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1597	Wave field simulation for heterogeneous porous media with singular memory drag force. 2005 , 208, 651-674		50
1596	Numerical methods for multi-term fractional (arbitrary) orders differential equations. 2005 , 160, 683-6	99	73
1595	Analytical solution of the Bagley Torvik equation by Adomian decomposition method. 2005 , 168, 398-4	10	103
1594	Algorithms for the fractional calculus: A selection of numerical methods. 2005 , 194, 743-773		445
1593	Synchronization in fractional-order differential systems. 2005 , 212, 111-125		93
1592	Nonlinear differential equations with fractional damping with applications to the 1dof and 2dof pendulum. 2005 , 176, 169-183		20
1591	Analytical Solution of a Dynamic System Containing Fractional Derivative of Order One-Half by Adomian Decomposition Method. 2005 , 72, 290-295		55
1590	NUMERICAL SOLUTION FOR THE FRACTIONAL REPLICATOR EQUATION. 2005 , 16, 1017-1025		19
1589	A FORMULATION AND A NUMERICAL SCHEME FOR FRACTIONAL OPTIMAL CONTROL PROBLEMS. 2006 , 39, 68-72		19

(2007-2006)

1588	Analytical solution of a fractional diffusion equation by Adomian decomposition method. 2006 , 174, 329-336	74
1587	Approximations of fractional integrals and Caputo fractional derivatives. 2006 , 178, 527-533	93
1586	Analytical approximate solution of nonlinear dynamic system containing fractional derivative by modified decomposition method. 2006 , 182, 544-552	37
1585	Pitfalls in fast numerical solvers for fractional differential equations. 2006 , 186, 482-503	96
1584	An approximate method for numerical solution of fractional differential equations. 2006 , 86, 2602-2610	120
1583	Chaos synchronization of the Chua system with a fractional order. 2006 , 360, 171-185	168
1582	On Fractional Adaptive Control. <i>Nonlinear Dynamics</i> , 2006 , 43, 365-378	187
1581	Fractional calculus in biomechanics: a 3D viscoelastic model using regularized fractional derivative kernels with application to the human calcaneal fat pad. 2006 , 5, 203-15	82
1580	Numerical Scheme for the Solution of Fractional Differential Equations of Order Greater Than One. 2006 , 1, 178-185	16
1579	Design of multidirectional multiscroll chaotic attractors based on fractional differential systems via switching control. 2006 , 16, 043120	61
1578	SCALING ATTRACTORS OF FRACTIONAL DIFFERENTIAL SYSTEMS. 2006 , 14, 303-313	10
1577	GENERATING 3-D SCROLL GRID ATTRACTORS OF FRACTIONAL DIFFERENTIAL SYSTEMS VIA STAIR FUNCTION. 2007 , 17, 3965-3983	16
1576	Generalized synchronization in fractional order systems. 2007 , 75, 056201	36
1575	Design of Multi-Directional Multi-Scroll Chaotic Attractors Based on Fractional Differential Systems. 2007 ,	1
1574	Chaotic dynamics of the fractional Chuall circuit: Time-domain analysis via decomposition method. 2007 ,	O
1573	Unreliability of frequency-domain approximation in recognising chaos in fractional-order systems. 2007 , 1, 171-181	120
1572	Comparison of Five Numerical Schemes for Fractional Differential Equations. 2007 , 43-60	10
1571	Short memory principle and a predictorBorrector approach for fractional differential equations. 2007 , 206, 174-188	164

1570	Numerical approach to differential equations of fractional order. 2007 , 207, 96-110	171
1569	Chaos in a new system with fractional order. 2007 , 31, 1203-1212	49
1568	Remarks on fractional derivatives. 2007 , 187, 777-784	407
1567	On the fractional-order logistic equation. 2007 , 20, 817-823	174
1566	Synchronization of fractional order chaotic systems. 2007 , 363, 426-432	66
1565	Generating multi-directional multi-scroll chaotic attractors via a fractional differential hysteresis system. 2007 , 369, 438-443	53
1564	A necessary condition for double scroll attractor existence in fractional-order systems. 2007 , 367, 102-113	263
1563	Numerical algorithm for the time fractional Fokker B lanck equation. 2007 , 227, 1510-1522	186
1562	Major challenges of IEEE Transactions on Industrial Electronics [My View]. 2007, 1, 35-40	135
1561	Fractional-order relaxation laws in non-linear viscoelasticity. 2007 , 19, 25-36	26
1560	Equilibrium points, stability and numerical solutions of fractional-order predatorprey and rabies models. 2007 , 325, 542-553	409
1559	Chaos in the fractional order unified system and its synchronization. 2008 , 345, 392-401	128
1558	Generalized projective synchronization of a class of fractional-order chaotic systems via a scalar transmitted signal. 2008 , 372, 3963-3970	33
1557	Regular oscillations or chaos in a fractional order system with any effective dimension. <i>Nonlinear Dynamics</i> , 2008 , 54, 213-222	18
1556	Chaotic attractors in incommensurate fractional order systems. 2008, 237, 2628-2637	239
1555	The evolution of chaotic dynamics for fractional unified system. 2008 , 372, 401-407	57
1554	Solving systems of fractional differential equations by homotopy-perturbation method. 2008 , 372, 451-459	90
1553	Chaos control via a simple fractional-order controller. 2008 , 372, 798-807	70

(2008-2008)

1552	Generalized projective synchronization of fractional order chaotic systems. 2008 , 387, 3738-3746	67
1551	Application of homotopy-perturbation method to fractional IVPs. 2008 , 216, 574-584	59
1550	Chaotic dynamics of the fractionally damped van der Pol equation. 2008, 35, 188-198	84
1549	Nonlinear dynamics and chaos in a fractional-order financial system. 2008 , 36, 1305-1314	311
1548	Parametric study of the fractional-order Chenllee system. 2008 , 37, 817-826	24
1547	Numerical treatment of fractional heat equations. 2008, 58, 1212-1223	52
1546	Synchronization of chaotic fractional-order systems via active sliding mode controller. 2008, 387, 57-70	191
1545	Limitations of frequency domain approximation for detecting chaos in fractional order systems. 2008 , 69, 1299-1320	112
1544	A Quadratic Numerical Scheme for Fractional Optimal Control Problems. 2008, 130,	93
1543	A Formulation and Numerical Scheme for Fractional Optimal Control Problems. 2008, 14, 1291-1299	104
1543 1542	A Formulation and Numerical Scheme for Fractional Optimal Control Problems. 2008, 14, 1291-1299 Fractional Optimal Control of a Distributed System Using Eigenfunctions. 2008, 3,	104 37
1542	Fractional Optimal Control of a Distributed System Using Eigenfunctions. 2008, 3,	
1542	Fractional Optimal Control of a Distributed System Using Eigenfunctions. 2008, 3,	
1542 1541	Fractional Optimal Control of a Distributed System Using Eigenfunctions. 2008, 3, . 2008, Using an enhanced homotopy perturbation method in fractional differential equations via	37
1542 1541 1540	Fractional Optimal Control of a Distributed System Using Eigenfunctions. 2008, 3, . 2008, Using an enhanced homotopy perturbation method in fractional differential equations via deforming the linear part. 2008, 56, 3138-3149 Stabilization of Unstable Fixed Points of Chaotic Fractional Order Systems by a State Fractional PI	37 58
1542 1541 1540 1539	Fractional Optimal Control of a Distributed System Using Eigenfunctions. 2008, 3, . 2008, Using an enhanced homotopy perturbation method in fractional differential equations via deforming the linear part. 2008, 56, 3138-3149 Stabilization of Unstable Fixed Points of Chaotic Fractional Order Systems by a State Fractional PI Controller. 2008, 14, 247-257 BIFURCATION AND CHAOS IN THE FRACTIONAL-ORDER CHEN SYSTEM VIA A TIME-DOMAIN	37 58 32
1542 1541 1540 1539 1538	Fractional Optimal Control of a Distributed System Using Eigenfunctions. 2008, 3, .2008, Using an enhanced homotopy perturbation method in fractional differential equations via deforming the linear part. 2008, 56, 3138-3149 Stabilization of Unstable Fixed Points of Chaotic Fractional Order Systems by a State Fractional PI Controller. 2008, 14, 247-257 BIFURCATION AND CHAOS IN THE FRACTIONAL-ORDER CHEN SYSTEM VIA A TIME-DOMAIN APPROACH. 2008, 18, 1845-1863 FRACTIONAL-ORDER CHUA'S CIRCUIT: TIME-DOMAIN ANALYSIS, BIFURCATION, CHAOTIC	37 58 32 65

1534	Chaos Synchronization between Two Different Fractional Systems of Lorenz Family. 2009 , 2009, 1-11		29
1533	Generalized projective synchronization of time-delayed fractional order chaotic systems. 2009,		
1532	Chaos control and synchronization of dynamical model of happiness with fractional order. 2009,		2
1531	Chaos in the fractional-order Lorenz system. 2009 , 86, 1274-1282		40
1530	. 2009,		4
1529	GENERALIZED SYNCHRONIZATION OF FRACTIONAL ORDER HYPERCHAOTIC LORENZ SYSTEM. 2009 , 23, 2167-2178		11
1528	FRACTIONAL-ORDER CHAOS: A NOVEL FOUR-WING ATTRACTOR IN COUPLED LORENZ SYSTEMS. 2009 , 19, 3329-3338		13
1527	Chaos in the Fractional Order Generalized Lorenz Canonical Form. 2009 , 26, 100501		2
1526	Fractional-based approach in neural networks for identification problem. 2009,		2
1525	Asymptotic solution of the van der Pol oscillator with small fractional damping. 2009 , T136, 014033		23
1524	Fractional Optimal Control of Continuum Systems. 2009 , 131,		17
1523	A novel fractional-order hyperchaotic system and its synchronization. 2009 , 18, 2674-2679		8
1522	Application of the enhanced homotopy perturbation method to solve the fractional-order Bagleyllorvik differential equation. 2009 , T136, 014032		10
1521	Numerical algorithm based on Adomian decomposition for fractional differential equations. 2009 , 57, 1672-1681		80
1520	Homotopy analysis method for fractional IVPs. 2009 , 14, 674-684		290
1519	Computational algorithms for computing the fractional derivatives of functions. 2009 , 79, 2013-2020		51
1518	On stability, persistence, and Hopf bifurcation in fractional order dynamical systems. <i>Nonlinear Dynamics</i> , 2009 , 56, 121-126	5	52
1517	Nonlinear dynamics and control of a variable order oscillator with application to the van der Pol equation. <i>Nonlinear Dynamics</i> , 2009 , 56, 145-157	5	7 2

(2009-2009)

1516	Generalized projective synchronization of the fractional-order Chen hyperchaotic system. <i>Nonlinear Dynamics</i> , 2009 , 57, 25-35	5	76
1515	Describing function based methods for predicting chaos in a class of fractional order differential equations. <i>Nonlinear Dynamics</i> , 2009 , 57, 363-373	5	28
1514	Numerical solution of multi-term fractional differential equations. 2009 , 89, 593-608		39
1513	Stability conditions, hyperchaos and control in a novel fractional order hyperchaotic system. 2009 , 373, 2166-2173		84
1512	Synchronization of a new fractional-order hyperchaotic system. 2009 , 373, 2329-2337		80
1511	Synchronization in coupled nonidentical incommensurate fractional-order systems. 2009 , 374, 202-207		30
1510	A fractional-order differential equation model of HIV infection of CD4+ T-cells. 2009 , 50, 386-392		194
1509	A chaotic secure communication scheme using fractional chaotic systems based on an extended fractional Kalman filter. 2009 , 14, 863-879		194
1508	Solving fractional integral equations by the Haar wavelet method. 2009 , 214, 468-478		79
1507	On some explicit Adams multistep methods for fractional differential equations. 2009 , 229, 392-399		46
1506	Fractional-Order Hopfield Neural Networks. 2009 , 883-890		76
1505	HYPERCHAOS IN THE FRACTIONAL-ORDER RESLER SYSTEM WITH LOWEST-ORDER. 2009, 19, 339-347		40
1504	A Novel Fractional-Order Hyperchaotic System and its Synchronization via Feedback Control. 2009,		
1503	Comments on "Stability Analysis of a Class of Nonlinear Fractional-Order Systems. 2009 , 56, 519-520		10
1502	Pinning control of fractional-order weighted complex networks. 2009 , 19, 013112		102
1501	On-Line nonlinear systems identification of coupled tanks via fractional differential neural networks. 2009 ,		8
1500	Nonlinear Dynamics and Chaos in a Fractional-Order HIV Model. 2009 , 2009, 1-12		51
1499	More Details on Analysis of Fractional-order Van der Pol Oscillator. 2009 , 15, 803-819		81

1498	Chaos and Its Synchronization in a Fractional Order Neutral Differential System. 2009,		1
1497	Stability Preservation Analysis for Frequency-Based Methods in Numerical Simulation of Fractional Order Systems. 2009 , 47, 321-338		33
1496	Observer designing for generalized synchronization of fractional order hyper-chaotic L®ystem. 2009 ,		2
1495	A Fractional Model of Labyrinth Chaos and Numerical Analysis. 2010 , 11,		2
1494	A constant enclosure method for validating existence and uniqueness of the solution of an initial value problem for a fractional differential equation. 2010 , 217, 2162-2168		12
1493	Chaos in fractional ordered Liu system. 2010 , 59, 1117-1127		109
1492	Dynamical models of happiness with fractional order. 2010 , 15, 616-628		103
1491	Synchronization of different fractional order chaotic systems using active control. 2010 , 15, 3536-3546		162
1490	A collocation-shooting method for solving fractional boundary value problems. 2010 , 15, 3814-3822		71
1489	Two routes to chaos in the fractional Lorenz system with dimension continuously varying. 2010 , 389, 4140-4148		9
1488	Controlling fractional order chaotic systems based on TakagiBugeno fuzzy model and adaptive adjustment mechanism. 2010 , 375, 125-129		53
1487	Smoothness and stability of the solutions for nonlinear fractional differential equations. 2010 , 72, 1768-1	777	92
1486	Chaotic behavior of a class of discontinuous dynamical systems of fractional-order. <i>Nonlinear Dynamics</i> , 2010 , 60, 525-534		12
1485	A new chaotic system with fractional order and its projective synchronization. <i>Nonlinear Dynamics</i> , 2010 , 61, 407-417		53
1484	Chaos and hybrid projective synchronization of commensurate and incommensurate fractional-order Chen Lee systems. <i>Nonlinear Dynamics</i> , 2010 , 62, 851-858		49
1483	Solving nonlinear fractional partial differential equations using the homotopy analysis method. 2010 , 26, 448-479		433
1482	Generalization of order distribution concept use in the fractional order system identification. 2010 , 90, 2243-2252		8
1481	Explicit and implicit finite difference schemes for fractional Cattaneo equation. 2010 , 229, 7042-7057		42

1480 Chaos generation via a switching fractional multi-model system. 2010 , 11, 332-340	16
1479 Network synchronization in a population of star-coupled fractional nonlinear oscillators. 2010 , 374, 1464	-1468 ₄ 0
1478 Control of a fractional-order economical system via sliding mode. 2010 , 389, 2434-2442	156
Hybrid projective synchronization of chaotic fractional order systems with different dimensions. 2010 , 389, 4981-4988	60
1476 Chaos synchronization for a class of nonlinear oscillators with fractional order. 2010 , 72, 2326-2336	37
1475 Synchronization of N-coupled fractional-order chaotic systems with ring connection. 2010 , 15, 401-412	52
1474 Homotopy analysis method for solving fractional Lorenz system. 2010 , 15, 1864-1872	45
1473 Fractional ordered Liu system with time-delay. 2010 , 15, 2178-2191	70
1472 Fractional-order attractors synthesis via parameter switchings. 2010 , 15, 3745-3753	11
1471 Chaos in fractional conjugate Lorenz system and its scaling attractors. 2010 , 15, 4041-4051	43
Differential versus integral formulation of fractional hyperviscoelastic constitutive laws for brain tissue modelling. 2010 , 234, 2029-2035	9
1469 Analytic study on linear systems of fractional differential equations. 2010 , 59, 1171-1183	89
1468 A new operational matrix for solving fractional-order differential equations. 2010 , 59, 1326-1336	494
Convergence of the variational iteration method for solving multi-order fractional differential equations. 2010 , 60, 2871-2879	50
1466 Can We Obtain a Fractional Lorenz System from a Physical Problem?. 2010 , 27, 124701	
1465 Numerical Solution of Non-linear Riccati Differential Equations with Fractional Order. 2010 , 11,	2
The Use of Fractional B-Splines Wavelets in Multiterms Fractional Ordinary Differential Equations. 2010 , 2010, 1-13	3
1463 A New Scheme to Projective Synchronization of Fractional-Order Chaotic Systems. 2010 , 27, 110501	10

1462	Dynamic analysis of a new chaotic system with fractional order and its generalized projective synchronization. 2010 , 19, 120507	13
1461	Chaos in the Fractional-Order Qi System and Its Synchronization Using Active Control. 2010 ,	1
1460	A new method on synchronization of fractional-order chaotic systems. 2010 ,	О
1459	LAG FULL STATE HYBRID PROJECTIVE SYNCHRONIZATION IN DIFFERENT FRACTIONAL-ORDER CHAOTIC SYSTEMS. 2010 , 24, 6129-6141	5
1458	Fractional Brownian motion and motion governed by the fractional Langevin equation in confined geometries. 2010 , 81, 021103	174
1457	SOLVING TWO-POINT BOUNDARY VALUE PROBLEMS OF FRACTIONAL DIFFERENTIAL EQUATIONS VIA SPLINE COLLOCATION METHODS. 2010 , 01, 117-132	6
1456	Synchronization of Chaotic Fractional-Order WINDMI Systems via Linear State Error Feedback Control. 2010 , 2010, 1-10	10
1455	Parametric identification of fractional-order systems using a fractional Legendre basis. 2010 , 224, 261-274	3
1454	Robust Stabilization of Fractional-Order Systems with Interval Uncertainties via Fractional-Order Controllers. 2010 , 2010, 984601	3
1453	Stabilization of Unstable Fixed Points of Fractional-Order Systems by Fractional-Order Linear Controllers and Its Applications in Suppression of Chaotic Oscillations. 2010 , 132,	6
1452	AN EFFECTIVE METHOD FOR DETECTING CHAOS IN FRACTIONAL-ORDER SYSTEMS. 2010 , 20, 669-678	22
1451	Outer synchronization between two different fractional-order general complex dynamical networks. 2010 , 19, 070511	29
1450	Sliding Mode Control of Fractional-order Hyperchaotic Systems. 2010 ,	3
1449	BIFURCATIONS AND CHAOS IN FRACTIONAL-ORDER SIMPLIFIED LORENZ SYSTEM. 2010 , 20, 1209-1219	76
1448	On linear stability of predictorBorrector algorithms for fractional differential equations. 2010 , 87, 2281-2290	118
1447	A novel approach to detect chaotic and periodic behaviours in fractional-order systems. 2010 ,	0
1446	Investigation on Fractional and Fractal Derivative Relaxation- Oscillation Models. 2010, 11,	26
1445	Simple Fractional Order Model Structures and their Applications in Control System Design. 2010 , 16, 680-694	47

(2011-2010)

Adaptive Synchronization of the Fractional-Order Chaotic Systems with Unknown Parameters. 2010 1444 ,	2
1443 Numerical study on a layered fractional model of drug release. 2010 ,	
1442 Chaos and Bifurcations of the Fractional-order Unified System. 2010 ,	1
1441 A class of fractional dynamic systems with fuzzy order. 2010 ,	4
1440 Control of a Fractional-Order Arneodo System. 2011 , 383-390, 4405-4412	2
Comparison between two different sliding mode controllers for a fractional-order unified chaotic system. 2011 , 20, 100505	14
Notes on the State Space Realizations of Rational Order Transfer Functions. 2011 , 58, 1099-1108	26
1437 Synchronization of the Fractional Order Finance Systems with Activation Feedback Control. 2011 , 119-127	
1436 Synchronization of a Chaotic Fractional oRder Economical System with Active Control. 2011 , 15, 516-520	5
1435 Horseshoe and entropy in a fractional-order unified system. 2011 , 20, 010502	8
1434 Fractional order control model of steel casting process. 2011 ,	3
Maximal Bound for Output Feedback Gain in Stabilization of Fixed Points of Fractional-Order Chaotic Systems. 2011 , 6,	3
1432 Dynamics of fractional-order neural networks. 2011 ,	31
1431 A nonlinear fractional viscoelastic material model for polymers. 2011 , 50, 2938-2949	67
Chaos Synchronization of Uncertain Fractional-Order Chaotic Systems With Time Delay Based on Adaptive Fuzzy Sliding Mode Control. 2011 , 19, 623-635	131
The Synchronization of Fractional Order Chaotic Systems with Different Dimensions through Sliding Mode Control. 2011 ,	
1428 Fractional order chaotic system tracking design based on adaptive hybrid intelligent control. 2011 ,	1
Synchronization of uncertain fractional order chaotic systems via adaptive interval type-2 fuzzy sliding mode control. 2011 ,	9

