

Sachin B Bhalekar

List of Publications by Year in descending order

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48
papers

1,657
citations

361045

20
h-index

288905

40
g-index

50
all docs

50
docs citations

50
times ranked

1033
citing authors

#	ARTICLE	IF	CITATIONS
1	Synchronization in coupled integer and fractional-order maps. Chaos, Solitons and Fractals, 2022, 156, 111795.	2.5	4
2	Stability analysis of fixed point of fractional-order coupled map lattices. Communications in Nonlinear Science and Numerical Simulation, 2022, 113, 106587.	1.7	1
3	ON FRACTIONAL ORDER MAPS AND THEIR SYNCHRONIZATION. Fractals, 2021, 29, 2150150.	1.8	5
4	A Novel Numerical Method for Solving Volterra Integro-Differential Equations. International Journal of Applied and Computational Mathematics, 2020, 6, 1.	0.9	2
5	Nonexistence of invariant manifolds in fractional-order dynamical systems. Nonlinear Dynamics, 2020, 102, 2417-2431.	2.7	2
6	Analysis of solution trajectories of fractional-order systems. Pramana - Journal of Physics, 2020, 94, 1.	0.9	1
7	A Hybrid Function Approach to Solving a Class of Fredholm and Volterra Integro-Differential Equations. Mathematical and Computational Applications, 2020, 25, 30.	0.7	1
8	Analysis of 2-Term Fractional-Order Delay Differential Equations. Trends in Mathematics, 2019, , 59-75.	0.1	0
9	Analysing the stability of a delay differential equation involving two delays. Pramana - Journal of Physics, 2019, 93, 1.	0.9	5
10	Can we split fractional derivative while analyzing fractional differential equations?. Communications in Nonlinear Science and Numerical Simulation, 2019, 76, 12-24.	1.7	13
11	Singular points in the solution trajectories of fractional order dynamical systems. Chaos, 2018, 28, 113123.	1.0	14
12	Dynamics of Fractional Order Complex UÅsar System. Studies in Computational Intelligence, 2017, , 747-771.	0.7	2
13	On Analytical Solution of Ambartsumian Equation. The National Academy of Sciences, India, 2017, 40, 291-293.	0.8	19
14	4. Analytical Solution of Pantograph Equation with Incommensurate Delay. , 2017, , 93-116.		0
15	Series Solution of the Pantograph Equation and Its Properties. Fractal and Fractional, 2017, 1, 16.	1.6	12
16	Hyperchaotic Fractional-Order Systems and Their Applications. Complexity, 2017, 2017, 1-1.	0.9	1
17	Analytical Solution of Pantograph Equation with Incommensurate Delay. ChemistrySelect, 2017, 2, .	0.7	6
18	Stability and bifurcation analysis of a generalized scalar delay differential equation. Chaos, 2016, 26, 084306.	1.0	29

#	ARTICLE	IF	CITATIONS
19	Synchronization of Fractional Chaotic and Hyperchaotic Systems Using an Extended Active Control. Studies in Fuzziness and Soft Computing, 2016, , 53-73.	0.6	1
20	Stability analysis of UÅsar prototype delayed system. Signal, Image and Video Processing, 2016, 10, 777-781.	1.7	1
21	Solving Fractional Delay Differential Equations: A New Approach. Fractional Calculus and Applied Analysis, 2015, 18, 400-418.	1.2	75
22	Chaos in the fractional order nonlinear Bloch equation with delay. Communications in Nonlinear Science and Numerical Simulation, 2015, 25, 41-49.	1.7	82
23	On the UÅsar prototype model with incommensurate delays. Signal, Image and Video Processing, 2014, 8, 635-639.	1.7	4
24	A new predictorâ€“corrector method for fractional differential equations. Applied Mathematics and Computation, 2014, 244, 158-182.	1.4	84
25	Synchronization of incommensurate non-identical fractional order chaotic systems using active control. European Physical Journal: Special Topics, 2014, 223, 1495-1508.	1.2	22
26	Stability analysis of a class of fractional delay differential equations. Pramana - Journal of Physics, 2013, 81, 215-224.	0.9	29
27	Corrigendum to â€œSolving multi-term linear and non-linear diffusion-wave equations of fractional order by Adomian decomposition methodâ€“[Applied Mathematics and Computation 202 (2008) 113â€“120]. Applied Mathematics and Computation, 2013, 219, 8413-8415.	1.4	3
28	Dynamics analysis of fractional order Yu-Wang system. Open Physics, 2013, 11, .	0.8	1
29	Infinite-Scroll Attractor Generated by the Complex Pendulum Model. International Journal of Analysis, 2013, 2013, 1-3.	0.5	0
30	Solving Fractional-Order Logistic Equation Using a New Iterative Method. International Journal of Differential Equations, 2012, 2012, 1-12.	0.3	21
31	Chaos Control and Synchronization in Fractional-Order Lorenz-Like System. International Journal of Differential Equations, 2012, 2012, 1-16.	0.3	3
32	GENERALIZED FRACTIONAL ORDER BLOCH EQUATION WITH EXTENDED DELAY. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2012, 22, 1250071.	0.7	39
33	Transient chaos in fractional Bloch equations. Computers and Mathematics With Applications, 2012, 64, 3367-3376.	1.4	54
34	Dynamical analysis of fractional order UÅsar prototype delayed system. Signal, Image and Video Processing, 2012, 6, 513-519.	1.7	28
35	Dynamics of fractional-ordered Chen system with delay. Pramana - Journal of Physics, 2012, 79, 61-69.	0.9	37
36	Numeric-Analytic Solutions of Dynamical Systems Using a New Iterative Method. Journal of Applied Nonlinear Dynamics, 2012, 1, 141-158.	0.1	3

#	ARTICLE	IF	CITATIONS
37	Fractional Bloch equation with delay. Computers and Mathematics With Applications, 2011, 61, 1355-1365.	1.4	110
38	Convergence of the New Iterative Method. International Journal of Differential Equations, 2011, 2011, 1-10.	0.3	62
39	Antisynchronization of Nonidentical Fractional-Order Chaotic Systems Using Active Control. International Journal of Differential Equations, 2011, 2011, 1-13.	0.3	16
40	Solving evolution equations using a new iterative method. Numerical Methods for Partial Differential Equations, 2010, 26, 906-916.	2.0	27
41	Chaos in fractional ordered Liu system. Computers and Mathematics With Applications, 2010, 59, 1117-1127.	1.4	127
42	Synchronization of different fractional order chaotic systems using active control. Communications in Nonlinear Science and Numerical Simulation, 2010, 15, 3536-3546.	1.7	202
43	Fractional ordered Liu system with time-delay. Communications in Nonlinear Science and Numerical Simulation, 2010, 15, 2178-2191.	1.7	81
44	Solving fractional boundary value problems with Dirichlet boundary conditions using a new iterative method. Computers and Mathematics With Applications, 2010, 59, 1801-1809.	1.4	82
45	Boundary value problems for multi-term fractional differential equations. Journal of Mathematical Analysis and Applications, 2008, 345, 754-765.	0.5	130
46	Solving multi-term linear and non-linear diffusion wave equations of fractional order by Adomian decomposition method. Applied Mathematics and Computation, 2008, 202, 113-120.	1.4	106
47	New iterative method: Application to partial differential equations. Applied Mathematics and Computation, 2008, 203, 778-783.	1.4	85
48	An Iterative method for solving fractional differential equations. Proceedings in Applied Mathematics and Mechanics, 2007, 7, 2050017-2050018.	0.2	14