation with deviating arguments. Journal of Applied Mathematics and Stochastic Analysis, 1990, 3, 263-266.	0.3	1
208	Existence of solution for a mixed neutral system. Journal of Applied Mathematics and Stochastic Analysis, 1992, 5, 221-226.	0.3	1
209	Asymptotic null controllability of nonlinear perturbed systems. Journal of Optimization Theory and Applications, 1994, 83, 167-179.	1.5	1
210	A note on integrable solutions of Hammerstein integral equations. Proceedings of the Indian Academy of Sciences - Section A, 1995, 105, 99-103.	0.2	1
211	Existence of local solutions of quasilinear integrodifferential equations in banach spaces. Applicable Analysis, 2000, 76, 1-8.	1.3	1
212	QH-controllability of semilinear systems in Banach spaces. Applied Mathematics Letters, 2001, 14, 805-810.	2.7	1
213	NONLOCAL CAUCHY PROBLEM FOR SECOND ORDER INTEGRODIFFERENTIAL EVOLUTION EQUATIONS IN BANACH SPACES. Taiwanese Journal of Mathematics, 2007, 11, .	0.4	1
214	Uniqueness and stability in inverse parabolic equations with memory. Nonlinear Analysis: Hybrid Systems, 2008, 2, 1077-1088.	3.5	1
215	Weak solutions for p-Laplacian equation. Advances in Nonlinear Analysis, 2012, 1, .	2.6	1
216	Identification of source terms in the Lotka-Volterra system. Journal of Inverse and Ill-Posed Problems, 2012, 20, .	1.0	1

#	ARTICLE	IF	CITATIONS
217	REGULARITY OF SOLUTIONS OF QUASILINEAR DELAY INTEGRODIFFERENTIAL EQUATIONS. Journal of the Korean Mathematical Society, 2011, 48, 585-597.	0.4	1
218	A note on controllability of neutral Volterra integrodifferential systems. Journal of Applied Mathematics and Stochastic Analysis, 1993, 6, 153-159.	0.3	1
219	Relative controllability of nonlinear fractional delay integrodifferential systems with multiple delays in control. Kybernetika, 0, , 161-178.	0.0	1
220	Bifurcation on diffusive Hollingâ€ˆTanner predatorâ€ˆprey model with stoichiometric density dependence. Nonlinear Analysis: Modelling and Control, 2020, 25, .	1.6	1
221	POINTWISE COMPLETENESS AND FUNCTIONAL CONTROLLABILITY OF LINEAR DELAY SYSTEMS. Kybernetes, 1986, 15, 93-96.	2.2	0
222	BANG BANG CONTROL OF THE PLANT. Kybernetes, 1987, 16, 33-35.	2.2	0
223	Effect of time delay on system performance via single term Walsh series approach. International Journal of Systems Science, 1988, 19, 1635-1644.	5.5	0
224	Controllability of Nonlinear Infinite-Delay Systems. IMA Journal of Mathematical Control and Information, 1989, 6, 267-273.	1.7	0
225	Existence of solutions of nonlinear differential equations with deviating arguments. Bulletin of the Australian Mathematical Society, 1991, 44, 467-476.	0.5	0
226	Continuous dependence for integrodifferential equations with infinite delay. Proceedings of the Indian Academy of Sciences - Section A, 1991, 101, 195-198.	0.2	0
227	Existence and uniqueness of the solution of a nonâ€ˆlinear integroâ€ˆdifferential equation. International Journal of Mathematical Education in Science and Technology, 1992, 23, 281-285.	1.4	0
228	Existence of solutions of functional differential inclusions. Journal of Applied Mathematics and Stochastic Analysis, 1992, 5, 315-323.	0.3	0
229	Existence of optimal control for nonâ€ˆlinear systems with an implicit derivative. Optimal Control Applications and Methods, 1993, 14, 145-152.	2.1	0
230	Well posedness for evolution inclusions. Journal of Applied Mathematics and Stochastic Analysis, 1994, 7, 537-544.	0.3	0
231	Remarks on the controllability of nonlinear perturbations of Volterra integrodifferential systems. Journal of Applied Mathematics and Stochastic Analysis, 1995, 8, 201-208.	0.3	0
232	Controllability of neutral functional evolution integrodifferential systems with infinite delay. Proceedings in Applied Mathematics and Mechanics, 2007, 7, 2030001-2030002.	0.2	0
233	Determination of a source term in a partial differential equation arising in finance. Applicable Analysis, 2009, 88, 131-140.	1.3	0
234	On a Class of Population Dynamics Problem with Mixed Boundary Conditions. Acta Applicandae Mathematicae, 2010, 112, 283-298.	1.0	0

#	ARTICLE	IF	CITATIONS
235	Simultaneous identification of two parameters on the reaction diffusion system from discrete measurement data. Chinese Annals of Mathematics Series B, 2013, 34, 843-854.	0.4	0
236	Constrained controllability of nonlinear neutral fractional integrodifferential systems. Journal of Control and Decision, 2016, , 1-19.	1.6	0
237	Nonlocal Cauchy problem for time varying delay integrodifferential equations of Sobolev type in Banach spaces. Tamkang Journal of Mathematics, 2006, 37, 193-205.	0.3	0
238	Identification of Source Terms in a Coupled Age-structured Population Model with Discontinuous Diffusion Coefficients. AIMS Mathematics, 2017, 2, 81-95.	1.6	0
239	Moderate deviations for stochastic Kuramoto-Sivashinsky equation. Stochastics and Dynamics, 0, , .	1.2	0