1426 A Fractional Calculus for Nonlinear Energy Sink Used in Vibration Absorption System. **2011**, 42, 62-67

1425 On Monotonic and Nonmonotonic Step Responses in Fractional Order Systems. 2011 , 58, 447-451	19
HBynchronization of uncertain fractional order chaotic systems: adaptive fuzzy approach. 2011 , 50, 548-56	61
A Chebyshev spectral method based on operational matrix for initial and boundary value problems of fractional order. 2011 , 62, 2364-2373	228
1422 Analytical solution of the linear fractional system of commensurate order. 2011 , 62, 4415-4428	7
Adaptive fuzzy sliding mode control for synchronization of uncertain fractional order chaotic systems. 2011 , 44, 791-801	107
1420 Generation of multi-wing chaotic attractor in fractional order system. 2011 , 44, 845-850	17
An efficient parallel algorithm for the numerical solution of fractional differential equations. 2011 , 14,	60
1418 Fractional boundary value problems: Analysis and numerical methods. 2011 , 14,	61
Initialized fractional differential equations with Riemann-Liouville fractional-order derivative. 2011 , 193, 49-60	23
1416 A Physical experimental study of variable-order fractional integrator and differentiator. 2011 , 193, 93-104	50
A comparative study of constant-order and variable-order fractional models in characterizing memory property of systems. 2011 , 193, 185-192	214
1414 Nested meshes for numerical approximation of space fractional differential equations. 2011 , 193, 221-228	3
Chaos and mixed synchronization of a new fractional-order system with one saddle and two stable node-foci. Nonlinear Dynamics, 2011 , 65, 457-466 5	50
Numerical approximation of a class of discontinuous systems of fractional order. <i>Nonlinear Dynamics</i> , 2011 , 66, 133-139	12
Numerical approximations and solution techniques for the space-time Riesz Ω aputo fractional advection-diffusion equation. 2011 , 56, 383-403	98
Numerical approaches to fractional calculus and fractional ordinary differential equation. 2011 , 230, 3352-3368	141
On Legendre polynomial approximation with the VIM or HAM for numerical treatment of nonlinear fractional differential equations. 2011 , 235, 2956-2968	42

1408	Dynamical analysis of fractional-order modified logistic model. 2011 , 62, 1098-1104	43
1407	Chaos, feedback control and synchronization of a fractional-order modified Autonomous Van der Pol D uffing circuit. 2011 , 16, 975-986	138
1406	Forward residue harmonic balance for autonomous and non-autonomous systems with fractional derivative damping. 2011 , 16, 2169-2183	31
1405	The Legendre wavelet method for solving fractional differential equations. 2011 , 16, 4163-4173	149
1404	Phase and anti-phase synchronization of fractional order chaotic systems via active control. 2011 , 16, 4079-4088	88
1403	Inverse synchronization of coupled fractional-order systems through open-plus-closed-loop control. 2011 , 76, 385-396	3
1402	Modeling anomalous heat transport in geothermal reservoirs via fractional diffusion equations. 2011 , 1, 257-276	52
1401	Chaotic incommensurate fractional order REsler system: active control and synchronization. 2011 , 2011, 15	38
1400	The non-standard finite difference scheme for linear fractional PDEs in fluid mechanics. 2011 , 61, 1209-1216	64
1399	Fractional Bloch equation with delay. 2011 , 61, 1355-1365	84
1399	Fractional Bloch equation with delay. 2011 , 61, 1355-1365 A new analytic solution for fractional chaotic dynamical systems using the differential transform method. 2011 , 61, 2528-2534	31
	A new analytic solution for fractional chaotic dynamical systems using the differential transform	
1398	A new analytic solution for fractional chaotic dynamical systems using the differential transform method. 2011 , 61, 2528-2534 Numerical approximation of nonlinear fractional differential equations with subdiffusion and	31
1398 1397	A new analytic solution for fractional chaotic dynamical systems using the differential transform method. 2011 , 61, 2528-2534 Numerical approximation of nonlinear fractional differential equations with subdiffusion and superdiffusion. 2011 , 62, 855-875 Non-standard finite difference schemes for solving fractional-order RBsler chaotic and	31
1398 1397 1396	A new analytic solution for fractional chaotic dynamical systems using the differential transform method. 2011, 61, 2528-2534 Numerical approximation of nonlinear fractional differential equations with subdiffusion and superdiffusion. 2011, 62, 855-875 Non-standard finite difference schemes for solving fractional-order RBsler chaotic and hyperchaotic systems. 2011, 62, 1068-1074 Analysis of nonlinear dynamics and chaos in a fractional order financial system with time delay.	31 247 23
1398 1397 1396 1395	A new analytic solution for fractional chaotic dynamical systems using the differential transform method. 2011, 61, 2528-2534 Numerical approximation of nonlinear fractional differential equations with subdiffusion and superdiffusion. 2011, 62, 855-875 Non-standard finite difference schemes for solving fractional-order Risler chaotic and hyperchaotic systems. 2011, 62, 1068-1074 Analysis of nonlinear dynamics and chaos in a fractional order financial system with time delay. 2011, 62, 1531-1539 Numerical solution of the high thermal loss problem presented by a fractional differential	31 247 23 199
1398 1397 1396 1395	A new analytic solution for fractional chaotic dynamical systems using the differential transform method. 2011, 61, 2528-2534 Numerical approximation of nonlinear fractional differential equations with subdiffusion and superdiffusion. 2011, 62, 855-875 Non-standard finite difference schemes for solving fractional-order REsler chaotic and hyperchaotic systems. 2011, 62, 1068-1074 Analysis of nonlinear dynamics and chaos in a fractional order financial system with time delay. 2011, 62, 1531-1539 Numerical solution of the high thermal loss problem presented by a fractional differential equation. 2011, 16, 1356-1362 Synchronization of N-coupled incommensurate fractional-order chaotic systems with ring	31 247 23 199

1390	Efficient Chebyshev spectral methods for solving multi-term fractional orders differential equations. 2011 , 35, 5662-5672	176
1389	A fractional order SEIR model with vertical transmission. 2011 , 54, 1-6	122
1388	Efficient method for time-domain simulation of the linear feedback systems containing fractional order controllers. 2011 , 50, 170-6	5
1387	Low-cost numerical algorithm to find the series solution of nonlinear fractional differential equations with delay. 2011 , 3, 227-231	2
1386	Random-order fractional differential equation models. 2011 , 91, 525-530	56
1385	On the fractional signals and systems. 2011 , 91, 350-371	181
1384	Robust outer synchronization between two complex networks with fractional order dynamics. 2011 , 21, 033121	44
1383	The synchronization of fractional-order chaotic systems via sliding mode control. 2011 ,	0
1382	Prediction-control based feedback control of a fractional order unified chaotic system. 2011,	2
1381	Synchronization of Coupled Nonidentical Fractional-Order Hyperchaotic Systems. 2011 , 2011, 1-9	5
1380	Unified Galerkin- and DAE-Based Approximation of Fractional Order Systems. 2011, 6,	3
1379	Synchronization of chaotic fractional-order Moore-Spiegel systems with fully unknown parameters. 2011 ,	
1378	APPROACH OF A CLASS OF DISCONTINUOUS DYNAMICAL SYSTEMS OF FRACTIONAL ORDER: EXISTENCE OF SOLUTIONS. 2011 , 21, 3273-3276	5
1377	Antisynchronization of Nonidentical Fractional-Order Chaotic Systems Using Active Control. 2011 , 2011, 1-13	11
1376	Modified Step Variational Iteration Method for Solving Fractional Biochemical Reaction Model. 2011 , 2011, 1-12	O
1375	Phase and Antiphase Synchronization between 3-Cell CNN and Volta Fractional-Order Chaotic Systems via Active Control. 2012 , 2012, 1-10	О
1374	Numerical Solutions of a Variable-Order Fractional Financial System. 2012 , 2012, 1-14	23
1373	Existence and Uniqueness of Solution for a Class of Nonlinear Fractional Order Differential Equations. 2012 , 2012, 1-14	2

1372	Fully Unknown Parameters. 2012 , 2012, 1-16	4
1371	Moving boundary problems governed by anomalous diffusion. 2012 , 468, 3348-3369	10
1370	Dynamical Behaviors and Chaos in a New Fractional-order Financial System. 2012,	1
1369	Chaos Control and Synchronization in Fractional-Order Lorenz-Like System. 2012 , 2012, 1-16	2
1368	Chaos in a fractional-order micro-electro-mechanical resonator and its suppression. 2012 , 21, 100505	61
1367	A Numerical Scheme for a Class of Parametric Problem of Fractional Variational Calculus. 2012 , 7,	27
1366	Tracking performance and robustness analysis of Hurst estimators for multifractional processes. 2012 , 6, 213	5
1365	Nonlinear dynamics and limit cycle bifurcation of a fractional-order three-node recurrent neural network. 2012 ,	3
1364	Chaos suppression via periodic change of variables in a class of discontinuous dynamical systems of fractional order. <i>Nonlinear Dynamics</i> , 2012 , 70, 815-823	3
1363	Fractional Rayleigh D uffing-like system and its synchronization. <i>Nonlinear Dynamics</i> , 2012 , 70, 1173-1183 ₅	5
1362	On the simplest fractional-order memristor-based chaotic system. <i>Nonlinear Dynamics</i> , 2012 , 70, 1185-1 <u>1</u> 97	110
1361	NONLINEAR STATE OBSERVER DESIGN FOR PROJECTIVE SYNCHRONIZATION OF FRACTIONAL-ORDER PERMANENT MAGNET SYNCHRONOUS MOTOR. 2012 , 26, 1250166	7
1360	A general fractional-order dynamical network: synchronization behavior and state tuning. 2012 , 22, 023102	14
1359	A new Jacobi operational matrix: An application for solving fractional differential equations. 2012 , 36, 4931-4943	214
1358	Chaos and hyperchaos in fractional-order cellular neural networks. 2012 , 94, 13-21	164
1357	Nonlinear dynamics and chaos in fractional-order neural networks. 2012 , 32, 245-56	273
1356	Convergence Analysis of Variational Iteration Method for Caputo Fractional Differential Equations. 2012 , 296-307	1
1355	GENERALIZED FRACTIONAL ORDER BLOCH EQUATION WITH EXTENDED DELAY. 2012 , 22, 1250071	32

1354	Distributed order equations as boundary value problems. 2012 , 64, 2973-2981		47
1353	Transient chaos in fractional Bloch equations. 2012 , 64, 3367-3376		43
1352	Parameter estimation and topology identification of uncertain fractional order complex networks. 2012 , 17, 5158-5171		31
1351	A finite difference method with non-uniform timesteps for fractional diffusion equations. 2012 , 183, 2594-2600		75
1350	Identification of fractional-order systems via a switching differential evolution subject to noise perturbations. 2012 , 376, 3113-3120		17
1349	Dynamics and synchronization analysis of coupled fractional-order nonlinear electromechanical systems. 2012 , 46, 20-25		37
1348	FINITE DIFFERENCE METHODS FOR FRACTIONAL DIFFERENTIAL EQUATIONS. 2012 , 22, 1230014		109
1347	Dynamical analysis of fractional order UBr prototype delayed system. 2012 , 6, 513-519		21
1346	Dynamics of fractional-ordered Chen system with delay. 2012 , 79, 61-69		31
1345	Stability Analysis and Hopf-Type Bifurcation of a Fractional Order Hindmarsh-Rose Neuronal Model. 2012 , 217-224		3
1344	A Color Image Encryption Algorithm Using the Fractional-order Hyperchaotic Systems. 2012,		7
1343	Robust Finite-Time Stabilization of Fractional-Order Chaotic Systems based on Fractional Lyapunov Stability Theory. 2012 , 7,		47
1342	Data fitting using solutions of differential equations: Fractional-order model versus integer-order model. 2012 ,		5
1341	Feedback control and hybrid projective synchronization of a fractional-order Newtonlleipnik system. 2012 , 17, 317-328		23
1340	A novel non-equilibrium fractional-order chaotic system and its complete synchronization by circuit implementation. <i>Nonlinear Dynamics</i> , 2012 , 68, 137-149	5	64
1339	Finite-time chaos control and synchronization of fractional-order nonautonomous chaotic (hyperchaotic) systems using fractional nonsingular terminal sliding mode technique. <i>Nonlinear Dynamics</i> , 2012 , 69, 247-261	5	157
1338	Hopf bifurcation and chaos in fractional-order modified hybrid optical system. <i>Nonlinear Dynamics</i> , 2012 , 69, 275-284	5	73
1337	Generalized synchronization of the fractional-order chaos in weighted complex dynamical networks with nonidentical nodes. <i>Nonlinear Dynamics</i> , 2012 , 69, 667-683	5	54

1336	Synchronization of nonidentical chaotic fractional-order systems with different orders of fractional derivatives. <i>Nonlinear Dynamics</i> , 2012 , 69, 999-1007	22
1335	Adaptive fuzzy H tracking design of SISO uncertain nonlinear fractional order time-delay systems. Nonlinear Dynamics, 2012 , 69, 1639-1650	15
1334	Nonlinear state-observer control for projective synchronization of a fractional-order hyperchaotic system. <i>Nonlinear Dynamics</i> , 2012 , 69, 1929-1939	24
1333	Dynamics analysis and hybrid function projective synchronization of a new chaotic system. Nonlinear Dynamics, 2012 , 69, 1979-1994	9
1332	Master-slave chaos synchronization via optimal fractional order PIDIcontroller with bacterial foraging algorithm. <i>Nonlinear Dynamics</i> , 2012 , 69, 2193-2206	17
1331	Existence of solutions for multi point boundary value problems for fractional differential equations. 2012 , 18, 165-175	9
1330	A method for solving differential equations of fractional order. 2012 , 236, 2754-2762	72
1329	Synchronization of fractional order chaotic systems using active control method. 2012 , 45, 737-752	125
1328	Stabilizing periodic orbits of fractional order chaotic systems via linear feedback theory. 2012 , 36, 863-877	5
1327	A numerical method for solving boundary value problems for fractional differential equations. 2012 , 36, 894-907	85
1326	Chaos in fractional-order Genesiollesi system and its synchronization. 2012 , 17, 731-741	72
1325	The construction of operational matrix of fractional derivatives using B-spline functions. 2012 , 17, 1149-1162	108
1324	Modified projective synchronization of uncertain fractional order hyperchaotic systems. 2012 , 17, 1921-1928	30
1323	Robust stabilization and synchronization of a class of fractional-order chaotic systems via a novel fractional sliding mode controller. 2012 , 17, 2670-2681	122
1322	Solution existence for non-autonomous variable-order fractional differential equations. 2012 , 55, 1106-1117	59
1321	Control of an uncertain fractional order economic system via adaptive sliding mode. 2012 , 83, 83-88	117
1320	Modified generalized projective synchronization of a new fractional-order hyperchaotic system and its application to secure communication. 2012 , 13, 1441-1450	106
1319	Generalized spaceEime fractional diffusion equation with composite fractional time derivative. 2012 , 391, 2527-2542	54

1318	Parameter identification of commensurate fractional-order chaotic system via differential evolution. 2012 , 376, 457-464		53
1317	An inverse Sturm[liouville problem with a fractional derivative. 2012, 231, 4954-4966		21
1316	Optimal Control of a Fractional-Order HIV-Immune System With Memory. 2012 , 20, 763-769		112
1315	Monotone iterative method for a class of nonlinear fractional differential equations. 2012, 15,		39
1314	Four-wing hyperchaotic attractor generated from a new 4D system with one equilibrium and its fractional-order form. <i>Nonlinear Dynamics</i> , 2012 , 67, 1161-1173	5	67
1313	Finding attractors of continuous-time systems by parameter switching. <i>Nonlinear Dynamics</i> , 2012 , 67, 2317-2342	5	18
1312	Parameter identification and synchronization of fractional-order chaotic systems. 2012 , 17, 305-316		75
1311	A Jacobi operational matrix for solving a fuzzy linear fractional differential equation. 2013 , 2013,		59
1310	Responses of Duffing oscillator with fractional damping and random phase. <i>Nonlinear Dynamics</i> , 2013 , 74, 745-753	5	57
1309	Non-standard fractional Lagrangians. <i>Nonlinear Dynamics</i> , 2013 , 74, 381-394	5	38
1308	Chaos detection and parameter identification in fractional-order chaotic systems with delay. <i>Nonlinear Dynamics</i> , 2013 , 73, 439-448	5	46
1307	A novel terminal sliding mode controller for a class of non-autonomous fractional-order systems. <i>Nonlinear Dynamics</i> , 2013 , 73, 679-688	5	70
1306	A fractional calculus based model for the simulation of an outbreak of dengue fever. <i>Nonlinear Dynamics</i> , 2013 , 71, 613-619	5	189
1305	The effect of fractionality nature in differences between computer simulation and experimental results of a chaotic circuit. 2013 , 11,		9
1304	The Nehari Manifold and its Application to a Fractional Boundary Value Problem. 2013 , 21, 323-340		1
1303	Full state hybrid projective synchronization of a novel incommensurate fractional order hyperchaotic system using adaptive mechanism. 2013 , 87, 161-167		14
1302	On the numerical handling of fractional viscoelastic material models in a FE analysis. 2013 , 51, 999-101	2	30
1301	Robust projective outer synchronization of coupled uncertain fractional-order complex networks. 2013 , 11,		2

1300	Maximal perturbation bounds for robust stabilizability of fractional-order systems with norm bounded perturbations. 2013 , 350, 3365-3383	12
1299	Non-fragile control and synchronization of a new fractional order chaotic system. 2013 , 222, 712-721	19
1298	Function Synchronization of the Fractional-Order Chaotic System. 2013 , 631-632, 1220-1225	1
1297	Fractional trajectories: Decorrelation versus friction. 2013 , 392, 5663-5672	8
1296	A high order schema for the numerical solution of the fractional ordinary differential equations. 2013 , 238, 154-168	76
1295	Suppressing chaos in fractional-order systems by periodic perturbations on system variables. 2013 , 86, 1	7
1294	CHAOS AND ADAPTIVE SYNCHRONIZATIONS IN FRACTIONAL-ORDER SYSTEMS. 2013 , 23, 1350175	4
1293	Fractional dynamical model for the generation of ECG like signals from filtered coupled Van-der Pol oscillators. 2013 , 112, 490-507	29
1292	Nonpolynomial collocation approximation of solutions to fractional differential equations. 2013 , 16, 874-891	44
1291	Approximate expressions of a fractional order Van der Pol oscillator by the residue harmonic balance method. 2013 , 89, 1-12	31
1290	Positive solutions for multi-point boundary value problems for nonlinear fractional differential equations. 2013 , 48, 145-157	4
1289	The rich dynamics of fractional-order gyros applying a fractional controller. 2013 , 227, 588-601	29
1288	A novel fractional-order hyperchaotic system stabilization via fractional sliding-mode control. Nonlinear Dynamics, 2013, 74, 721-732 5	40
1287	Fractional-order linear time invariant swarm systems: asymptotic swarm stability and time response analysis. 2013 , 11,	1
1286	Exponential integrators for time f ractional partial differential equations. 2013 , 222, 1915-1927	16
1285	Nonstandard finite difference schemes for a fractional-order Brusselator system. 2013 , 2013,	14
1284	Chaos synchronization in fractional differential systems. 2013 , 371, 20120155	44
1283	On type number concept in fractional-order systems. 2013 , 49, 301-304	17

1282	Chaos Synchronization with a Fractional Order Controller and Swarm Intelligence. 2013 , 275-295	1
1281	Chaos in the fractional-order complex Lorenz system and its synchronization. <i>Nonlinear Dynamics</i> , 2013 , 71, 241-257	102
1280	Modeling the gentle bouncing of a drop with quasi-static thin film equations. 2013 , 104, 361-373	5
1279	Dynamics analysis of fractional order Yu-Wang system. 2013 , 11,	1
1278	Force Control of an Electrohydraulic Actuator Using a Fractional-Order Controller. 2013, 15, 764-772	11
1277	Numerical approximations of fractional derivatives with applications. 2013 , 15, 698-712	48
1276	Fractional order sliding mode controller design for antilock braking systems. 2013 , 111, 122-130	86
1275	Error estimate in fractional differential equations using multiquadratic radial basis functions. 2013 , 245, 133-147	17
1274	Q-S synchronization of the fractional-order unified system. 2013 , 80, 449-461	14
1273	Numerical solution of fractional integro-differential equations by a hybrid collocation method. 2013 , 219, 6750-6760	58
1272	Chebyshev operational matrix method for solving multi-order fractional ordinary differential equations. 2013 , 37, 8903-8911	29
1271	Variational iteration method for the Burgers[flow with fractional derivatives]New Lagrange multipliers. 2013 , 37, 6183-6190	103
1270	LMI-based stabilization of a class of fractional-order chaotic systems. <i>Nonlinear Dynamics</i> , 2013 , 72, 301-399	63
1269	Moving finite element methods for time fractional partial differential equations. 2013 , 56, 1287-1300	39
1268	Observer-based synchronization in fractional-order leader f ollower complex networks. <i>Nonlinear Dynamics</i> , 2013 , 73, 921-929	10
1267	IMPLEMENTATION OF THE FRACTIONAL-ORDER CHEN[IEE SYSTEM BY ELECTRONIC CIRCUIT. 2013 , 23, 1350030	21
1266	Control of a novel chaotic fractional order system using a state feedback technique. 2013 , 23, 755-763	17
1265	Absorbing boundary conditions for the fractional wave equation. 2013 , 219, 9810-9820	6

1264	CHAOS GENERATED FROM THE FRACTIONAL-ORDER COMPLEX CHEN SYSTEM AND ITS APPLICATION TO DIGITAL SECURE COMMUNICATION. 2013 , 24, 1350025	50	
1263	No-chatter variable structure control for fractional nonlinear complex systems. <i>Nonlinear Dynamics</i> , 2013 , 73, 2329-2342	33	
1262	Spread spectrum communication and its circuit implementation using fractional-order chaotic system via a single driving variable. 2013 , 18, 341-350	11	
1261	Comment on P arameter identification and synchronization of fractional-order chaotic systems [Commun Nonlinear Sci Numer Simulat 2012;17:305 [a]. 2013 , 18, 811-814	16	
1260	On chaos control and synchronization of the commensurate fractional order Liu system. 2013 , 18, 1193-1202	91	
1259	Interval state observer design for fractional systems. 2013,	1	
1258	Sliding mode synchronization of chaotic and hyperchaotic systems with mismatched fractional derivatives. 2013 , 35, 713-719	15	
1257	Modified generalized projective synchronization of fractional-order chaotic L®ystems. 2013, 2013,	3	
1256	Complex dynamical behavior and chaos control in fractional-order Lorenz-like systems. 2013, 22, 040503	26	
1255	A Spectral Deferred Correction Method for Fractional Differential Equations. 2013 , 2013, 1-6	3	
1254	Harmonic Balance Method for Chaotic Dynamics in Fractional-Order R\sler Toroidal System. 2013 , 2013, 1-6	1	
1253	Identification of Unknown Parameters and Orders via Cuckoo Search Oriented Statistically by Differential Evolution for Noncommensurate Fractional-Order Chaotic Systems. 2013 , 2013, 1-19	8	
1252	Robust Synchronization of Incommensurate Fractional-Order Chaotic Systems via Second-Order Sliding Mode Technique. 2013 , 2013, 1-11	5	
1251	Adaptive - Synchronization of Fractional-Order Chaotic Systems with Nonidentical Structures. 2013 , 2013, 1-8	2	
1250	Elegant Chaos in Fractional-Order System without Equilibria. 2013 , 2013, 1-7	24	
1249	0-1 Test for Chaos in a Fractional Order Financial System with Investment Incentive. 2013 , 2013, 1-10	17	
1248	Numerical Modeling of Fractional-Order Biological Systems. 2013 , 2013, 1-11	83	
1247	Chebyshev Wavelet Finite Difference Method: A New Approach for Solving Initial and Boundary Value Problems of Fractional Order. 2013 , 2013, 1-15	2	

1246	FRACTIONAL TIME SCALE IN CALCIUM ION CHANNELS MODEL. 2013 , 06, 1350023	3
1245	Synchronization of complex dynamical networks under time delays with occurrence probabilities. 2013 , 35, 437-443	7
1244	Hybrid Projective Synchronization of Fractional-Order Chaotic Systems with Time Delay. 2013 , 2013, 1-8	4
1243	Synchronization of an Uncertain Fractional-Order Chaotic System via Backstepping Sliding Mode Control. 2013 , 2013, 1-6	15
1242	Modified Function Projective Synchronization of Fractional Order Chaotic Systems with Different Dimensions. 2013 , 2013, 1-7	4
1241	A Numerical Method for Delayed Fractional-Order Differential Equations. 2013 , 2013, 1-7	49
1240	Cubic Spline Collocation Method for Fractional Differential Equations. 2013 , 2013, 1-20	2
1239	Transient aging in fractional Brownian and Langevin-equation motion. 2013 , 88, 062124	32
1238	Pseudo-recursive Trapezoidal Rule for the Numerical Solution of Linear Fractional Differential Equations * *The work of A. Pisano, D. Nessi and R. Garrappa has been supported by the Italian Ministry of University and Research (MIUR) under project Non integer order systems in modelling and control Grant no. 2009 F4NZJP. A. Pisano also acknowledges funding from the European	
1237	Linion Seventh Framework Programme (FP7/2007-2013) Network of excellence Chaotic Synchronization of Fractional Piecewise Linear System by Fractional Order SMC. 2013 , 46, 474-479 ETYCON2-Highly-complex and networked control systems under gra. 2013 , 46, 641-646	2
1236	Fractional-order Chual system: discretization, bifurcation and chaos. 2013, 2013,	44
1235	A Modified Multi-Step Differential Transform Method for Solving Fractional Dynamic Systems. 2013 , 8,	4
1234	The Proposed Modified Liu System with Fractional Order. 2013, 2013, 1-6	19
1233	Nonlinear Dynamics and Chaos in Fractional-Order Hopfield Neural Networks with Delay. 2013 , 2013, 1-9	8
1232	Synchronization of Uncertain Fractional-Order Hyperchaotic Systems via Unidirectional Linear Error Feedback Coupling Scheme. 2013 , 2013, 1-6	1
1231	Analysis of a fractional-order couple model with acceleration in feelings. 2013 , 2013, 730736	1
1230	The Dynamics and Synchronization of a Fractional-Order System with Complex Variables. 2014 , 2014, 1-8	1
1229	Analytical Solutions of Fractional Differential Equations Using the Convenient Adomian Series. 2014 , 2014, 1-4	1

1228 Function p	projective lag synchronization of fractional-order chaotic systems. 2014 , 23, 040502	12
1227 On fractio	nal differential systems of 3D Maxwell B loch type. 2014 , 11, 1450028	
1226 Applicatio	ns of fractional constitutive models for finite deformation to viscoelastic materials. 2014,	О
1225 Anti-Synch	nronization Control of the Complex Lu System. 2014 , 721, 269-272	
Chaotic sy orders. 20	nchronization between fractional-order financial system and financial system of integer 14 ,	2
1223 Synchroniz	zation of piecewise continuous systems of fractional order. <i>Nonlinear Dynamics</i> , 2014 , 78, 2065 , 208	34 9
1222 A novel me	emristor-based chaotic system with fractional order. 2014 ,	
1221 The predic	ctor-corrector solution for fractional order differential algebraic equation. 2014,	Ο
1220 A New Fra	ctional-Order Chaotic Complex System and Its Antisynchronization. 2014, 2014, 1-12	14
	Projective Outer Synchronization between Two Fractional Order Complex Networks via Control. 2014 , 2014, 1-8	1
1218 On Fractio	onal SIRC Model withSalmonellaBacterial Infection. 2014 , 2014, 1-9	37
1217 Hopf Bifur	rcations of a Stochastic Fractional-Order Van der Pol System. 2014 , 2014, 1-10	2
1216 On Fractio	onal Order Dengue Epidemic Model. 2014 , 2014, 1-6	33
1215 Identificat	ion of interactions in fractional-order systems with high dimensions. 2014 , 24, 023119	3
1214 Dynamic A	Analysis and Chaos of the 4D Fractional-Order Power System. 2014 , 2014, 1-8	2
	Projective Synchronization between Different Fractional-Order Systems Based on s-Closed-Loop Control and Its Application in Image Encryption. 2014 , 2014, 1-10	3
1212 Adaptive s	synchronization of fractional-order general complex dynamical networks. 2014,	1
1211 A Fraction	al-Order Hyperchaotic System and its Circuit Implement. 2014 , 701-702, 1143-1147	

1 21 0	Robust Control of a Class of Uncertain Fractional-Order Chaotic Systems with Input Nonlinearity via an Adaptive Sliding Mode Technique. 2014 , 16, 729-746		16
1209	Complex Modified Hybrid Projective Synchronization of Different Dimensional Fractional-Order Complex Chaos and Real Hyper-Chaos. 2014 , 16, 6195-6211		21
1208	Comparison of analytical and numerical models for anomalous diffusion in the Bloch-Torrey equation. 2014 ,		
1207	Fractional derivative models of viscoelastic materials for large extension. 2014,		
1206	Response of Fractional Oscillators With Viscoelastic Term Under Random Excitation. 2014, 9,		35
1205	Toward Searching Possible Oscillatory Region in Order Space for Nonlinear Fractional-Order Systems. 2014 , 9,		8
1204	Current feedback operational amplifier (CFOA) based fractional order oscillators. 2014,		3
1203	Adaptive sliding mode control of a class of fractional-order chaotic systems with nonlinear input. 2014 ,		
1202	Bifurcation control of an incommensurate fractional-order Van der Pol oscillator. 2014,		O
1201	. 2014,		
1201 1200	. 2014, Synchronization of Different Fractional Order Time-Delay Chaotic Systems Using Active Control. 2014, 2014, 1-11		10
	Synchronization of Different Fractional Order Time-Delay Chaotic Systems Using Active Control.		10
1200	Synchronization of Different Fractional Order Time-Delay Chaotic Systems Using Active Control. 2014 , 2014, 1-11 On some generalizations of the implicit Euler method for discontinuous fractional differential		
1200 1199	Synchronization of Different Fractional Order Time-Delay Chaotic Systems Using Active Control. 2014 , 2014, 1-11 On some generalizations of the implicit Euler method for discontinuous fractional differential equations. 2014 , 95, 213-228 Numerical solution of fractional differential equations with a Tau method based on Legendre and		18
1200 1199 1198	Synchronization of Different Fractional Order Time-Delay Chaotic Systems Using Active Control. 2014, 2014, 1-11 On some generalizations of the implicit Euler method for discontinuous fractional differential equations. 2014, 95, 213-228 Numerical solution of fractional differential equations with a Tau method based on Legendre and Bernstein polynomials. 2014, 37, 329-342		18
1200 1199 1198	Synchronization of Different Fractional Order Time-Delay Chaotic Systems Using Active Control. 2014, 2014, 1-11 On some generalizations of the implicit Euler method for discontinuous fractional differential equations. 2014, 95, 213-228 Numerical solution of fractional differential equations with a Tau method based on Legendre and Bernstein polynomials. 2014, 37, 329-342 Chaotic dynamics of the fractional order nonlinear system with time delay. 2014, 8, 65-70	5	18 44 8
1200 1199 1198 1197 1196	Synchronization of Different Fractional Order Time-Delay Chaotic Systems Using Active Control. 2014, 2014, 1-11 On some generalizations of the implicit Euler method for discontinuous fractional differential equations. 2014, 95, 213-228 Numerical solution of fractional differential equations with a Tau method based on Legendre and Bernstein polynomials. 2014, 37, 329-342 Chaotic dynamics of the fractional order nonlinear system with time delay. 2014, 8, 65-70 Linear estimator for fractional systems. 2014, 8, 389-396 Bursting generation mechanism in a three-dimensional autonomous system, chaos control, and	5	18 44 8

1192	Hyperchaos synchronization of fractional-order arbitrary dimensional dynamical systems via modified sliding mode control. <i>Nonlinear Dynamics</i> , 2014 , 76, 2059-2071	5	39	
1191	Dynamic behavior analysis of fractional-order Hindmarsh-Rose neuronal model. 2014 , 8, 167-75		54	
1190	Higher order numerical methods for solving fractional differential equations. 2014 , 54, 555-584		59	
1189	On a discretization process of fractional-order Logistic differential equation. 2014 , 22, 407-412		36	
1188	Global fractional-order projective dynamical systems. 2014 , 19, 2811-2819		12	
1187	Fractional-order complex T system: bifurcations, chaos control, and synchronization. <i>Nonlinear Dynamics</i> , 2014 , 75, 589-602	5	42	
1186	Robust stability and stabilization of fractional order linear systems with positive real uncertainty. 2014 , 53, 199-209		37	
1185	Chaos in a new fractional-order system without equilibrium points. 2014 , 19, 2919-2927		51	
1184	RETRACTED: The general (vector) solutions of such linear (coupled) matrix fractional differential equations by using Kronecker structures. 2014 , 232, 498-510		9	
1183	Achieving synchronization between the fractional-order hyperchaotic Novel and Chen systems via a new nonlinear control technique. 2014 , 29, 30-35		46	
1182	Jacobian-predictor-corrector approach for fractional differential equations. 2014 , 40, 137-165		31	
1181	Dynamical analysis of the IrvingMullineux oscillator equation of fractional order. 2014 , 102, 171-176		13	
1180	Three-dimensional chaotic autonomous system with only one stable equilibrium: Analysis, circuit design, parameter estimation, control, synchronization and its fractional-order form. 2014 , 129, 1		131	
1179	A fractional diffusion-wave equation with non-local regularization for image denoising. 2014 , 103, 6-15		17	
1178	Dynamics of fractional-order sinusoidally forced simplified Lorenz system and its synchronization. 2014 , 223, 1591-1600		28	
1177	A second-order numerical method for two-dimensional two-sided space fractional convection diffusion equation. 2014 , 38, 3244-3259		47	
1176	Nonlinear thermomechanical finite-element modeling, analysis and characterization of multi-turn oscillating heat pipes. 2014 , 69, 424-437		26	
1175	Maximum principle and numerical method for the multi-term timeBpace RieszCaputo fractional differential equations. 2014 , 227, 531-540		44	

1174	Robust stability bounds of uncertain fractional-order systems. 2014 , 17,	13
1173	Type-2 fuzzy fractional derivatives. 2014 , 19, 2354-2372	78
1172	FTFBE: A numerical approximation for fuzzy time-fractional Bloch equation. 2014,	11
1171	A New Numerical Scheme for the Space Fractional Diffusion Equation. 2014 , 599-601, 1305-1308	1
1170	Control of a novel fractional hyperchaotic system using a located control method. 2014 , 63, 1219-1233	1
1169	Quasi-static transient and mixed mode oscillations induced by fractional derivatives effect on the slow flow near folded singularity. <i>Nonlinear Dynamics</i> , 2014 , 78, 2717-2729	6
1168	Robust stabilization of fractional-order chaotic systems with linear controllers: LMI-based sufficient conditions. 2014 , 20, 1042-1051	20
1167	Performance modeling of serial and parallel implementations of the fractional Adams-Bashforth-Moulton method. 2014 , 17,	5
1166	Fractional-Order Tension Control Law for Deployment of Space Tether System. 2014 , 37, 2057-2062	65
1165	A new predictordorrector method for fractional differential equations. 2014 , 244, 158-182	63
1164	A fractional calculus approach to the dynamic optimization of biological reactive systems. Part I: Fractional models for biological reactions. 2014 , 117, 217-228	71
1163	A method for obtaining the operational matrix of fractional Jacobi functions and applications. 2014 , 20, 736-748	27
1162	A fractional calculus approach to the dynamic optimization of biological reactive systems. Part II: Numerical solution of fractional optimal control problems. 2014 , 117, 239-247	18
1161	Approximation of the ErdlyiKober Operator with Application to the Time-Fractional Porous Medium Equation. 2014 , 74, 1219-1237	28
1160	Finite-time stabilization of fractional-order systems with model uncertainties and external disturbances. 2014 ,	
1159	Inversion mechanism with functional extrema model for identification incommensurate and hyper fractional chaos via differential evolution. 2014 , 41, 1915-1927	17
1158	Identification time-delayed fractional order chaos with functional extrema model via differential evolution. 2014 , 41, 1601-1608	29
1157	Adaptive synchronization of drive-response fractional-order complex dynamical networks with uncertain parameters. 2014 , 19, 1496-1506	63

	opf bifurcation analysis of a new commensurate fractional-order hyperchaotic system. <i>Nonlinear</i> ynamics, 2014 , 78, 279-288	57
1155 Ft	unction Projective Synchronization in Complex Dynamical Networks. 2014 , 926-930, 1939-1942	1
1154 0	ptimization of Fractional Order Dynamic Chemical Processing Systems. 2014 , 53, 5110-5127	39
	ynchronization of incommensurate non-identical fractional order chaotic systems using active ontrol. 2014 , 223, 1495-1508	19
1152 Ei	genvalue asymptotics for a fractional boundary-value problem. 2014 , 241, 125-128	5
イイドイ	onlinear aeroelastic analysis of an airfoil-store system with a freeplay by precise integration ethod. 2014 , 46, 149-164	24
11 FO	ractional calculus model of GATA-switching for regulating the differentiation of a hematopoietic rem cell. 2014 , 2014,	2
1149 D	iscretization of forced Duffing system with fractional-order damping. 2014 , 2014,	14
	n approximate analytical solution of fractional 2D Navier-Stokes equation using omotopy-perturbation method. 2015 ,	
	omplex modified generalized projective synchronization of fractional-order complex chaos and eal chaos. 2015 , 2015,	10
1146 C	ontinuous Approximations of a Class of Piecewise Continuous Systems. 2015 , 25, 1550146	5
	iteger and Fractional GeneralT-System and Its Application to Control Chaos and Synchronization. 015 , 2015, 1-14	
	iding-Mode Synchronization Control for Uncertain Fractional-Order Chaotic Systems with Time elay. 2015 , 17, 4202-4214	34
	eneralized Combination Complex Synchronization for Fractional-Order Chaotic Complex Systems. 015 , 17, 5199-5217	15
1142 A	New GrBwald-Letnikov Derivative Derived from a Second-Order Scheme. 2015 , 2015, 1-9	8
	obust Nonfragile Controllers Design for Fractional Order Large-Scale Uncertain Systems with a ommensurate Order1. 2015 , 2015, 1-11	O
	eneralized Taylor Series Method for Solving Nonlinear Fractional Differential Equations with lodified Riemann-Liouville Derivative. 2015 , 2015, 1-10	2
	omputational Challenge of Fractional Differential Equations and the Potential Solutions: A Survey. 015 , 2015, 1-13	14

1138	Numerical solution of multi-order fractional differential equations using generalized triangular function operational matrices. 2015 , 263, 189-203		13
1137	Undamped Oscillations Generated by Hopf Bifurcations in Fractional-Order Recurrent Neural Networks With Caputo Derivative. 2015 , 26, 3201-14		80
1136	Solving Fractional Delay Differential Equations: A New Approach. 2015 , 18, 400-418		54
1135	Synchronization of fractional-order chaotic systems using unidirectional adaptive full-state linear error feedback coupling. <i>Nonlinear Dynamics</i> , 2015 , 82, 185-199	5	17
1134	Non-diminishing relative error of the predictorBorrector algorithm for certain fractional differential equations. 2015 , 117, 10-19		4
1133	Pinning synchronization of fractional-order complex networks with Lipschitz-type nonlinear dynamics. 2015 , 57, 111-6		18
1132	Fractional Diffusion on Bounded Domains. 2015 , 18, 342-360		67
1131	Dissipativity and Stability Analysis for Fractional Functional Differential Equations. 2015 , 18, 1399-1422		27
1130	A Convergent Algorithm for Solving Higher-Order Nonlinear Fractional Boundary Value Problems. 2015 , 18, 1423-1440		37
1129	A fractional multistep method for solving a class of linear fractional differential equations under uncertainty. 2015 ,		
1128	A novel adaptive-impulsive synchronization of fractional-order chaotic systems. 2015 , 24, 100502		13
1127	A fractional-order model for MINMOD Millennium. 2015 , 262, 36-45		14
1126	Stationary response of nonlinear system with Caputo-type fractional derivative damping under Gaussian white noise excitation. <i>Nonlinear Dynamics</i> , 2015 , 79, 139-146	5	21
1125	Fractional-order delayed predatorprey systems with Holling type-II functional response. <i>Nonlinear Dynamics</i> , 2015 , 80, 777-789	5	96
1124	Chaos in the fractional order nonlinear Bloch equation with delay. 2015 , 25, 41-49		59
1123	A generic model for a single strain mosquito-transmitted disease with memory on the host and the vector. 2015 , 263, 18-36		50
1122	Comments on Chaotic Characteristics Analysis and Circuit Implementation for a Fractional-Order System 2015 , 62, 329-332		4
1121	Diffusion in heterogeneous media: An iterative scheme for finding approximate solutions to fractional differential equations with time-dependent coefficients. 2015 , 293, 297-311		13

1120	Analytic study on linear neutral fractional differential equations. 2015 , 257, 295-307		12
1119	Mittag[leffler stability and generalized Mittag[leffler stability of fractional-order gene regulatory networks. 2015 , 160, 185-190		79
1118	Bifurcation Analysis of Fractional Order Single Cell with Delay. 2015 , 25, 1550020		12
1117	Local discontinuous Galerkin methods for fractional ordinary differential equations. 2015 , 55, 967-985		34
1116	Dynamic behaviours and control of fractional-order memristor-based system. 2015 , 85, 91-104		11
1115	Efficient algorithms for solving the fractional ordinary differential equations. 2015 , 269, 196-216		4
1114	Suppressing chaos for a class of fractional-order chaotic systems by adaptive integer-order and fractional-order feedback control. 2015 , 126, 2965-2973		7
1113	Design and real time implementation of fuzzy switched controller for single phase active power filter. 2015 , 58, 614-21		20
1112	Large amplitude vibration of fractionally damped viscoelastic CNTs/fiber/polymer multiscale composite beams. 2015 , 131, 1111-1123		71
1111	A new piecewise linear Chen system of fractional-order: Numerical approximation of stable attractors. 2015 , 24, 060507		5
1110	Lyapunov method for nonlinear fractional differential systems with delay. <i>Nonlinear Dynamics</i> , 2015 , 82, 1015-1025	5	42
1109	Parameters Estimation of Uncertain Fractional-Order Chaotic Systems via a Modified Artificial Bee Colony Algorithm. 2015 , 17, 692-709		10
1108	A hybrid artificial bee colony algorithm for parameter identification of uncertain fractional-order chaotic systems. <i>Nonlinear Dynamics</i> , 2015 , 82, 1441-1456	5	27
1107	Time-Splitting Schemes for Fractional Differential Equations I: Smooth Solutions. 2015 , 37, A1752-A1776		17
1106	A Jacobi Gauss Dobatto and Gauss Radau collocation algorithm for solving fractional Fokker Planck equations. <i>Nonlinear Dynamics</i> , 2015 , 82, 1431-1440	5	23
1105	Stochastic response of a class of self-excited systems with Caputo-type fractional derivative driven by Gaussian white noise. 2015 , 77, 190-204		32
1104	Numerical Solutions of Fractional Differential Equations by Extrapolation. 2015, 299-306		6
1103	A review of operational matrices and spectral techniques for fractional calculus. <i>Nonlinear Dynamics</i> , 2015 , 81, 1023-1052	5	135

1102	Generalized differential transform method for nonlinear boundary value problem of fractional order. 2015 , 29, 88-101	26
1101	Intelligent Chaos Synchronization of Fractional Order Systems via Mean-Based Slide Mode Controller. 2015 , 17, 144-157	10
1100	A new fractional-order hyperchaotic system and its modified projective synchronization. 2015 , 76, 190-204	22
1099	High-order algorithms for Riesz derivative and their applications (II). 2015 , 293, 218-237	80
1098	Lyapunov exponents of a class of piecewise continuous systems of fractional order. <i>Nonlinear Dynamics</i> , 2015 , 81, 227-237	32
1097	On a multidimensional moving boundary problem governed by anomalous diffusion: analytical and numerical study. 2015 , 22, 543-577	3
1096	A Novel High Order Space-Time Spectral Method for the Time Fractional FokkerPlanck Equation. 2015 , 37, A701-A724	126
1095	Dynamical behavior of fractional-order Hastings P owell food chain model and its discretization. 2015 , 27, 153-167	74
1094	Lag projective synchronization of two chaotic systems with different fractional orders. 2015 , 66, 1192-1199	7
1093	Dynamic analysis and modeling of a novel fractional-order hydro-turbine-generator unit. <i>Nonlinear Dynamics</i> , 2015 , 81, 1263-1274	123
1092	Nonlinear dynamics of fractional order Duffing system. 2015 , 81, 111-116	25
1091	Fractional order direct current control algorithm for three-phase grid-connected PV system. 2015 ,	4
1090	Adaptive function projective combination synchronization of three different fractional-order chaotic systems. 2015 , 126, 5346-5349	36
1089	Stabilisation of unknown fractional-order chaotic systems: an adaptive switching control strategy with application to power systems. 2015 , 9, 1883-1893	39
1088	On the numerical solutions of some fractional ordinary differential equations by fractional Adams-Bashforth-Moulton method. 2015 , 13,	78
1087	Fractional-order systems without equilibria: The first example of hyperchaos and its application to synchronization. 2015 , 24, 080502	43
1086	Fuzzy prediction-based feedback control of fractional order chaotic systems. 2015 , 126, 5645-5649	14
1085	Fuzzy adaptive synchronization of a class of fractional-order chaotic systems. 2015 ,	4

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1083 Stability analysis of fractiona	al-order complex-valued neural networks with time delays. 2015 , 78, 297-316	79
Complex dynamical behavior hyper-chaotic complex L®yst	r and modified projective synchronization in fractional-order tem. 2015 , 78, 267-276	15
1081 . 2015 ,		1
1080 Block implicit Adams method	ds for fractional differential equations. 2015 , 81, 365-377	6
1079 Suppressing chaos in discont	tinuous systems of fractional order by active control. 2015 , 257, 89-102	16
1078 Dissipativity and contractivit	cy for fractional-order systems. <i>Nonlinear Dynamics</i> , 2015 , 80, 287-294	21
Adaptive sliding-mode contr disturbances. <i>Nonlinear Dyna</i>	rol for fractional-order uncertain linear systems with nonlinear amics, 2015 , 80, 51-58	76
An efficient computational in using ANN and SQP. 2015 , 39	ntelligence approach for solving fractional order Riccati equations 9, 3075-3093	91
	system with asymmetrically distributed equilibria: Mechanism, and fractional derivation effect. 2015 , 71, 29-40	39
Asynchronous error-correction chaotic system. 2015 , 26, 155	ng secure communication scheme based on fractional-order shifting 50065	6
Tensor Product Model Trans Fractional-Order Chaotic Sys	formation Based Control and Synchronization of a Class of stems. 2015 , 17, 371-380	27
1072 Numerical solution of stocha	astic fractional differential equations. 2015 , 68, 81-93	40
Multi-objective active contro 1071 order chaotic financial system	ol policy design for commensurate and incommensurate fractional ms. 2015 , 39, 500-514	29
1070 Fractional modeling and con	trol of a complex nonlinear energy supply-demand system. 2015 , 20, 74-86	37
Existence and uniform stabil time delays. 2015 , 26, 84-97	lity analysis of fractional-order complex-valued neural networks with	181
1068 A nonpolynomial collocation	n method for fractional terminal value problems. 2015 , 275, 392-402	21
Increasing the efficiency of s 1067, 293, 135-141	shooting methods for terminal value problems of fractional order. 2015	8

1066	Finite-time stability analysis of fractional-order neural networks with delay. 2015 , 152, 19-26	107
1065	Bifurcation Control Of A Fractional-Order Van Der Pol Oscillator Based On The State Feedback. 2015 , 17, 1756-1766	20
1064	Switching adaptive controllers to control fractional-order complex systems with unknown structure and input nonlinearities. 2015 , 21, 211-223	35
1063	Finite-time stability of fractional delayed neural networks. 2015 , 149, 700-707	81
1062	Chaos in fractional and integer order NSG systems. 2015 , 107, 302-311	13
1061	Synchronization and stabilization of fractional second-order nonlinear complex systems. <i>Nonlinear Dynamics</i> , 2015 , 80, 1731-1744	25
1060	Solving Fractional Dynamical System with Freeplay by Combining Memory-Free Approach and Precise Integration Method. 2016 , 2016, 1-7	
1059	On the Existence and Uniqueness for High Order Fuzzy Fractional Differential Equations with Uncertainty. 2016 , 2016, 1-9	5
1058	Control of non-integer-order dynamical systems using sliding mode scheme. 2016 , 21, 224-233	14
1057	Parrondol paradox for chaos control and anticontrol of fractional-order systems. 2016 , 25, 010505	13
1056	A viscoelastic model for describing the response of biological fibers. 2016 , 227, 3367-3380	3
1055	Two-port two impedances fractional order oscillators. 2016 , 55, 40-52	41
1054	Optimal synchronization of two different in-commensurate fractional-order chaotic systems with fractional cost function. 2016 , 21, 401-416	23
1053	Chaotic synchronization and parameter identification of fractional-order Unified Systems. 2016,	
1052	Stochastic responses of Van der Pol vibro-impact system with fractional derivative damping excited by Gaussian white noise. 2016 , 26, 033110	3
1051	A Linear Matrix Inequality Approach to Output Feedback Control of Fractional-Order Unified Chaotic Systems With One Control Input. 2016 , 11,	9
1050	Adaptive Modified Hybrid Robust Projective Synchronization Between Identical and Nonidentical Fractional-Order Complex Chaotic Systems With Fully Unknown Parameters. 2016 , 11,	5
1049	Synchronization of uncertain fractional-order chaotic systems via the fractional-order sliding mode controller. 2016 ,	1

1048	Stochastic response of van der Pol oscillator with two kinds of fractional derivatives under Gaussian white noise excitation. 2016 , 25, 020201	1
1047	Legendre wavelet operational matrix of fractional derivative through wavelet-polynomial transformation and its applications on non-linear system of fractional order differential equations. 2016 ,	
1046	Stability and Hopf bifurcation analysis for the hypothalamic-pituitary-adrenal axis model with memory. 2018 , 35, 49-78	7
1045	Dynamical Analysis and Circuit Simulation of a New Fractional-Order Hyperchaotic System and Its Discretization. 2016 , 26, 1650222	35
1044	Output Tracking of Nonholonomic Mobile Robots with a Model-free Fractional-order Visual Feedback. 2016 , 49, 736-741	3
1043	Stability analysis of a fractional-order epidemics model with multiple equilibriums. 2016, 2016,	20
1042	Backward Bifurcation in a Fractional-Order SIRS Epidemic Model with a Nonlinear Incidence Rate. 2016 , 17, 401-412	6
1041	Global bifurcations in fractional-order chaotic systems with an extended generalized cell mapping method. 2016 , 26, 084304	18
1040	On the solution of two-sided fractional ordinary differential equations of Caputo type. 2016 , 19, 1393-1413	8
1039	Chaotic Behavior and Its Control in a Fractional-Order Energy DemandBupply System. 2016, 11,	8
1038	Improved Chaotic Dynamics of a Fractional-Order System, its Chaos-Suppressed Synchronisation and Circuit Implementation. 2016 , 35, 1871-1907	21
1037	Fuzzy Adaptive Synchronization of Incommensurate Fractional-Order Chaotic Systems. 2016 , 363-378	7
1036	Positive Solutions of the Fractional Relaxation Equation Using Lower and Upper Solutions. 2016 , 44, 739-748	17
1035	Description of sorption kinetics of azo dye onto birch chips by means of fractional derivatives. 2016 , 57, 22774-22778	4
1034	A high order numerical scheme for variable order fractional ordinary differential equation. 2016 , 61, 88-94	22
1033	Function projective synchronization between integer-order and stochastic fractional-order nonlinear systems. 2016 , 64, 34-46	11
1032	Robust Synchronization of Fractional-Order Chaotic Systems at a Pre-Specified Time Using Sliding Mode Controller with Time-Varying Switching Surfaces. 2016 , 91, 69-77	15
1031	A Fractional Order Recovery SIR Model from a Stochastic Process. 2016 , 78, 468-99	45

1030	Steady state response analysis for fractional dynamic systems based on memory-free principle and harmonic balancing. 2016 , 81, 154-164	9
1029	Synchronization of Fractional Chaotic and Hyperchaotic Systems Using an Extended Active Control. 2016 , 53-73	1
1028	Finite difference methods with non-uniform meshes for nonlinear fractional differential equations. 2016 , 316, 614-631	90
1027	Dynamical analysis, stabilization and discretization of a chaotic fractional-order GLV model. Nonlinear Dynamics, 2016 , 85, 1597-1612 5	71
1026	Predictive control of fractional-order chaotic systems. 2016 , 87, 307-313	11
1025	Stochastic P-bifurcation and stochastic resonance in a noisy bistable fractional-order system. 2016 , 41, 104-117	58
1024	A new fractional-order sliding mode controller via a nonlinear disturbance observer for a class of dynamical systems with mismatched disturbances. 2016 , 63, 39-48	74
1023	Fractional-order multi-phase oscillators design and analysis suitable for higher-order PSK applications. 2016 , 87, 301-312	27
1022	Fractional AdamsBashforth/Moulton methods: An application to the fractional KellerBegel chemotaxis system. 2016 , 317, 1-14	43
1021	Implementation of Fractional-order Integral-plus-proportional Controller to Enhance the Power Quality of an Electrical Grid. 2016 , 44, 1018-1028	9
1020	Prediction-based feedback control and synchronization algorithm of fractional-order chaotic systems. <i>Nonlinear Dynamics</i> , 2016 , 85, 2183-2206	16
1019	Long-Term Dynamics of Autonomous Fractional Differential Equations. 2016 , 26, 1650055	3
1018	Magnitude f requency responses of fractional order systems: properties and subsequent results. 2016 , 10, 2474-2481	
1017	A new fractional-order chaotic system and its synchronization via Lyapunov and improved Laplacian-based method. 2016 , 127, 11717-11731	8
1016	Implicit-Explicit Difference Schemes for Nonlinear Fractional Differential Equations with Nonsmooth Solutions. 2016 , 38, A3070-A3093	46
1015	Wide-band modelling and transient analysis of the multi-conductor transmission lines system considering the frequency-dependent parameters based on the fractional calculus theory. 2016 , 10, 3374-338	48
1014	. 2016,	1
1013	Fractional-order sliding-mode stabilization of nonholonomic mobile robots based on dynamic feedback linearization. 2016 ,	1

1012	Numerical scheme and dynamic analysis for variable-order fractional van der Pol model of nonlinear economic cycle. 2016 , 2016,	3
1011	An investigation of fractional Riccati differential equation. 2016 , 127, 11505-11521	7
1010	Fractional version of (1 + 1)-dimensional Biswas Milovic equation and its solutions. 2016 , 127, 10135-1014	47 12
1009	Impact of anomalous transport kinetics on the progress of wound healing. 2016 , 38, 885-94	3
1008	New exact traveling wave solutions for space-time fractional (1 + 1)-dimensional SRLW equation. 2016 , 127, 10697-10704	6
1007	Complex nonlinear dynamics in fractional and integer order memristor-based systems. 2016 , 218, 296-30	06 29
1006	Hopf bifurcation in fractional-order recurrent neural networks. 2016,	
1005	Adaptive track control for fractional-order chaotic systems with or without uncertainty. 2016 , 127, 1126	3-1127 <u>6</u>
1004	Chaotic synchronization and parameter identification of fractional-order dynamical equation with attitude of spacecraft. 2016 ,	1
1003	An image encryption model based on hyperchaotic system. 2016 ,	
1002	Genocchi Wavelet-like Operational Matrix and its Application for Solving Non-linear Fractional Differential Equations. 2016 , 14, 463-472	14
1001	Solution of nonlinear weakly singular Volterra integral equations using the fractional-order Legendre functions and pseudospectral method. 2016 , 39, 3411-3425	18
1000	Chaos synchronization of a fractional-order modified Van der Pol D uffing system via new linear control, backstepping control and TakagiBugeno fuzzy approaches. 2016 , 21, 116-124	35
999	Active control technique of fractional-order chaotic complex systems. 2016 , 131, 1	26
998	Response of strongly nonlinear vibro-impact system with fractional derivative damping under Gaussian white noise excitation. <i>Nonlinear Dynamics</i> , 2016 , 85, 1955-1964	5 5
997	The general solutions of singular and non-singular matrix fractional time-varying descriptor systems with constant coefficient matrices in Caputo sense. 2016 , 55, 1675-1681	7
996	A new fractional Biswas Milovic model with its periodic soliton solutions. 2016, 127, 7694-7703	18

994	Effect of random parameter switching on commensurate fractional order chaotic systems. 2016 , 91, 157-173	4
993	A novel continuous time-varying sliding mode controller for robustly synchronizing non-identical fractional-order chaotic systems precisely at any arbitrary pre-specified time. <i>Nonlinear Dynamics</i> , 5 2016 , 86, 543-558	9
992	Emulating Thaos + Chaos = OrderIn Chen Circuit of Fractional Order by Parameter Switching. 2016 , 26, 1650096	5
991	Sensitivity analysis of nonlinear fractional order control systems with state delay. 2016 , 93, 160-178	2
990	Picard, Adomian and predictorforrector methods for an initial value problem of arbitrary (fractional) orders differential equation. 2016 , 24, 165-170	6
989	On the robustness of linear and non-linear fractional-order systems with non-linear uncertain parameters. 2016 , 33, 997-1014	3
988	Image encryption technique based on fractional chaotic time series. 2016 , 22, 2092-2099	50
987	Adaptive Fuzzy Fractional-Order Sliding Mode Controller Design for Antilock Braking Systems. 2016 , 138,	24
986	Hybrid Projective Synchronization of Fractional-Order Chaotic Complex Nonlinear Systems With Time Delays. 2016 , 11,	18
985	New exact solutions of nonlinear fractional acoustic wave equations in ultrasound. 2016 , 71, 859-868	43
984	Self-evolution of hyper fractional order chaos driven by a novel approach through genetic programming. 2016 , 52, 1-15	2
983	Suppressing chaos in a simplest autonomous memristor-based circuit of fractional order by periodic impulses. 2016 , 84, 31-40	25
982	Analysis of global O(t(-)) stability and global asymptotical periodicity for a class of fractional-order complex-valued neural networks with time varying delays. 2016 , 77, 51-69	56
981	Robust switched fractional controller for performance improvement of single phase active power filter under unbalanced conditions. 2016 , 10, 203-212	5
980	Fractional Order Financial Models for Awareness and Trial Advertising Decisions. 2016 , 48, 555-568	6
979	Parameter estimation of unknown fractional-order memristor-based chaotic systems by a hybrid artificial bee colony algorithm combined with differential evolution. <i>Nonlinear Dynamics</i> , 2016 , 84, 779-795	18
978	Stability and Performance Analysis for Positive Fractional-Order Systems With Time-Varying Delays. 2016 , 61, 2676-2681	86
977	An adaptive method to parameter identification and synchronization of fractional-order chaotic systems with parameter uncertainty. 2016 , 40, 4468-4479	29

976	WITHDRAWN: Chaos in fractional order financial delay system. 2016 ,	9
975	On a business cycle model with fractional derivative under narrow-band random excitation. 2016 , 87, 61-70	5
974	Asymptotic Solutions and Circuit Implementations of a Rayleigh Oscillator Including Cubic Fractional Damping Terms. 2016 , 35, 2041-2053	2
973	The infinite-scroll attractor and energy transition in chaotic circuit. <i>Nonlinear Dynamics</i> , 2016 , 84, 2305-2315	46
972	Adaptive control of fractional-order unified chaotic systems using a passivity-based control approach. <i>Nonlinear Dynamics</i> , 2016 , 84, 2505-2515	32
971	Ramp Tracking in Systems With Nonminimum Phase Zeros: One-and-a-Half Integrator Approach. 2016 , 138,	4
970	Three-Dimensional Chaotic Autonomous System with a Circular Equilibrium: Analysis, Circuit Implementation and Its Fractional-Order Form. 2016 , 35, 1933-1948	67
969	An explicit hybrid method for multi-term fractional differential equations based on Adams and Runge-Kutta schemes. <i>Nonlinear Dynamics</i> , 2016 , 84, 2195-2203	5
968	Asymptotic stability and stabilization of a class of nonautonomous fractional order systems. Nonlinear Dynamics, 2016, 85, 167-177 5	15
96 7	Design and optimization of generalized prediction-based control scheme to stabilize and synchronize fractional-order hyperchaotic systems. 2016 , 127, 5070-5077	7
966	An optimal linear system approximation of nonlinear fractional-order memristorDapacitor charging circuit. 2016 , 51, 58-66	14
965	Adaptive Variable Time Fractional Anisotropic Diffusion Filtering for Seismic Data Noise Attenuation. 2016 , 54, 1905-1917	31
964	Robust Finite-Time Stabilization of Fractional-Order Extended Nonholonomic Chained Form Systems. 2016 , 1-15	2
963	Size-dependent geometrically nonlinear free vibration analysis of fractional viscoelastic nanobeams based on the nonlocal elasticity theory. 2016 , 75, 266-271	68
962	Fuzzy adaptive synchronization of uncertain fractional-order chaotic systems. 2016, 7, 893-908	37
961	Generalization of combinationBombination synchronization of chaotic n-dimensional fractional-order dynamical systems. <i>Nonlinear Dynamics</i> , 2016 , 83, 1885-1893	37
960	On the convergence of a new reliable algorithm for solving multi-order fractional differential equations. 2016 , 34, 154-164	31
959	Synchronization of fractional-order colored dynamical networks via open-plus-closed-loop control. 2016 , 443, 200-211	6

958	Asymptotic limit cycle of fractional van der Pol oscillator by homotopy analysis method and memory-free principle. 2016 , 40, 3211-3220	19
957	Strange attractors generated by a fractional order switching system and its topological horseshoe. Nonlinear Dynamics, 2016 , 83, 1629-1641 5	36
956	Global dynamics of fractional-order systems with an extended generalized cell mapping method. Nonlinear Dynamics, 2016, 83, 1419-1428	15
955	An efficient Haar wavelet collocation method for the numerical solution of multi-term fractional differential equations. <i>Nonlinear Dynamics</i> , 2016 , 83, 293-303	41
954	Fuzzy generalized projective synchronization of incommensurate fractional-order chaotic systems. 2016 , 173, 606-614	85
953	Correcting the initialization of models with fractional derivatives via history-dependent conditions. 2016 , 32, 320-325	13
952	The Mātz-Legendre Tau method for fractional differential equations. 2016 , 40, 671-684	57
951	Consensus with a reference state for fractional-order multi-agent systems. 2016 , 47, 222-234	35
950	Initial conditions-independent limit cycles of a fractional-order van der Pol oscillator. 2016 , 22, 2135-2146	3
949	Synchronization of fractional-order hyper-chaotic systems based on a new adaptive sliding mode control. 2017 , 5, 124-134	21
948	Adaptive feedback synchronization of fractional-order complex dynamic networks. 2017, 23, 883-894	2
947	Numerical algorithms for Caputo fractional-order differential equations. 2017 , 90, 1201-1211	12
946	Fast predictor-corrector approach for the tempered fractional differential equations. 2017, 74, 717-754	21
945	Numerical solutions for solving a class of fractional optimal control problems via fixed-point approach. 2017 , 74, 585-603	13
944	Quasi-uniform synchronization of fractional-order memristor-based neural networks with delay. 2017 , 234, 205-215	48
943	Stability analysis of Caputolike discrete fractional systems. 2017 , 48, 520-530	89
942	Amplitude death induced by fractional derivatives in nonlinear coupled oscillators. 2017, 48, 414-424	4
941	An optimization method based on the generalized polynomials for nonlinear variable-order time fractional diffusion-wave equation. <i>Nonlinear Dynamics</i> , 2017 , 88, 1587-1598	27

	940	Multiple Mittag Deffler Stability of Fractional-Order Recurrent Neural Networks. 2017, 47, 2279-2288	123
	939	Parameter identification of fractional-order chaotic system with time delay via multi-selection differential evolution. 2017 , 5, 42-48	13
	938	Nonlinear Dynamic Analysis of a Simplest Fractional-Order Delayed Memristive Chaotic System. 2017 , 12,	11
	937	Fractional integration operator for numerical solution of the integro-partial time fractional diffusion heat equation with weakly singular kernel. 2017 , 10, 1750071	12
	936	A preconditioned fast finite difference method for space-time fractional partial differential equations. 2017 , 20,	29
	935	Numerical simulation for fractional nonlinear (1 + 1)-dimensional BiswasMilovic equation. 2017 , 136, 390-402	8
	934	A Kernel Compression Scheme for Fractional Differential Equations. 2017 , 55, 496-520	44
	933	Dynamics of complex-valued fractional-order neural networks. 2017 , 89, 39-49	41
	932	Study of epidemiological based dynamic model of computer viruses for sustainable safeguard against threat propagations. 2017 ,	1
!	931	Generalized dislocated lag function projective synchronization of fractional order chaotic systems with fully uncertain parameters. 2017 , 98, 14-21	6
	930	Efficient modified Chebyshev differentiation matrices for fractional differential equations. 2017 , 50, 284-310	36
	929	A Three-Dimensional No-Equilibrium Chaotic System: Analysis, Synchronization and Its Fractional Order Form. 2017 , 449-470	17
	928	A Three-Dimensional Chaotic System with Square Equilibrium and No-Equilibrium. 2017 , 613-635	4
!	927	Dynamics of Fractional Order Complex Ular System. 2017 , 747-771	
	926	Fractional modified DuffingRayleigh system and its synchronization. <i>Nonlinear Dynamics</i> , 2017 , 88, 3023-3041	2
	925	On Genocchi operational matrix of fractional integration for solving fractional differential equations. 2017 ,	5
(924	Uncertain viscoelastic models with fractional order: A new spectral tau method to study the numerical simulations of the solution. 2017 , 53, 44-64	60
	923	Stabilization of a class of fractional-order chaotic systems using a non-smooth control methodology. <i>Nonlinear Dynamics</i> , 2017 , 89, 1357-1370	24

922	A chaotic system with an infinite number of equilibrium points located on a line and on a hyperbola and its fractional-order form. 2017 , 99, 209-218	46
921	A simple three-dimensional fractional-order chaotic system without equilibrium: Dynamics, circuitry implementation, chaos control and synchronization. 2017 , 78, 220-227	69
920	An improved PC scheme for nonlinear fractional differential equations: Error and stability analysis. 2017 , 324, 101-117	25
919	New aspects of the adaptive synchronization and hyperchaos suppression of a financial model. 2017 , 99, 285-296	73
918	Dynamics of a class of fractional-order nonautonomous Lorenz-type systems. 2017 , 27, 041104	8
917	Lagrange Exponential stability and Exponential convergence for fractional-order complex-valued neural networks. 2017 , 91, 1-10	31
916	A search for a spectral technique to solve nonlinear fractional differential equations. 2017, 102, 387-395	7
915	Impulsive stabilization of chaos in fractional-order systems. <i>Nonlinear Dynamics</i> , 2017 , 89, 1889-1903 5	12
914	Effect of the initial ramps of creep and relaxation tests on models with fractional derivatives. 2017 , 52, 3541-3547	5
913	Finite-time synchronization of fractional-order simplest two-component chaotic oscillators. 2017 , 90, 1	27
912	Fractional dynamical behavior of electrical activity in a model of pancreatic Etells. 2017, 102, 426-432	12
911	HIV/AIDS epidemic fractional-order model. 2017 , 23, 1298-1315	42
910	Synchronization-based parameter estimation of fractional-order neural networks. 2017, 483, 351-361	31
909	Robust Adaptive Fuzzy Control for a Class of Uncertain Nonlinear Fractional Systems. 2017 , 276-294	3
908	Computational Implementation of Nudged Elastic Band, Rigid Rotation, and Corresponding Force Optimization. 2017 , 13, 3250-3259	17
907	Elaboration of a generalized approach to control and to synchronize the fractional-order chaotic systems. 2017 , 46, 853-878	4
906	A high-order predictor-corrector method for solving nonlinear differential equations of fractional order. 2017 , 20, 447-476	10
905	Dynamical Analysis of a Tri-Neuron Fractional Network. 2017 , 19, 2042-2050	6

904	Chaos generation in fractional-order switched systems and its digital implementation. 2017 , 79, 43-52	32
903	Dynamic analysis of a 5D fractional-order hyperchaotic system. 2017 , 15, 1003-1010	10
902	Dynamic preserving method with changeable memory length of fractional-order chaotic system. 2017 , 92, 59-65	4
901	On a hybrid spectral exponential Chebyshev method for time-fractional coupled Burgers equations on a semi-infinite domain. 2017 , 2017,	4
900	Hidden chaotic attractors in fractional-order systems. <i>Nonlinear Dynamics</i> , 2017 , 89, 577-586	36
899	Three Fractional-Order-Capacitors-Based Oscillators with Controllable Phase and Frequency. 2017 , 26, 1750160	52
898	Effects of HIV infection on CD4+ T-cell population based on a fractional-order model. 2017, 2017,	30
897	Random-order fractional bistable system and its stochastic resonance. 2017 , 132, 1	3
896	Stability and Bifurcation of Delayed Fractional-Order Dual Congestion Control Algorithms. 2017 , 62, 4819-4826	35
895	A new optimization method for a class of time fractional convection-diffusion-wave equations with variable coefficients. 2017 , 132, 1	13
894	A quadrature method for numerical solutions of fractional differential equations. 2017, 307, 38-49	14
893	Finite-time Stability of Fractional-order Complex-valued Neural Networks with Time Delays. 2017 , 46, 561-580	38
892	Chaos analysis and asymptotic stability of generalized Caputo fractional differential equations. 2017 , 102, 99-105	121
891	Controlled Picard Method for Solving Nonlinear Fractional Reaction Diffusion Models in Porous Catalysts. 2017 , 204, 635-647	8
890	Linear and nonlinear vibrations of fractional viscoelastic Timoshenko nanobeams considering surface energy effects. 2017 , 43, 337-350	47
889	Modeling, nonlinear dynamic analysis and control of fractional PMSG of wind turbine. <i>Nonlinear Dynamics</i> , 2017 , 88, 985-1000	11
888	Existence and numerical simulation of solutions for nonlinear fractional pantograph equations. 2017 , 94, 2041-2062	5
887	Active control strategy for synchronization and anti-synchronization of a fractional chaotic financial system. 2017 , 473, 262-275	88

886	Modified function projective synchronization of fractional-order hyperchaotic systems based on active sliding mode control. 2017 ,	
885	A fractional-order delay differential model for Ebola infection and CD8+ T-cells response: Stability analysis and Hopf bifurcation. 2017 , 10, 1750111	20
884	Study on the effect of environmental pollution based on a fractional derivative resource depletion model. 2017 , 104, 705-715	1
883	Numerical Computation of a Fractional Derivative with Non-Local and Non-Singular Kernel. 2017 , 12, 4-13	60
882	A Technique for Studying a Class of Fractional-Order Nonlinear Dynamical Systems. 2017 , 27, 1750144	6
881	The Linear B-Spline Scaling Function Operational Matrix of Fractional Integration and Its Applications in Solving Fractional-Order Differential Equations. 2017 , 41, 723-733	3
880	A Practical Method for Designing Linear Quadratic Regulator for Commensurate Fractional-Order Systems. 2017 , 174, 550-566	1
879	Stable fractional Chebyshev differentiation matrix for the numerical solution of multi-order fractional differential equations. <i>Nonlinear Dynamics</i> , 2017 , 90, 185-201	35
878	The benchmark problems for the assessment of numerical algorithms on fractional-order differential equations. 2017 ,	1
877	Single and dual solutions of fractional order differential equations based on controlled Picard method with Simpson rulePeer review under responsibility of University of Bahrain. View all notes. 2017 , 24, 247-253	2
876	On a fractional-order model for HBV infection with cure of infected cells. 2017 , 25, 445-451	25
875	Analysis of a fractional order eco-epidemiological model with prey infection and type 2 functional response. 2017 , 40, 6776-6789	26
874	Mittag-Leffler synchronization of delayed fractional-order bidirectional associative memory neural networks with discontinuous activations: state feedback control and impulsive control schemes. 2017 , 473, 20170322	25
873	Numerical Solution for a System of Fractional Differential Equations with Applications in Fluid Dynamics and Chemical Engineering. 2017 , 15,	2
872	Benchmark problems for Caputo fractional-order ordinary differential equations. 2017 , 20, 1305-1312	7
871	Output synchronization of multiple FOSMIB power systems. 2017,	
870	Chaos suppression in fractional systems using adaptive fractional state feedback control. 2017 , 103, 488-503	21
869	Nonlinear vibration analysis of fractional viscoelastic Euler B ernoulli nanobeams based on the surface stress theory. 2017 , 30, 416-424	42

(2017-2017)

868	Analysis of Oscillations in Relay Feedback Systems With Fractional-Order Integrating Plants. 2017 , 12,	3
867	RETRACTED ARTICLE: Fractional-order scheme for bovine babesiosis disease and tick populations. 2017 , 2017,	20
866	Analysis of two- and three-dimensional fractional-order Hindmarsh-Rose type neuronal models. 2017 , 20, 623-645	24
865	Periodic impulsive fractional differential equations. 2017 , 8, 482-496	18
864	Dissipativity and stability analysis of fractional-order complex-valued neural networks with time delay. 2017 , 86, 42-53	73
863	A Modeling and Analysis Method for Fractional-Order DCDC Converters. 2017 , 32, 7034-7044	47
862	Global attractivity of memristor-based fractional-order neural networks. 2017, 227, 64-73	12
861	On fractional-order hyperchaotic complex systems and their generalized function projective combination synchronization. 2017 , 130, 398-406	18
860	A new S-box construction method based on the fractional-order chaotic Chen system. 2017 , 11, 659-664	80
859	The solution of fractional order epidemic model by implicit Adams methods. 2017 , 43, 78-84	43
858	Solution of stochastic nonlinear time fractional PDEs using polynomial chaos expansion combined with an exponential integrator. 2017 , 73, 997-1007	3
857	LMI Conditions for Global Stability of Fractional-Order Neural Networks. 2017 , 28, 2423-2433	100
856	Studying linear and nonlinear vibrations of fractional viscoelastic Timoshenko micro-/nano-beams using the strain gradient theory. <i>Nonlinear Dynamics</i> , 2017 , 87, 695-711	26
855	Enhanced fuzzy adaptive control of uncertain fractional chaotic systems using a fractional sliding mode approach. 2017 ,	1
854	On Numerical Integration of Discontinuous Dynamical Systems. 2017 , 27, 1750218	3
853	Global dissipativity of fractional-order delayed neural networks with coupling. 2017,	3
852	Fractional-order DISPR model for the AIDS epidemiological dynamics. 2017,	
851	Fractional-order mathematical model for Chronic Myeloid Leukaemia. 2017,	6

850	Dynamic Analysis of Fractional-Order Recurrent Neural Network with Caputo Derivative. 2017 , 27, 1750181	5
849	Modeling and administration scheduling of fractional-order pharmacokinetic systems * *The work of the last author was supported by the KU Leuven Research Council under BOF/STG-15-043 2017 , 50, 9742-9747	1
848	Modeling and Analysis of a Fractional-Order Generalized Memristor-Based Chaotic System and Circuit Implementation. 2017 , 27, 1750199	20
847	The Onset of Chaos via Asymptotically Period-Doubling Cascade in Fractional Order Lorenz System. 2017 , 27, 1750207	2
846	Dynamic Analysis and Adaptive Sliding Mode Controller for a Chaotic Fractional Incommensurate Order Financial System. 2017 , 27, 1750198	12
845	A new fractional order chaotic system with 4-scroll chaotic attractors and its adaptive control. 2017	
844	Discretization of fractional differential equations by a piecewise constant approximation. 2017 , 12, 23-36	2
843	Decentralized robust HIzontroller design for fractional order interconnected systems with element-bounded uncertainties. 2017 ,	
842	Study on the Business Cycle Model with Fractional-Order Time Delay under Random Excitation. 2017 , 19, 354	1
841	Bifurcations and Synchronization of the Fractional-Order Bloch System. 2017 , 2017, 1-10	1
840	Discrete Waveform Relaxation Method for Linear Fractional Delay Differential-Algebraic Equations. 2017 , 2017, 1-9	3
839	A Fractional Supervision Game Model of Multiple Stakeholders and Numerical Simulation. 2017 , 2017, 1-9	6
838	Fractional-Order Model of Two-Prey One-Predator System. 2017 , 2017, 1-12	15
837	Synchronization of Time Delayed Fractional Order Chaotic Financial System. 2017 , 2017, 1-5	5
836	Analysis of a No Equilibrium Linear Resistive-Capacitive-Inductance Shunted Junction Model, Dynamics, Synchronization, and Application to Digital Cryptography in Its Fractional-Order Form. 2017 , 2017, 1-12	12
835	Period-Doubling Bifurcation of Stochastic Fractional-Order Duffing System via Chebyshev Polynomial Approximation. 2017 , 2017, 1-12	1
834	Synchronization of Two Fractional-Order Chaotic Systems via Nonsingular Terminal Fuzzy Sliding Mode Control. 2017 , 2017, 1-11	7
833	A No-Equilibrium Hyperchaotic System and Its Fractional-Order Form. 2017 , 2017, 1-11	9

832	Existence of solutions for Sturm-Liouville boundary value problems of higher-order coupled fractional differential equations at resonance. 2017 , 2017,	2
831	Numerical solution of fractional-order Riccati differential equation by differential quadrature method based on Chebyshev polynomials. 2017 , 2017,	6
830	Stability analysis of a fractional-order two-species facultative mutualism model with harvesting. 2017 , 2017,	10
829	A fractional order game model of multiple stakeholders in colliery safety management. 2017,	
828	Fractional Jacobi operational matrix for solving Fuzzy Fractional Differential Equation 1. 2017 , 33, 1041-1052	6
827	Regime Switching Rough Heston Model. 2017 ,	
826	Numerical and analytical solutions of nonlinear differential equations involving fractional operators with power and Mittag-Leffler kernel. 2018 , 13, 13	14
825	Memory effect in a self-sustained birhythmic biological system. 2018 , 109, 160-169	7
824	Synchronization and antisynchronization of N-coupled fractional-order complex chaotic systems with ring connection. 2018 , 41, 2625-2638	43
823	Fractional-order stability analysis of earthquake dynamics. 2018 , 15, 1673-1687	9
822	Hybrid Legendre functions to solve differential equations with fractional derivatives. 2018, 12, 129-136	6
821	New numerical approach for fractional differential equations. 2018, 13, 3	144
820	On the relay coupling of three fractional-order oscillators with time-delay consideration: Global and cluster synchronizations. 2018 , 111, 6-17	19
819	On the adaptive sliding mode controller for a hyperchaotic fractional-order financial system. 2018 , 497, 139-153	35
818	Dynamical analysis of a fractional-order RosenzweigMacArthur model incorporating a prey refuge. 2018 , 109, 1-13	47
817	Fractional-order PWC systems without zero Lyapunov exponents. <i>Nonlinear Dynamics</i> , 2018 , 92, 1061-10 7 8	17
816	Observer-based adaptive stabilization of the fractional-order chaotic MEMS resonator. <i>Nonlinear Dynamics</i> , 2018 , 92, 1079-1089	24
815	Exact and numerical solutions of time-fractional advection diffusion equation with a nonlinear source term by means of the Lie symmetries. <i>Nonlinear Dynamics</i> , 2018 , 92, 543-555	22

814	A class of efficient difference method for time fractional reaction diffusion equation. 2018, 37, 4376-4396	13
813	A novel scheme for solving Caputo time-fractional nonlinear equations: theory and application. Nonlinear Dynamics, 2018 , 91, 2389-2395	27
812	The Laplace-collocation method for solving fractional differential equations and a class of fractional optimal control problems. 2018 , 39, 1110-1129	6
811	A novel high-order algorithm for the numerical estimation of fractional differential equations. 2018 , 342, 180-201	7
810	Boundary conditions for fractional diffusion. 2018 , 336, 408-424	34
809	Complex dynamics, hidden attractors and continuous approximation of a fractional-order hyperchaotic PWC system. <i>Nonlinear Dynamics</i> , 2018 , 91, 2523-2540	27
808	Stabilization in finite time for fractional-order hyperchaotic electromechanical gyrostat systems. 2018 , 111, 628-642	9
807	Stabilization of a class of fractional-order nonautonomous systems using quadratic Lyapunov functions. 2018 , 2018,	19
806	Analysis of stability and Hopf bifurcation in a fractional Gauss-type predatorprey model with Allee effect and Holling type-III functional response. 2018 , 2018,	17
805	Global Mittag-Leffler stability and synchronization analysis of fractional-order quaternion-valued neural networks with linear threshold neurons. 2018 , 105, 88-103	80
804	Chaos Synchronization of Fractional-Order Chaotic Systems With Input Saturation. 2018, 13,	4
803	Nonlinear dynamics and chaos in a simplified memristor-based fractional-order neural network with discontinuous memductance function. <i>Nonlinear Dynamics</i> , 2018 , 93, 611-627	87
802	The Mittag Leffler reproducing kernel Hilbert spaces of entire and analytic functions. 2018, 463, 576-592	7
801	Reprint of: Boundary conditions for fractional diffusion. 2018 , 339, 414-430	15
800	Identification of Uncertain Incommensurate Fractional-Order Chaotic Systems Using an Improved Quantum-Behaved Particle Swarm Optimization Algorithm. 2018 , 13,	7
799	Nonclassical point of view of the Brownian motion generation via fractional deterministic model. 2018 , 29, 1850020	14
798	Fractional-order modeling and dynamic analyses of a bending-torsional coupling generator rotor shaft system with multiple faults. 2018 , 110, 1-15	17
797	Design of fractional-order hyperchaotic systems with maximum number of positive lyapunov exponents and their antisynchronisation using adaptive control. 2018 , 91, 2615-2630	7

796	Can fractional-order coexisting attractors undergo a rotational phenomenon?. 2018, 82, 2-17	14
795	Universal block diagram based modeling and simulation schemes for fractional-order control systems. 2018 , 82, 153-162	6
794	A numerical solution for a variable-order reaction diffusion model by using fractional derivatives with non-local and non-singular kernel. 2018 , 491, 406-424	65
793	A novel chaotification scheme for fractional system and its application. 2018 , 339, 275-284	5
792	Fractional calculus in pharmacokinetics. 2018 , 45, 107-125	41
791	Fractional-Order Modeling and Dynamical Analysis of a Francis Hydro-Turbine Governing System with Complex Penstocks. 2018 , 24, 32-44	3
790	A Novel Fractional Microbial Batch Culture Process and Parameter Identification. 2018, 26, 265-277	2
789	Sufficient conditions for asymptotic stability and stabilization of autonomous fractional order systems. 2018 , 56, 365-379	24
788	Chaotic Behavior and Feedback Control of Magnetorheological Suspension System With Fractional-Order Derivative. 2018 , 13,	2
787	Detailed error analysis for a fractional Adams method with graded meshes. 2018 , 78, 1195-1216	15
786	An efficient method for fractional nonlinear differential equations by quasi-Newton's method and simplified reproducing kernel method. 2018 , 41, 5-14	13
7 ⁸ 5	A note on finite difference methods for nonlinear fractional differential equations with non-uniform meshes. 2018 , 95, 1151-1169	17
784	Novel analytical and numerical techniques for fractional temporal SEIR measles model. 2018 , 79, 19-40	5
783	Existence and discrete approximation for optimization problems governed by fractional differential equations. 2018 , 59, 338-348	8
782	Lyapunov Functional Approach to Stability Analysis of Riemann-Liouville Fractional Neural Networks with Time-Varying Delays. 2018 , 20, 1938-1951	22
781	Numerical approach based on fractional-order Lagrange polynomials for solving a class of fractional differential equations. 2018 , 37, 3846-3868	29
780	Numerical solution of multi-order fractional differential equations with multiple delays via spectral collocation methods. 2018 , 56, 424-448	51
779	Parameter estimation of fractional-order arbitrary dimensional hyperchaotic systems via a hybrid adaptive artificial bee colony algorithm with simulated annealing algorithm. 2018 , 68, 172-191	11

778	An efficient mixed-mode rate-dependent cohesive fracture model using sigmoidal functions. 2018 , 192, 307-327	15
777	A non-linear thermo-viscoelastic rheological model based on fractional derivatives for high temperature creep in concrete. 2018 , 55, 551-568	32
776	LMI-based approach to stability analysis for fractional-order neural networks with discrete and distributed delays. 2018 , 49, 537-545	43
775	Synchronization in a fractional-order dynamic network with uncertain parameters using an adaptive control strategy. 2018 , 39, 353-364	9
774	Analysis of a four-wing fractional-order chaotic system via frequency-domain and time-domain approaches and circuit implementation for secure communication. 2018 , 155, 233-241	11
773	An Efficient Nonstandard Finite Difference Scheme for a Class of Fractional Chaotic Systems. 2018 , 13,	50
772	Optical Image Encryption Using Fractional-Order Quantum Cellular Neural Networks in a Fractional Fourier Domain. 2018 ,	
771	Analytical Scheme for Fractional Dengue Virus Model. 2018,	
770	Fractional derivative model for diffusion-controlled adsorption at liquid/liquid interface. 2018,	1
769	No Chattering and Adaptive Sliding Mode Control of a Fractional-Order Phase Converter with Disturbances and Parameter Uncertainties. 2018 , 2018, 1-13	2
768	An Adaptive Cuckoo Search Algorithm with Optional External Archive for Global Numerical Optimization. 2018 ,	0
767	Stability analysis of a fractional-order predatorprey model incorporating a constant prey refuge and feedback control. 2018 , 2018,	12
766	Oscillation criteria for a class of fractional delay differential equations. 2018, 2018,	4
765	Stability Analysis and Bifurcation Control of a Delayed Fractional Order GRNs Model. 2018,	1
764	Encyclopedia of Continuum Mechanics. 2018 , 1-12	1
763	Fractional-order two-component oscillator: stability and network synchronization using a reduced number of control signals. 2018 , 91, 1	4
762	Fractional-order three-dimensional thin-film nanofluid flow on an inclined rotating disk. 2018, 133, 1	28
761	Neural Networks Based Adaptive Consensus for a Class of Fractional-Order Uncertain Nonlinear Multiagent Systems. 2018 , 2018, 1-10	1

760	Singular points in the solution trajectories of fractional order dynamical systems. 2018 , 28, 113123	8
759	Complex Dynamics of the Fractional-Order REsler System and Its Tracking Synchronization Control. 2018 , 2018, 1-13	7
758	Modeling the dynamics of nutrientphytoplankton⊠ooplankton system with variable-order fractional derivatives. 2018 , 116, 114-120	69
757	Finite-time synchronization of fractional-order complex networks via hybrid feedback control. 2018 , 320, 69-75	47
756	Optimal control of a fractional-order model for the HIV/AIDS epidemic. 2018 , 11, 1850086	28
755	Comparison and analysis on lunar rotation with lunar gravity field models. 2018 , 363, 1	2
754	Fractional-Order Models for HIV Viral and Epidemiological Dynamics. 2018, 89-124	1
753	Adomian Decomposition Algorithm for Studying Incommensurate Fractional-Order Memristor-Based Chuad System. 2018 , 28, 1850134	6
75 ²	Estimation and Fault Diagnosis of Lithium-Ion Batteries: A Fractional-Order System Approach. 2018 , 2018, 1-12	2
751	Generalized fractional-order time-delayed feedback control and synchronization designs for a class of fractional-order chaotic systems. 2018 , 47, 679-713	12
750	Adaptive generalized projective synchronization of a new fractional chaotic system with uncertain parameters. 2018 ,	
749	An accurate and cost-efficient numerical approach to analyze the initial and boundary value problems of fractional multi-order. 2018 , 37, 6582-6600	2
748	A new finite-difference predictor-corrector method for fractional differential equations. 2018 , 336, 418-432	19
747	A Mātz wavelets collocation method for solving fractional differential equations. 2018 , 37, 5514-5526	7
746	Matlab Code for Lyapunov Exponents of Fractional-Order Systems. 2018 , 28, 1850067	79
745	Fractional-Order Modeling and Simulation of Magnetic Coupled Boost Converter in Continuous Conduction Mode. 2018 , 28, 1850061	10
744	Collective stochastic resonance behavior in the globally coupled fractional oscillator. <i>Nonlinear Dynamics</i> , 2018 , 94, 905-923	8
743	A Fractional-Order Model for HIV Dynamics in a Two-Sex Population. 2018 , 2018, 1-11	12

742	Space-time fractional Dirichlet problems. 2018 , 291, 2516-2535	8
741	A Modified Artificial Bee Colony Algorithm for Parameter Estimation of Fractional-Order Nonlinear Systems. 2018 , 6, 48600-48610	4
740	On Coexistence of Fractional-Order Hidden Attractors. 2018 , 13,	9
739	A Fractional B-spline Collocation Method for the Numerical Solution of Fractional Predator-Prey Models. 2018 , 2, 13	16
738	Theoretical and numerical analysis of unsteady fractional viscoelastic flows in simple geometries. 2018 , 174, 14-33	12
737	Lyapunov Exponents of a Discontinuous 4D Hyperchaotic System of Integer or Fractional Order. 2018 , 20,	10
736	Initial State Dependent Nonsmooth Bifurcations in a Fractional-Order Memristive Circuit. 2018 , 28, 1850091	10
735	A Second-Order Scheme for Nonlinear Fractional Oscillators Based on Newmark-Algorithm. 2018 , 13,	6
734	Numerical Solution of Fractional Differential Equations: A Survey and a Software Tutorial. 2018, 6, 16	156
733	Novel numerical method for solving variable-order fractional differential equations with power, exponential and Mittag-Leffler laws. 2018 , 114, 175-185	61
732	Chaotic Attractors with Fractional Conformable Derivatives in the Liouville-Caputo Sense and Its Dynamical Behaviors. 2018 , 20,	24
731	Non-linear boundary value problems involving Caputo derivatives of complex fractional order. 2018 , 334, 326-342	2
730	Hopf bifurcation of a diffusive Gause-type predator-prey model induced by time fractional-order derivatives. 2018 , 41, 5178-5189	8
729	A non-integer order dengue internal transmission model. 2018 , 2018,	14
728	A fractional order SIR epidemic model with nonlinear incidence rate. 2018 , 2018,	36
727	Phase- Variable Canonical State-Space Realizations and Initializations for Linear Time-Invariant Multi-term Fractional Differential Equations. 2018 ,	1
726	Parallel algorithms for nonlinear timeEpace fractional parabolic PDEs. 2018 , 375, 135-154	14
725	Chaos Elimination in Fractional-Order Single-Machine-Infinite-Bus Power System Using State-Feedback Control. 2018 ,	1

Application of a spectral method to Fractional Differential Equations under uncertainty1. 2018, 35, 4821-4835 5 724 Three-dimensional chaotic autonomous van der polduffing type oscillator and its fractional-order 723 4 form. 2018, 56, 2560-2573 Intermittent synchronization of fractional order coupled nonlinear systems based on a new 722 18 differential inequality. 2018, 512, 142-152 Synchronization of fractional-order chaotic systems with non-identical orders, unknown parameters 721 16 and disturbances via sliding mode control. 2018, 56, 2553-2559 Adaptive robust control of fractional-order swarm systems in the presence of model uncertainties 720 9 and external disturbances. 2018. 12. 961-969 On Failed Methods of Fractional Differential Equations: The Case of Multi-step Generalized 719 2 Differential Transform Method. 2018, 15, 1 718 Applications of Continuous-time Fractional Order Chaotic Systems. 2018, 409-449 8 The stability of impulsive incommensurate fractional order chaotic systems with Caputo derivative. 14 2018, 56, 1599-1608 Coexistence of attractors in autonomous Van der PolDuffing jerk oscillator: Analysis, chaos 716 14 control and synchronisation in its fractional-order form. 2018, 91, 1 Multiswitching Synchronization of Commensurate Fractional Order Hyperchaotic Systems Via 715 11 Active Control. 2018, 319-345 Transforming linear FDEs with rational orders into ODEs by modified differential operator 714 2 multiplication method. 2019, 25, 373-385 HPC optimal parallel communication algorithm for the simulation of fractional-order systems. 2019 713 , 75, 1014-1025 An improved Yuan Agrawal method with rapid convergence rate for fractional differential 712 3 equations. 2019, 63, 713-723 An explicit numerical scheme for solving fractional order compartment models from the master 711 equations of a stochastic process. 2019, 68, 188-202 Identification of Damavand tokamak using fractional order dynamic neural network. 2019, 41, 1447-1457 710 3 Stability analysis of a fractional order model for the HIV/AIDS epidemic in a patchy environment. 709 42 2019, 346, 323-339 708 A fractional system with five terms: analysis, circuit, chaos control and synchronization. 2019, 106, 109-120 19 The Approximate Solution for Multi-term the Fractional Order Initial Value Problem Using 2 Collocation Method Based on Shifted Chebyshev Polynomials of the First Kind. 2019, 53-67

706	Pinning synchronization of fractional-order complex networks with adaptive coupling weights. 2019 , 33, 1478-1490	2
705	Analysis and Control of Fractional Order Generalized Lorenz Chaotic System by Using Finite Time Synchronization. 2019 , 2019, 1-12	1
704	Tuberculosis model with relapse via fractional conformable derivative with power law. 2019, 42, 7113-7125	18
703	Analysis of 2-Term Fractional-Order Delay Differential Equations. 2019 , 59-75	
702	Lifting the Heston model. 2019 , 19, 1995-2013	22
701	A Numerical Method for Caputo Differential Equations and Application of High-Speed Algorithm. 2019 , 14,	1
700	New variable-order fractional chaotic systems for fast image encryption. 2019 , 29, 083103	104
699	Analytical solutions of linear inhomogeneous fractional differential equation with continuous variable coefficients. 2019 , 2019,	1
698	Identification of nonlinear systems using adaptive variable-order fractional neural networks (Case study: A wind turbine with practical results). 2019 , 85, 462-473	17
697	On the dynamics of fractional maps with power-law, exponential decay and Mittagleffler memory. 2019 , 127, 364-388	24
696	A Multidimensional Fixed-Point Theorem and Applications to Riemann-Liouville Fractional Differential Equations. 2019 , 2019, 1-8	2
695	A hybrid collocation method for fractional initial value problems. 2019 , 31,	O
694	Finite-time synchronization and parameter identification of uncertain fractional-order complex networks. 2019 , 533, 122027	21
693	Dissipativity and Contractivity Analysis for Fractional Functional Differential Equations and their Numerical Approximations. 2019 , 57, 1445-1470	13
692	Multifactor Approximation of Rough Volatility Models. 2019 , 10, 309-349	30
691	Anti-Synchronization of a Class of Chaotic Systems with Application to Lorenz System: A Unified Analysis of the Integer Order and Fractional Order. 2019 , 7, 559	6
690	A New Feature of the Fractional Eulerlagrange Equations for a Coupled Oscillator Using a Nonsingular Operator Approach. 2019 , 7,	72
689	A Nonvolatile Fractional Order Memristor Model and its Complex Dynamics. 2019 , 21, 955	5

688	compartment. 2019 , 2019,	32
687	A predictorforrector scheme for the tempered fractional differential equations with uniform and non-uniform meshes. 2019 , 75, 8168-8206	4
686	Parameters estimation using mABC algorithm applied to distributed tracking control of unknown nonlinear fractional-order multi-agent systems. 2019 , 79, 104933	5
685	Generalized Ornstein-Uhlenbeck model for active motion. 2019 , 100, 032123	15
684	Extreme values for solution to uncertain fractional differential equation and application to American option pricing model. 2019 , 534, 122357	19
683	A new numerical method for solving fractional delay differential equations. 2019 , 38, 1	16
682	Gegenbauer wavelet operational matrix method for solving variable-order non-linear reactiondiffusion and Galilei invariant advectiondiffusion equations. 2019 , 38, 1	5
681	A new family of predictor-corrector methods for solving fractional differential equations. 2019 , 363, 124633	3
680	Global stability analysis of fractional-order gene regulatory networks with time delay. 2019 , 12, 1950067	10
679	Intelligent fuzzy controller for chaos synchronization of uncertain fractional-order chaotic systems with input nonlinearities. 2019 , 48, 211-234	36
678	Regime switching rough Heston model. 2019 , 39, 538-552	8
677	The synchronization method for fractional-order hyperchaotic systems. 2019 , 383, 1427-1434	9
676	Impulsive anti-synchronization control for fractional-order chaotic circuit with memristor. 2019 , 93, 1187-119	94 8
675	A High Order Numerical Method for Solving Nonlinear Fractional Differential Equation with Non-uniform Meshes. 2019 , 207-215	
674	Stability and chaos in the fractional Chen system. 2019 , 125, 24-33	18
673	Mode-dependent non-fragile observer-based controller design for fractional-order TB fuzzy systems with Markovian jump via non-PDC scheme. 2019 , 34, 74-91	7
672	Numerical solutions of interval-valued fractional nonlinear differential equations. 2019, 134, 1	9
671	A fractional order epidemic model and simulation for avian influenza dynamics. 2019 , 42, 4765-4779	8

670	Mathematical modeling for the impacts of deforestation on wildlife species using Caputo differential operator. 2019 , 126, 32-40	47
669	Approximation methods for solving fractional equations. 2019 , 125, 171-193	20
668	Alternate stability switches induced by time delay in nonlinear fractional oscillators. 2019, 116, 55-61	1
667	A fractional-order epidemic model with time-delay and nonlinear incidence rate. 2019 , 126, 97-105	67
666	On the theoretical basis of memory-free approaches for fractional differential equations. 2019 , 36, 1201-121	8
665	Coexistence of attractors in integer- and fractional-order three-dimensional autonomous systems with hyperbolic sine nonlinearity: Analysis, circuit design and combination synchronisation. 2019 , 93, 1	6
664	Differentiated Cournot duopoly game with fractional-order and its discretization. 2019, 36, 781-806	6
663	New Numerical Aspects of Caputo-Fabrizio Fractional Derivative Operator. 2019 , 7, 374	40
662	Synchronization of Fractional-Order Complex Chaotic Systems Based on Observers. 2019 , 21,	4
661	Computation of Stability Criterion for Fractional ShimizuMorioka System Using Optimal RouthHurwitz Conditions. 2019 , 7, 23	4
660	Dynamical study of fractional order differential equations of predator-pest models. 2019 , 42, 4225-4243	1
659	Generalized Wright stability for distributed fractional-order nonlinear dynamical systems and their synchronization. <i>Nonlinear Dynamics</i> , 2019 , 97, 413-429	7
658	New features of the fractional Euler-Lagrange equations for a physical system within non-singular derivative operator. 2019 , 134, 1	66
657	A meshless local Galerkin method for solving Volterra integral equations deduced from nonlinear fractional differential equations using the moving least squares technique. 2019 , 143, 276-299	17
656	Hopf bifurcation, antimonotonicity and amplitude controls in the chaotic Toda jerk oscillator: analysis, circuit realization and combination synchronization in its fractional-order form. 2019 , 60, 149-161	10
655	A Novel Method for Solving the Bagley-Torvik Equation as Ordinary Differential Equation. 2019 , 14,	1
654	Adaptive Synchronization Strategy between Two Autonomous Dissipative Chaotic Systems Using Fractional-Order Mittag-Leffler Stability. 2019 , 21,	7
653	Dynamics analysis of fractional-order permanent magnet synchronous motor and its DSP implementation. 2019 , 33, 1950031	19

652	Synchronization of fractional-order chaotic systems with disturbances via novel fractional-integer integral sliding mode control and application to neuron models. 2019 , 42, 2761-2773	11	
651	A fractional order HIV/AIDS model based on the effect of screening of unaware infectives. 2019 , 42, 2334-2343	44	
650	Computations of synchronisation conditions in some fractional-order chaotic and hyperchaotic systems. 2019 , 92, 1	16	
649	Adaptive Synchronization of Fractional-Order Complex Chaotic system with Unknown Complex Parameters. 2019 , 21,	10	
648	A switching sliding mode control technique for chaos suppression of fractional-order complex systems. 2019 , 41, 2932-2946	13	
647	Fractional impulsive differential equations: Exact solutions, integral equations and short memory case. 2019 , 22, 180-192	49	
646	Krasnoselskii N-Tupled Fixed Point Theorem with Applications to Fractional Nonlinear Dynamical System. 2019 , 2019, 1-9	1	
645	Fractional calculus derivation of a rate-dependent PPR-based cohesive fracture model: theory, implementation, and numerical results. 2019 , 216, 1-29	11	
644	Can we split fractional derivative while analyzing fractional differential equations?. 2019 , 76, 12-24	8	
643	Fractional-order modelling and parameter identification of electrical coils. 2019 , 22, 193-216	8	
642	Dynamical behaviour of fractional order tumor model with Caputo and conformable fractional derivative. 2019 , 123, 43-51	18	
641	Impulsive Stabilization and Synchronization of Fractional-Order Complex-Valued Neural Networks. 2019 , 50, 2201-2218	20	
640	Accurate real-time truck simulation via semirecursive formulation and AdamsBashforthMoulton algorithm. 2019 , 35, 641-652	8	
639	Dynamic analysis of fractional-order predator predator predator frey biological economic system with Holling type II functional response. <i>Nonlinear Dynamics</i> , 2019 , 96, 407-416	22	
638	Bifurcation control of a generalized VDP system driven by color-noise excitation via FOPID controller. 2019 , 121, 30-38	4	
637	Cell Renormalized Fokker B lanck equation method (CR-FPK) for fractional order nonlinear system. 2019 , 110, 94-103	1	
636	A predictorBorrector scheme for solving nonlinear fractional differential equations with uniform and nonuniform meshes. 2019 , 10, 1950033	1	
635	On adaptive chaos control and synchronization of a novel fractional-order financial system. 2019 ,		

634	Parameter estimation for fractional-order chaotic systems by improved bird swarm optimization algorithm. 2019 , 30, 1950086	4
633	Synchronization of Fractional-Order Complex Chaotic System Using Active Control Method. 2019,	O
632	A SEMI-ANALYTICAL PRICING FORMULA FOR EUROPEAN OPTIONS UNDER THE ROUGH HESTON-CIR MODEL. 2019 , 61, 431-445	0
631	Discretization, Stabilization and Bifurcations in Fractional-Order Chaotic Modified Hybrid Optical Model. 2019 ,	
630	Derivative-order-dependent stability and transient behaviour in a predatorprey system of fractional differential equations. 2019 , 6, 32-49	1
629	WITHDRAWN: Stability analysis of fractional order mathematical model of tumor-immune system interaction. 2019 , 100015	
628	Numerical solution of fractional-order ordinary differential equations using the reformulated infinite state representation. 2019 , 22, 1321-1350	6
627	A Fractional-Order Predator B rey Model with Ratio-Dependent Functional Response and Linear Harvesting. 2019 , 7, 1100	18
626	Fractional techniques to characterize non-solid aluminum electrolytic capacitors for power electronic applications. <i>Nonlinear Dynamics</i> , 2019 , 98, 3125-3141	5
625	Numerical solution of Caputo fractional differential equations with infinity memory effect at initial condition. 2019 , 69, 237-247	12
624	Synchronization of Incommensurate Fractional-Order Chaotic Systems with Input Nonlinearities Using a Fuzzy Variable-Structure Control. 2019 , 128-142	
623	Neglecting nonlocality leads to unreliable numerical methods for fractional differential equations. 2019 , 70, 302-306	14
622	A kind of product integration scheme for solving fractional ordinary differential equations. 2019 , 136, 279-292	8
621	An epidemiological MSEIR model described by the Caputo fractional derivative. 2019 , 7, 776-784	38
620	A novel fractional order chaos-based image encryption using Fisher Yates algorithm and 3-D cat map. 2019 , 78, 14867-14895	24
619	Adaptive synchronization of new fractional-order chaotic systems with fractional adaption laws based on risk analysis. 2019 , 42, 1772-1785	19
618	What is the lowest order of the fractional-order chaotic systems to behave chaotically?. 2019 , 119, 163-170	15
617	Bifurcations in a fractional birhythmic biological system with time delay. 2019 , 72, 318-328	18

616	Bifurcations of a New Fractional-Order System with a One-Scroll Chaotic Attractor. 2019 , 2019, 1-15		2	
615	Fractional optimal control of an HIV/AIDS epidemic model with random testing and contact tracing. 2019 , 60, 387-411		23	
614	Numerical solution of fractional-order time-varying delayed differential systems using Lagrange interpolation. <i>Nonlinear Dynamics</i> , 2019 , 95, 809-822	5	7	
613	Numerical simulation for the two-dimensional and three-dimensional Riesz space fractional diffusion equations with delay and a nonlinear reaction term. 2019 , 96, 1957-1978		2	
612	Numerical Solution of Fractional Optimal Control. 2019 , 180, 556-573		17	
611	New predictor-corrector scheme for solving nonlinear differential equations with Caputo-Fabrizio operator. 2019 , 42, 175-185		16	
610	A GaussIJacobi Kernel Compression Scheme for Fractional Differential Equations. 2019 , 79, 227-248		5	
609	The numerical solution of fractional differential equations using the Volterra integral equation method based on thin plate splines. 2019 , 35, 1391-1408		8	
608	Amplitude death islands in globally delay-coupled fractional-order oscillators. <i>Nonlinear Dynamics</i> , 2019 , 95, 2093-2102	5	10	
607	Continuation of periodic solutions for systems with fractional derivatives. <i>Nonlinear Dynamics</i> , 2019 , 95, 479-493	5	7	
606	Numerical approach for solution to an uncertain fractional differential equation. 2019 , 343, 137-148		33	
605	Emergence of death islands in fractional-order oscillators via delayed coupling. 2019 , 69, 168-175		14	
604	Fractional comparison method and asymptotic stability results for multivariable fractional order systems. 2019 , 69, 398-415		20	
603	Numerical solutions for systems of fractional order differential equations with Bernoulli wavelets. 2019 , 96, 317-336		9	
602	The characteristic function of rough Heston models. 2019 , 29, 3-38		89	
601	Approximations of fractional integrals and Caputo derivatives with application in solving Abel® integral equations. 2019 , 31, 692-700		15	
600	New operational matrix of derivative for solving non-linear fractional differential equations via Genocchi polynomials. 2019 , 31, 1-7		24	
599	Fractional neural network models for nonlinear Riccati systems. 2019 , 31, 359-378		63	

598	On Caputo⊞adamard fractional differential equations. 2020 , 97, 1459-1483	16
597	Numerical approach for solving variable-order spacelime fractional telegraph equation using transcendental Bernstein series. 2020 , 36, 867-878	29
596	Terminal observer and disturbance observer for the class of fractional-order chaotic systems. 2020 , 24, 8881-8898	1
595	Quasi wavelet numerical approach of non-linear reaction diffusion and integro reaction-diffusion equation with Atangana Baleanu time fractional derivative. 2020 , 130, 109456	6
594	A novel cuckoo search algorithm under adaptive parameter control for global numerical optimization. 2020 , 24, 4917-4940	6
593	A Legendre spectral finite difference method for the solution of non-linear space-time fractional Burgers and reaction-diffusion equation with Atangana Baleanu derivative. 2020 , 130, 109402	9
592	Time integral about solution of an uncertain fractional order differential equation and application to zero-coupon bond model. 2020 , 372, 124991	13
591	A fractional-order model on the dynamic mechanical behavior of magnetorheological elastomers. 2020 , 29, 025020	4
590	Fractional dynamics and synchronization of Kuramoto oscillators with nonlocal, nonsingular and strong memory. 2020 , 59, 1941-1952	4
589	Modeling, simulation and optimization of combined fractional-ordinary dynamic systems. 2020 , 133, 106651	O
588	Hopf bifurcation, chaos control and synchronization of a chaotic fractional-order system with chaos entanglement function. 2020 , 172, 321-340	24
587	Modeling the mechanics of viral kinetics under immune control during primary infection of HIV-1 with treatment in fractional order. 2020 , 545, 123816	61
586	A Fractional Quadratic autocatalysis associated with chemical clock reactions involving linear inhibition. 2020 , 132, 109557	22
585	Deterministic modeling of dysentery diarrhea epidemic under fractional Caputo differential operator via real statistical analysis. 2020 , 131, 109536	9
584	Stability Results for Two-Dimensional Systems of Fractional-Order Difference Equations. 2020 , 8, 1751	6
583	Dynamical Analysis of a Fractional Order Rosenzweig-MacArthur Model Incorporating Herbivore Induced Plant Volatile. 2020 , 68, 258-269	
582	A new generalization of the fractional Eulerlagrange equation for a vertical mass-spring-damper. 2020 , 107754632096168	1
581	Application of fractional derivative on non-linear biochemical reaction models. 2020 , 1, 52-58	11

580	Stability analysis of a fractional online social network model. 2020 , 178, 625-645	6
579	A Numerical Method for a System of Fractional Differential-Algebraic Equations Based on Sliding Mode Control. 2020 , 8, 1134	3
578	Stability analysis of the fractional-order prey-predator model with infection. 2020, 1-17	7
577	Nonexistence of invariant manifolds in fractional-order dynamical systems. <i>Nonlinear Dynamics</i> , 2020 , 102, 2417-2431	1
576	A new numerical study of spacelime fractional advectionle action diffusion equation with Rabotnov fractional-exponential kernel. 2020 ,	0
575	Chaos Synchronization of Fractional-Order Lur Systems. 2020, 30, 2050206	2
574	Control of amplitude death by coupling range in a network of fractional-order oscillators. 2020 , 34, 2050303	2
573	Projective synchronization of fractional-order chaotic energy resource systems via linear control based on Takagi-Sugeno fuzzy model. 2020 ,	
572	Dynamics and Complexity Analysis of Fractional-Order Chaotic Systems with Line Equilibrium Based on Adomian Decomposition. 2020 , 2020, 1-13	7
571	Numerical study for a novel variable-order multiple time delay awareness programs mathematical model. 2020 , 158, 212-235	2
57°	Derivation of operational matrix of Rabotnov fractional-exponential kernel and its application to fractional Lienard equation. 2020 , 59, 2991-2997	3
569	On Local Generalized Ulam⊞yers Stability for Nonlinear Fractional Functional Differential Equation. 2020 , 2020, 1-12	
568	Stability Analysis of Fraction-Order Hopfield Neuron Network and Noise-Induced Coherence Resonance. 2020 , 2020, 1-12	2
567	Multistability and Formation of Spiral Waves in a Fractional-Order Memristor-Based Hyperchaotic LI\$ystem with No Equilibrium Points. 2020 , 2020, 1-12	9
566	Spectral collocation method for nonlinear Caputo fractional differential system. 2020 , 46, 1	2
565	Continuous threshold harvesting in a gause-type predator-prey model with fractional-order. 2020,	3
564	WITHDRAWN: Free convection Hartmann flow of a viscous fluid with damped thermal transport through cylindrical tube. 2020 ,	2
563	A Numerical Method for Time-Fractional Reaction-Diffusion and Integro Reaction-Diffusion Equation Based on Quasi-Wavelet. 2020 , 2020, 1-11	3

562	Two efficient numerical schemes for simulating dynamical systems and capturing chaotic behaviors with Mittag[leffler memory. 2020 , 1		7
561	Primary and subharmonic simultaneous resonance of fractional-order Duffing oscillator. <i>Nonlinear Dynamics</i> , 2020 , 102, 1485-1497	5	9
560	A new fractional-order compartmental disease model. 2020 , 59, 3187-3196		18
559	Nonlinear Fractional-Order Circuits and Systems: Motivation, A Brief Overview, and Some Future Directions. 2020 , 1, 220-232		6
558	Stability of a Fractional-Order Epidemic Model with Nonlinear Incidences and Treatment Rates. 2020 , 44, 1505-1517		3
557	Polynomial robust observer implementation based passive synchronization of nonlinear fractional-order systems with structural disturbances. 2020 , 21, 1369-1386		12
556	Forecast analysis of the epidemics trend of COVID-19 in the USA by a generalized fractional-order SEIR model. <i>Nonlinear Dynamics</i> , 2020 , 101, 1-14	5	29
555	Dynamics and numerical approximations for a fractional-order SIS epidemic model with saturating contact rate. 2020 , 39, 1		2
554	A non-integer sliding mode controller to stabilize fractional-order nonlinear systems. 2020 , 2020,		5
553	Finite-Time Stability of Fractional-Order Time-Varying Delays Gene Regulatory Networks with Structured Uncertainties and Controllers. 2020 , 2020, 1-19		2
552	Fractional SIS Epidemic Models. 2020 , 4, 44		9
551	Global Synchronization and Anti-Synchronization of Fractional-Order Complex-Valued Gene Regulatory Networks With Time-Varying Delays. 2020 , 8, 150555-150572		4
550	Efficient sensitivity based approach for AC transmission expansion planning. 2020, 14, 2378-2388		2
549	A modified modeling and dynamical behavior analysis method for fractional-order positive Luo converter. 2020 , 15, e0237169		1
548	Exact Analytical Solutions of Nonlinear Fractional Liouville Equation by Extended Complex Method. 2020 , 2020, 1-8		1
547	Multistability in a Fractional-Order Centrifugal Flywheel Governor System and Its Adaptive Control. 2020 , 2020, 1-11		2
546	Numerical investigations on COVID-19 model through singular and non-singular fractional operators. 2020 ,		27
545	Numerical solution of fuzzy fractional diffusion equation by Chebyshev spectral method. 2020,		1

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544	A RosenzweigMacArthur Model with Continuous Threshold Harvesting in Predator Involving Fractional Derivatives with Power Law and Mittag[leffler Kernel. 2020 , 9, 122	5
543	Mathematical Modeling of Linear Fractional Oscillators. 2020 , 8, 1879	10
542	Numerical Solutions of Fractional Differential Equations by Using Fractional Explicit Adams Method. 2020 , 8, 1675	1
541	Dynamics analysis of fractional-order Hopfield neural networks. 2020 , 13, 2050083	6
540	Solving Parametric Fractional Differential Equations Arising from the Rough Heston Model Using Quasi-Linearization and Spectral Collocation. 2020 , 11, 1063-1097	3
539	A Comparative Study of Two Legendre-Collocation Schemes Applied to Fractional Logistic Equation. 2020 , 6, 1	12
538	The Fractionalization of Modified Logistic Equation to Predict the Growth of Microalgae Botryococcus sp 2020 , 1489, 012013	
537	DESIGN OF A NONLINEAR SITR FRACTAL MODEL BASED ON THE DYNAMICS OF A NOVEL CORONAVIRUS (COVID-19). 2020 , 28, 2040026	41
536	A New Numerical Method for Time Fractional Non-linear Sharma-Tasso-Oliver Equation and Klein-Gordon Equation With Exponential Kernel Law. 2020 , 8,	8
535	Asymptotic stability and synchronization for nonlinear distributed-order system with uncertain parameters. 2020 , 404, 276-282	3
534	Beautiful chaotic patterns generated using simple untrained recurrent neural networks under harmonic excitation. <i>Nonlinear Dynamics</i> , 2020 , 100, 3887-3905	O
533	Efficient numerical methods for the nonlinear two-sided space-fractional diffusion equation with variable coefficients. 2020 , 157, 55-68	4
532	Numerical solution of two-dimensional time fractional cable equation with Mittag-Leffler kernel. 2020 , 43, 8348-8362	8
531	On initial conditions for fractional delay differential equations. 2020 , 90, 105359	9
530	First hitting time about solution for an uncertain fractional differential equation and application to an uncertain risk index model. 2020 , 137, 109836	24
529	Solving differential equations with artificial bee colony programming. 2020 , 24, 17991-18007	1
528	Characteristic analysis of a simple fractional-order chaotic system with infinitely many coexisting attractors and Its DSP implementation. 2020 , 95, 075212	10
527	Asymptotic Behavior Analysis of a Fractional-Order Tumor-Immune Interaction Model with Immunotherapy. 2020 , 2020, 1-12	2

526	Adaptive model-free synchronization of different fractional-order neural networks with an application in cryptography. <i>Nonlinear Dynamics</i> , 2020 , 100, 3979-4001	5	18
525	A Qualitative Theory of Time Delay Nonlinear Fractional-Order Systems. 2020 , 58, 1491-1518		8
524	Short memory fractional differential equations for new memristor and neural network design. <i>Nonlinear Dynamics</i> , 2020 , 100, 3611-3623	5	37
523	Fractional modeling for the spread of Hookworm infection under Caputo operator. 2020 , 137, 109878		22
522	LMI-based criterion for global Mittag-Leffler lag quasi-synchronization of fractional-order memristor-based neural networks via linear feedback pinning control. 2020 , 412, 226-243		8
521	Fuzzy logic embedding of fractional order sliding mode and state feedback controllers for synchronization of uncertain fractional chaotic systems. 2020 , 39, 1		4
520	DOUBLE-QUASI-WAVELET NUMERICAL METHOD FOR THE VARIABLE-ORDER TIME FRACTIONAL AND RIESZ SPACE FRACTIONAL REACTION DIFFUSION EQUATION INVOLVING DERIVATIVES IN CAPUTO BABRIZIO SENSE. 2020 , 28, 2040047		2
519	Global dynamics of a fractional order model for the transmission of HIV epidemic with optimal control. 2020 , 138, 109826		59
518	Periodic dynamics of rubella epidemic under standard and fractional Caputo operator with real data from Pakistan. 2020 , 178, 151-165		19
517	Numerical solutions for the reaction diffusion, diffusion-wave, and Cattaneo equations using a new operational matrix for the Caputo Habrizio derivative. 2020 , 43, 8595-8607		12
516	A mean-value Approach to solve fractional differential and integral equations. 2020 , 138, 109895		3
515	Numerical Solution of Fractional Optimal Control Problems with Inequality Constraint Using the Fractional-Order Bernoulli Wavelet Functions. 2020 , 44, 1513-1528		5
514	Hidden hyperchaotic attractors in a new 4D fractional order system and its synchronization. 2020 , 30, 033129		3
513	Real life application of Caputo fractional derivative for measles epidemiological autonomous dynamical system. 2020 , 134, 109744		15
512	Good (and Not So Good) Practices in Computational Methods for Fractional Calculus. 2020 , 8, 324		14
511	An optimized linearization-based predictor-corrector algorithm for the numerical simulation of nonlinear FDEs. 2020 , 95, 065202		5
510	Dynamic analysis of seven-dimensional fractional-order chaotic system and its application in encrypted communication. 2020 , 11, 5399-5417		7
509	On Tikhonov® method and optimal error bound for inverse source problem for a time-fractional diffusion equation. 2020 , 80, 61-81		6

(2020-2020)

508	A numerical study of the nonlinear fractional mathematical model of tumor cells in presence of chemotherapeutic treatment. 2020 , 13, 2050021	19
507	Numerical approximation of the system of fractional differential equations with delay and its applications. 2020 , 135, 1	2
506	Coexistent multiple-stability of a fractional-order delayed memristive Chuaß system based on describing function. 2020 , 34, 2050146	4
505	Fractional Optimal Control with Fish Consumption to Prevent the Risk of Coronary Heart Disease. 2020 , 2020, 1-13	10
504	Stability of scalar nonlinear fractional differential equations with linearly dominated delay. 2020 , 23, 250-267	4
503	Constrained Optimal Control of A Fractionally Damped Elastic Beam. 2020 , 21, 389-395	1
502	Implicit Riesz wavelets based-method for solving singular fractional integro-differential equations with applications to hematopoietic stem cell modeling. 2020 , 138, 109991	17
501	A delayed fractional order food chain model with fear effect and prey refuge. 2020 , 178, 218-245	26
500	Multistability Emergence through Fractional-Order-Derivatives in a PWL Multi-Scroll System. 2020 , 9, 880	16
499	Numerical investigation of the water entry of a hydrophobic sphere with spin. 2020 , 126, 103234	9
498	Fractional Order Turbidostat Model with the Discrete Delay of Digestion. 2020, 6, 1	1
497	A mathematical model for COVID-19 transmission by using the Caputo fractional derivative. 2020 , 140, 110107	134
496	A novel mathematical approach of COVID-19 with non-singular fractional derivative. 2020 , 139, 110048	17
495	Stability analysis of fractional order mathematical model of tumor-immune system interaction. 2020 , 133, 109614	14
494	A new numerical solution of the competition model among bank data in Caputo-Fabrizio derivative. 2020 , 59, 2251-2259	8
493	Fractional-order modeling and nonlinear dynamic analyses of the rotor-bearing-seal system. 2020 , 133, 109640	46
492	Adaptive Stabilization of a Fractional-Order System with Unknown Disturbance and Nonlinear Input via a Backstepping Control Technique. 2020 , 12, 55	1
491	Hidden dynamics in a fractional-order memristive Hindmarsh R ose model. <i>Nonlinear Dynamics</i> , 2020 , 100, 891-906	23

490	Study of a fractional-order model of chronic wasting disease. 2020 , 43, 4669	2
489	Dynamical analysis of fractional-order differentiated Cournot triopoly game. 2020 , 26, 1367-1380	
488	Effects of vaccination on measles dynamics under fractional conformable derivative with Liouville aputo operator. 2020 , 135, 1	27
487	Mean⊮ariance Portfolio Selection Under Volterra Heston Model. 2020 , 84, 683	11
486	Local and global dynamics of a fractional-order predatorBrey system with habitat complexity and the corresponding discretized fractional-order system. 2020 , 63, 311-340	3
485	Numerical Solutions for Multi-Term Fractional Order Differential Equations with Fractional Taylor Operational Matrix of Fractional Integration. 2020 , 8, 96	6
484	Dynamic analysis of time fractional order oxygen in a plankton system. 2020 , 135, 1	4
483	Dynamical analysis of a fractional-order eco-epidemiological model with disease in prey population. 2020 , 2020,	12
482	Clarify the physical process for fractional dynamical systems. Nonlinear Dynamics, 2020 , 100, 2353-2364 $_{5}$	24
481	Numerical simulation of initial value problems with generalized Caputo-type fractional derivatives. 2020 , 156, 94-105	64
481		21
	2020 , 156, 94-105	
480	2020, 156, 94-105 Solutions of a disease model with fractional white noise. 2020, 137, 109840 Modified Projective Synchronization of Fractional-order Chaotic Systems with Different	21
480 479	2020, 156, 94-105 Solutions of a disease model with fractional white noise. 2020, 137, 109840 Modified Projective Synchronization of Fractional-order Chaotic Systems with Different Dimensions. 2020, 36, 527-538 Emulate the chaotic flows of fractional jerk system to scramble the sound and image memo with	21
480 479 478	Solutions of a disease model with fractional white noise. 2020, 137, 109840 Modified Projective Synchronization of Fractional-order Chaotic Systems with Different Dimensions. 2020, 36, 527-538 Emulate the chaotic flows of fractional jerk system to scramble the sound and image memo with circuit execution. 2020, 95, 065217 Fractional order chaotic systems: history, achievements, applications, and future challenges. 2020,	2176
480 479 478 477	Solutions of a disease model with fractional white noise. 2020, 137, 109840 Modified Projective Synchronization of Fractional-order Chaotic Systems with Different Dimensions. 2020, 36, 527-538 Emulate the chaotic flows of fractional jerk system to scramble the sound and image memo with circuit execution. 2020, 95, 065217 Fractional order chaotic systems: history, achievements, applications, and future challenges. 2020, 229, 887-904 Control of a class of fractional-order systems with mismatched disturbances via fractional-order	21 7 6 18
480 479 478 477 476	Solutions of a disease model with fractional white noise. 2020, 137, 109840 Modified Projective Synchronization of Fractional-order Chaotic Systems with Different Dimensions. 2020, 36, 527-538 Emulate the chaotic flows of fractional jerk system to scramble the sound and image memo with circuit execution. 2020, 95, 065217 Fractional order chaotic systems: history, achievements, applications, and future challenges. 2020, 229, 887-904 Control of a class of fractional-order systems with mismatched disturbances via fractional-order sliding mode controller. 2020, 42, 2423-2439 Lyapunov exponents spectrum estimation of fractional order nonlinear systems using Cloned	21 7 6 18

472	Fast Hybrid Schemes for Fractional Riccati Equations (Rough Is Not So Tough). 2021 , 46, 221-254	6
471	An approach based on Haar wavelet for the approximation of fractional calculus with application to initial and boundary value problems. 2021 , 44, 3195-3213	8
470	Dynamical analysis of a fractional order eco-epidemiological model with nonlinear incidence rate and prey refuge. 2021 , 65, 623-650	2
469	A fractional-order model for chronic lymphocytic leukemia and immune system interactions. 2021 , 44, 391-406	1
468	Exact bounds for robust stability of output feedback controlled fractional-order systems with single parameter perturbations. 2021 , 31, 207-224	4
467	Memory and media coverage effect on an HIV/AIDS epidemic model with treatment. 2021 , 385, 113203	6
466	RELIABILITY INDEX AND OPTION PRICING FORMULAS OF THE FIRST-HITTING TIME MODEL BASED ON THE UNCERTAIN FRACTIONAL-ORDER DIFFERENTIAL EQUATION WITH CAPUTO TYPE. 2021 , 29, 2150012	29
465	Modeling and analysis of a fractional-order prey-predator system incorporating harvesting. 2021 , 7, 1159-117	' 62
464	Mittag-Leffler stability and bifurcation of a nonlinear fractional model with relapse. 2021, 386, 113247	6
463	Analytical solutions of linear fractional partial differential equations using fractional Fourier transform. 2021 , 385, 113202	8
462	Fractional chaotic maps withq E eformation. 2021 , 393, 125759	3
461	STABILITY ANALYSIS OF NONLINEAR UNCERTAIN FRACTIONAL DIFFERENTIAL EQUATIONS WITH CAPUTO DERIVATIVE. 2021 , 29, 2150057	8
460	On multistep tumor growth models of fractional variable-order. 2021 , 199, 104294	11
459	Optimization of the Kaplan-Yorke dimension in fractional-order chaotic oscillators by metaheuristics. 2021 , 394, 125831	13
458	Reliability index and Asian barrier option pricing formulas of the uncertain fractional first-hitting time model with Caputo type. 2021 , 142, 110409	28
457	A mathematical model to examine the effect of quarantine on the spread of coronavirus. 2021 , 142, 110418	18
456	Simple estimation method for the largest Lyapunov exponent of continuous fractional-order differential equations. 2021 , 563, 125478	5
455	Memory effects on link formation in temporal networks: A fractional calculus approach. 2021 , 564, 125502	4

454	Stability analysis of a fractional-order delay dynamical model on oncolytic virotherapy. 2021 , 44, 1377-1393	1
453	A nonlinear dynamic model of magnetorheological elastomers in magnetic fields based on fractional viscoelasticity. 2021 , 32, 228-239	3
452	Hybrid control of synchronization of fractional order nonlinear systems. 2021 , 23, 412-422	6
451	Application of the Adams-Bashfort-Mowlton method to the numerical study of linear fractional oscillators models. 2021 ,	1
450	Existence of positive solutions for a fractional compartment system. 2021 , 1-9	
449	Comparison of dynamical behavior between fractional order delayed and discrete conformable fractional order tumor-immune system. 2021 , 16, 3	1
448	Fractional-Order Delay Differential Equations with Predator-Prey Systems. 2021, 211-232	
447	Stochastic dynamics of the FitzHugh-Nagumo neuron model through a modified Van der Pol equation with fractional-order term and Gaussian white noise excitation. 2021 , 14, 2229	O
446	An expeditious wavelet-based numerical scheme for solving fractional differential equations. 2021 , 40, 1	1
445	Dynamical analysis of a fractional-order foot-and-mouth disease model. 2021 , 15, 65-82	3
444	Dynamical analysis of fractional-order Holling type-II food chain model. 2021 , 18, 5221-5235	
443	Fractional derivative modeling of bioreaction-diffusion processes. 2021,	1
442	Numerical modeling of Kondratyev long waves taking into account heredity. 2021,	
441	Crises in a fractional-order piecewise system. <i>Nonlinear Dynamics</i> , 2021 , 103, 2855-2866 5	3
440	The extension of analytic solutions to FDEs to the negative half-line. 2021, 6, 3257-3271	1
439	Dynamical analysis of fractional-order chemostat model. 2021 , 8, 182-197	O
438	Numerical solution of fuzzy fractional diffusion equation by Chebyshev spectral method with application in porous media. 2021 ,	1
437	Stability and Hopf bifurcation analysis of a biotic resource enrichment on a prey predator population in fractional-order system. 2021 ,	2

436	Piecewise Fractional Interpolation with Application to Fractional Differential Equation. 2021, 86, 1	1
435	Synchronization of Hidden Hyperchaotic Attractors in Fractional-Order Complex-Valued Systems with Application to Secure Communications. 2021 ,	
434	Fractional-Order Model for Myxomatosis Transmission Dynamics: Significance of Contact, Vector Control and Culling. 2021 , 81, 641-665	1
433	?S?ynchronization ?of? different ?dimensions? ?fractional-?order chaotic ?systems with uncertain?? ? parameters ?and ?secure ?communication?????. 2021 , 39, 57-72	
432	More on proper nonnegative splittings of rectangular matrices. 2021 , 6, 794-805	
431	Generating Multidirectional Variable Hidden Attractors via Newly Commensurate and Incommensurate Non-Equilibrium Fractional-Order Chaotic Systems. 2021 , 23,	4
430	A fuzzy fractional model of coronavirus (COVID-19) and its study with Legendre spectral method. 2021 , 21, 103773	19
429	. 2021 , 68, 842-855	4
428	Global uniform asymptotical stability for fractional-order gene regulatory networks with time-varying delays and structured uncertainties. 2021 , 2021,	5
427	Numerical solution of hybrid mathematical model of dengue transmission with relapse and memory via AdamBashforthMoulton predictor-corrector scheme. 2021, 143, 110564	16
426	Three-Species Lotka-Volterra Model with Respect to Caputo and Caputo-Fabrizio Fractional Operators. 2021 , 13, 368	3
425	Memory effect on Bazykin prey-predator model: Stability and bifurcation analysis. 2021 , 143, 110531	7
424	EID-based robust stabilization for delayed fractional-order nonlinear uncertain system with application in memristive neural networks. 2021 , 144, 110705	1
423	Novel image encryption algorithm using fractional chaos and cellular neural network. 1	5
422	A study on transmission dynamics of HIV/AIDS model through fractional operators. 2021 , 22, 103855	7
421	A mathematical study of a tuberculosis model with fractional derivatives. 2021 , 12, 2150037	22
420	Coexisting Hidden and Self-Excited Attractors in an Economic Model of Integer or Fractional Order. 2021 , 31, 2150062	2
419	Mathematical Analysis of Oxygen Uptake Rate in Continuous Process under Caputo Derivative. 2021 , 9, 675	15

418	Valuation of interest rate ceiling and floor based on the uncertain fractional differential equation in Caputo sense. 2021 , 40, 5197-5206	13
417	Critical Value-Based Power Options Pricing Problems in Uncertain Financial Markets. 2021 , 14, 2150002	2
416	Stability Analysis and Optimal Control of a Fractional Order Synthetic Drugs Transmission Model. 2021 , 9, 703	6
415	Adaptive Control of a New Chaotic Financial System with Integer Order and Fractional Order and Its Identical Adaptive Synchronization. 2021 , 2021, 1-15	O
414	Stability Analysis of a Fractional-Order Leslie-Gower Model with Allee Effect in Predator. 2021 , 1821, 012051	3
413	Study on the existence and approximate solution of fractional differential equations with delay and its applications to financial models. 2021 , 12, 1	
412	Analysis and modified function projective synchronization of integer and fractional-order autonomous Morse jerk oscillator. 2021 , 5, 275-280	
411	Analysis and solutions of generalized Chagas vectors re-infestation model of fractional order type. 2021 , 145, 110797	10
410	Dynamic model of COVID-19 and citizens reaction using fractional derivative. 2021 , 60, 2001-2012	9
409	On the variable-order fractional memristor oscillator: Data security applications and synchronization using a type-2 fuzzy disturbance observer-based robust control. 2021 , 145, 110681	31
408	Learning parameters of a system of variable order fractional differential equations.	2
407	Modeling of measles epidemic with optimized fractional order under Caputo differential operator. 2021 , 145, 110766	23
406	Dynamics of an Eco-Epidemic Predator B rey Model Involving Fractional Derivatives with Power-Law and Mittag[leffler Kernel. 2021 , 13, 785	6
405	Optimal control strategies of a fractional order model for Zika virus infection involving various transmissions. 2021 , 146, 110864	4
404	Dynamical study of non-integer order predatorprey system with fear effect. 1-9	6
403	Dynamics of pattern formation process in fractional-order super-diffusive processes: a computational approach. 2021 , 25, 11191-11208	5
402	System of Time Fractional Models for COVID-19: Modeling, Analysis and Solutions. 2021 , 13, 787	3
401	Partial topology identification of tempered fractional-order complex networks via synchronization method.	2

400	Analysis and dynamics of fractional order Covid-19 model with memory effect. 2021 , 24, 104017		18
399	Fractional-Order Derivative Model of Rift Valley Fever in Urban Peridomestic Cycle. 2021 , 2021, 1-11		O
398	Evolutionary dynamics of a competitive fractional order model under the influence of toxic substances. 2021 , 78, 595		2
397	A fractional order SITR mathematical model for forecasting of transmission of COVID-19 of India with lockdown effect. 2021 , 24, 104067		7
396	Numerical solution of nonlinear delay differential equations of fractional variable-order using a novel shifted Jacobi operational matrix. 1		1
395	A fast and high-order numerical method for nonlinear fractional-order differential equations with non-singular kernel. 2021 , 163, 57-76		1
394	A fractional-order multistable locally active memristor and its chaotic system with transient transition, state jump. <i>Nonlinear Dynamics</i> , 2021 , 104, 4523	5	21
393	Nonlinear dynamics and chaos in Caputo-like discrete fractional Chen system. 2021 , 96, 095219		Ο
392	Terminal value problem for a generalized fractional ordinary differential equation.		O
391	The Effect of Feedback Controls on Stability in a Fractional-Order SI Epidemic Model. 2021 , 7, 1		O
390	Fractional Brownian motion in superharmonic potentials and non-Boltzmann stationary distributions. 2021 , 54, 29LT01		4
389	A fractional-order approach to cardiac rhythm analysis. 2021 , 147, 110942		
388	A computationally efficient strategy for time-fractional diffusion-reaction equations. 2021,		0
387	Discrete variance swap in a rough volatility economy. 2021 , 41, 1640-1654		O
386	Chaos in fractional system with extreme events. 2021 , 230, 1-13		2
385	On two improved numerical algorithms for vibration analysis of systems involving fractional derivatives. 2021 , 43, 171-182		Ο
384	A modified variable-order fractional SIR model to predict the spread of COVID-19 in India.		2
383	Stumped nature hyperjerk system with fractional order and exponential nonlinearity: Analog simulation, bifurcation analysis and cryptographic applications. 2021 , 79, 73-93		

382	On fractional and distributed order hyperchaotic systems with line and parabola of equilibrium points and their synchronization. 2021 , 96, 115201		3
381	Chaos in a Financial System with Fractional Order and Its Control via Sliding Mode. 2021 , 2021, 1-15		6
380	A Comparative Study Between Two Different Adaptive Sliding Mode Control Techniques. 2021 , 7, 1		1
379	A Novel Analytical View of Time-Fractional Korteweg-De Vries Equations via a New Integral Transform. 2021 , 13, 1254		19
378	The Study of Linear and Nonlinear Fractional ODEs by Homotopy Analysis. 2022, 407-417		
377	Chaotic Dynamics and Chaos Control in a Fractional-Order Satellite Model and Its Time-Delay Counterpart. 2021 , 2021, 1-11		2
376	Design a Fractional Chaotic Logistic Dynamical System. 2021 , 1963, 012055		
375	Uncertain Fractional-Order Multi-Objective Optimization Based on Reliability Analysis and Application to Fractional-Order Circuit with Caputo Type. 2021 , 40, 5955		17
374	Role of immunotherapy in tumor-immune interaction: Perspectives from fractional-order modelling and sensitivity analysis. 2021 , 148, 111036		1
373	A universal predictorflorrector algorithm for numerical simulation of generalized fractional differential equations. <i>Nonlinear Dynamics</i> , 2021 , 105, 2363-2374	5	3
372	Fractional numerical dynamics for the logistic population growth model under Conformable Caputo: a case study with real observations.		12
371	Hopf bifurcation and synchronisation of a fractional-order butterfly-fish chaotic system. 1-12		O
370	A predictorBorrector compact finite difference scheme for a nonlinear partial integro-differential equation. 2021 ,		
369	Bursting mechanism in a memristive Lorenz basedsystem and function projective synchronization in itsfractional-order form: Digital implementation underATmega328P microcontroller		1
368	A numerical method to solve fractional pantograph differential equations with residual error analysis. 1		
367	A computational algorithm for simulating fractional order relaxation scillation equation. 1		3
	——————————————————————————————————————		
366	Visual Information Features and Machine Learning for Wushu Arts Tracking. 2021 , 2021, 6713062		0

364	Control of COVID-19 dynamics through a fractional-order model. 2021 , 60, 3587-3592	17
363	A Modified Lesließower Model Incorporating BeddingtonDeAngelis Functional Response, Double Allee Effect and Memory Effect. 2021 , 5, 84	4
362	Modeling, analysis and prediction of new variants of covid-19 and dengue co-infection on complex network. 2021 , 150, 111008	17
361	Laguerre polynomial-based operational matrix of integration for solving fractional differential equations with non-singular kernel. 2021 , 477,	12
360	A fractional-order ship power system with extreme multistability. <i>Nonlinear Dynamics</i> , 2021 , 106, 1027-1940	7
359	Dynamics of generalized Caputo type delay fractional differential equations using a modified Predictor-Corrector scheme. 2021 , 96, 125213	12
358	A Class of Different Fractional-Order Chaotic (Hyperchaotic) Complex Duffing-Van Der Pol Models and Their Circuits Implementations. 2021 ,	Ο
357	Reliability analysis for the fractional-order circuit system subject to the uncertain random fractional-order model with Caputo type. 2021 , 32, 15-26	11
356	Projections and fractional dynamics of the typhoid fever: A case study of Mbandjock in the Centre Region of Cameroon. 2021 , 150, 111129	1
355	Quantifying the impact of ecological memory on the dynamics of interacting communities.	1
354	On a New Modification of the Erdlyikober Fractional Derivative. 2021 , 5, 121	3
353	New global asymptotic stability conditions for a class of nonlinear time-varying fractional systems. 2021 ,	1
352	A Newton interpolation based predictorDorrector numerical method for fractional differential equations with an activatorInhibitor case study. 2021 , 187, 391-413	1
351	Matlab Code for Lyapunov Exponents of Fractional-Order Systems, Part II: The Noncommensurate Case. 2021 , 31, 2150187	2
350	Ab initio electron dynamics in high electric fields: Accurate prediction of velocity-field curves. 2021 , 104,	0
349	Numerical solution of free final time fractional optimal control problems. 2021 , 405, 126270	9
348	Dynamical Analysis of Bio-Ethanol Production Model under Generalized Nonlocal Operator in Caputo Sense. 2021 , 9, 2370	10
347	An analysis of solutions to fractional neutral differential equations with delay. 2021 , 100, 105854	2

346	An operational matrix based on the Independence polynomial of a complete bipartite graph for the Caputo fractional derivative. 1	3
345	Coupled Discrete Fractional-Order Logistic Maps. 2021 , 9, 2204	2
344	Bifurcation Analysis of a Fractional-Order Delayed Rolling Mill Main Drive Electromechanical Coupling System. 2021 , 2021, 1-10	1
343	A novel finite-time terminal observer of a fractional-order chaotic system with chaos entanglement function.	2
342	A fractional-order model of human liver: Analytic-approximate and numerical solutions comparing with clinical data. 2021 , 60, 4797-4808	5
341	Hopfield neuronal network of fractional order: A note on its numerical integration. 2021 , 151, 111219	3
340	Modeling continuous glucose monitoring with fractional differential equations subject to shocks. 2021 , 526, 110776	2
339	Chebyshev spectral method for solving fuzzy fractional Fredholm-Volterra integro-differential equation. 2021 ,	2
338	Passivity-based non-fragile control of a class of uncertain fractional-order nonlinear systems. 2021 , 81, 25-33	2
337	Experimental verification of the multi-scroll chaotic attractors synchronization in PWL arbitrary-order systems using direct coupling and passivity-based control. 2021 , 81, 56-70	5
336	Monotonicity theorem for the uncertain fractional differential equation and application to uncertain financial market. 2021 , 190, 203-221	16
335	An efficient Mittag-Leffler kernel approach for time-fractional advection-reaction-diffusion equation. 2021 , 170, 190-207	7
334	Fractional order heroin epidemic dynamics. 2021 , 60, 5157-5165	6
333	Nonlinear vibration of fractional viscoelastic micro-beams. 2021 , 137, 103811	5
332	Caputo fractional-order SEIRP model for COVID-19 Pandemic. 2022 , 61, 829-845	7
331	A computational study of transmission dynamics for dengue fever with a fractional approach. 2021 , 16, 48	1
330	Numerical Treatment of Fractional Differential Models. 2021, 289-302	2
329	The Synchronization Behaviors of Memristive Synapse-Coupled Fractional-Order Neuronal Networks. 2021 , 9, 131844-131857	Ο

328	Stochastic P-bifurcations of a noisy nonlinear system with fractional derivative element. 2021 , 37, 507-515	О
327	The Impact of Anomalous Diffusion on Action Potentials in Myelinated Neurons. 2021 , 5, 4	1
326	Exact traveling wave solutions of the stochastic Wick-type fractional Caudrey-Dodd-Gibbon-Sawada-Kotera equation. 2021 , 6, 4053-4072	2
325	Using Fractional Derivatives to Generalize the HodgkinHuxley Model. 2012 , 275-282	9
324	Oscillating Motion and Heat Transfer Mechanisms of Oscillating Heat Pipes. 2015 , 141-201	1
323	Integer and Fractional-Order Chaotic Circuits and Systems. 2020 , 1-40	3
322	Analysis of Fractional-order Point Reactor Kinetics Model with Adiabatic Temperature Feedback for Nuclear Reactor with Subdiffusive Neutron Transport. 2015 , 153-172	1
321	Viscoelastic Modeling of Brain Tissue: A Fractional Calculus-Based Approach. 2009 , 81-90	1
320	Chaos Synchronization of the Modified Autonomous Van der Pol-Duffing Circuits via Active Control. 2013 , 185-202	9
319	Stability Analysis for a Class of Caputo Fractional Time-Varying Systems with Nonlinear Dynamics. 2018 , 383-395	1
318	An experimental synthesis methodology of fractional-order chaotic attractors. <i>Nonlinear Dynamics</i> , 2020 , 100, 3907-3923	10
317	Modelling and control of a fractional-order epidemic model with fear effect. 2020 , 5, 1-12	9
316	Numerical study for two types variable-order Burgers' equations with proportional delay. 2020 , 156, 364-376	12
315	On three-dimensional variable order time fractional chaotic system with nonsingular kernel. 2020 , 133, 109628	39
314	Modeling of fracture concentration by Sellov fractional dynamic system. 2020 , 196, 02018	2
313	Long-time behavior of numerical solutions to nonlinear fractional ODEs. 2020 , 54, 335-358	6
312	Synchronization of bidirectional N-coupled fractional-order chaotic systems with ring connection based on antisymmetric structure. 2019 , 2019,	32
311	Adaptive control realization for canonic Caputo fractional-order systems with actuator nonlinearity: application to mechatronic devices. 2020 , 2020,	3

310	Dynamics of a fractional order mathematical model for COVID-19 epidemic. 2020 , 2020, 420	15
309	An approximate analytical solution of the NavierBtokes equations within Caputo operator and Elzaki transform decomposition method. 2020 , 2020,	10
308	A fractional order approach to modeling and simulations of the novel COVID-19. 2020 , 2020, 683	26
307	A METHOD FOR IMAGE ENCRYPTION BASED ON FRACTIONAL-ORDER HYPERCHAOTIC SYSTEMS. 2015 , 5, 197-209	6
306	The Motion of a Bead Sliding on a Wire in Fractional Sense. 2017 , 131, 1561-1564	55
305	Fractional Dynamics of Network Growth Constrained by Aging Node Interactions. 2016 , 11, e0154983	16
304	Time fractional Kupershmidt equation: symmetry analysis and explicit series solution with convergence analysis. 2019 , 27, 171-185	4
303	Effect of perturbation in the numerical solution of fractional differential equations. 2018, 23, 2679-2694	4
302	Expedite homotopy perturbation method based on metaheuristic technique mimicked by the flashing behavior of fireflies. 2019 , 4, 1114-1132	4
301	Dynamical behaviour of fractional-order atmosphere-soil-land plant carbon cycle system. 2020 , 5, 1532-1549	2
300	A 2nd-order one-point numerical integration scheme for fractional ordinary differential equations. 2017 , 7, 273-287	8
299	An Adaptive Interval Type-2 Fuzzy Sliding Mode Control Scheme for Fractional Chaotic Systems Synchronization With Chattering Elimination. 2018 , 99-128	2
298	Fuzzy Control-Based Synchronization of Fractional-Order Chaotic Systems With Input Nonlinearities. 2018 , 261-288	3
297	On the Influence of Fractional Derivative on Chaos Control of a New Fractional-Order Hyperchaotic System. 2020 , 115-132	4
296	Adaptive Hybrid Intelligent Tracking Control for Uncertain Fractional Order Chaotic Systems. 2012 , 1, 1-16	5
295	Pseudo-Spectral Method for Space Fractional Diffusion Equation. 2013 , 04, 1495-1502	5
294	Chaos in a Fractional-Order Single-Machine Infinite-Bus Power System and Its Adaptive Backstepping Control. 2016 , 05, 122-131	6
293	Control Chaos in System with Fractional Order. 2012 , 03, 496-501	4

292	Generalized Synchronization of Typical Fractional Order Chaos System. 2012, 7,	3
291	Complexity evolvement of a chaotic fractional-orderfinancial system. 2011 , 60, 048901	8
290	Chaotic analysis of fractional Willis delayed aneurysm system. 2018 , 67, 150501	2
289	Solution Analysis and Novel Admissibility Conditions of SFOSs: The 1. 2021 , 1-12	
288	Fractional Dynamics of Typhoid Fever Transmission Models with Mass Vaccination Perspectives. 2021 , 5, 149	1
287	Singular and Non-Singular Kernels Aspect of Time-Fractional Coupled Spring-Mass System. 2021 ,	О
286	A study on fractional HIV-AIDs transmission model with awareness effect.	6
285	Robust consensus tracking based on hABC algorithm with parameters identification for uncertain nonlinear FOMASs with external disturbances. 2021 , 358, 9975-9975	1
284	Adaptive Synchronization of Fractional-Order Complex-Valued Chaotic Neural Networks with Time-Delay and Unknown Parameters. 2021 , 3, 924-941	1
283	Nonlinear dynamics and chaos in fractional differential equations with a new generalized Caputo fractional derivative. 2021 ,	1
282	Dynamics Analysis and Synchronous Control of Fractional-Order Entanglement Symmetrical Chaotic Systems. 2021 , 13, 1996	2
281	A fractional-order dependent collocation method with graded mesh for impulsive fractional-order system. 1	
280	Lookback option pricing models based on the uncertain fractional-order differential equation with Caputo type. 1	13
279	Generalized Bessel Quasilinearization Technique Applied to Bratu and LaneEmden-Type Equations of Arbitrary Order. 2021 , 5, 179	3
278	On the analysis of Caputo fractional order dynamics of Middle East Lungs Coronavirus (MERS-CoV) model. 2021 , 61, 5123-5123	8
277	Dynamics of an fractional SEIR epidemic model with infectivity in latent period and general nonlinear incidence rate. 2021 , 152, 111456	1
276	Control and anticontrol of chaos in fractional-order models of Diabetes, HIV, Dengue, Migraine, Parkinson's and Ebola virus diseases. 2021 , 153, 111419	5
275	Simulations of Granular Cohesion Dynamics on Rough Surfaces. 2004 , 706-713	

274	Comparing Numerical Methods for Solving Nonlinear Fractional Order Differential Equations. 2010 , 171-17	9
273	Synchronization of fractional-order unified chaotic system via linear control. 2010 , 59, 1549	5
272	The Analysis of Fractional Chen Chaotic System Composite Structure. 2011 , 571-578	
271	Character Istics Recognition of Typical Fractional Order Dynamical Systems via Orthogonal Wavelet Packet Analysis Method. 2011 , 635-639	
270	Synchronization in Integer and Fractional Order Chaotic Systems. 2011 , 127-151	6
269	Nonlinear Dynamics and Chaos in a Fractional-Order HIV Model. 2011 , 37-49	
268	Stability, Structural Stability and Numerical Methods for Fractional Boundary Value Problems. 2013 , 157-173	O
267	Numerical Methods. 2013 , 329-381	
266	Numerical Methods for Multi-term Fractional Boundary Value Problems. 2013 , 535-542	
265	A New Fractional Order Chaotic System and Its Compound Structure. 2013 , 8,	O
264		
204	On Dynamical Behaviors and Chaos Control of the Fractional-Order Financial System. 2013 , 34-49	7
263	On Dynamical Behaviors and Chaos Control of the Fractional-Order Financial System. 2013 , 34-49 Generalized dislocated lag projective synchronization of fractional chaotic systems with fully uncertain parameters. 2014 , 63, 230501	2
ŕ	Generalized dislocated lag projective synchronization of fractional chaotic systems with fully	
263	Generalized dislocated lag projective synchronization of fractional chaotic systems with fully uncertain parameters. 2014 , 63, 230501 AN OPTIMAL HOMOTOPY ANALYSIS METHOD BASED ON PARTICLE SWARM OPTIMIZATION:	2
263	Generalized dislocated lag projective synchronization of fractional chaotic systems with fully uncertain parameters. 2014 , 63, 230501 AN OPTIMAL HOMOTOPY ANALYSIS METHOD BASED ON PARTICLE SWARM OPTIMIZATION: APPLICATION TO FRACTIONAL-ORDER DIFFERENTIAL EQUATION. 2016 , 6, 103-118	2
263 262 261	Generalized dislocated lag projective synchronization of fractional chaotic systems with fully uncertain parameters. 2014, 63, 230501 AN OPTIMAL HOMOTOPY ANALYSIS METHOD BASED ON PARTICLE SWARM OPTIMIZATION: APPLICATION TO FRACTIONAL-ORDER DIFFERENTIAL EQUATION. 2016, 6, 103-118 The Hele-Shaw problem with surface tension in the case of subdiffusion. 2016, 15, 1941-1974	2
263 262 261 260	Generalized dislocated lag projective synchronization of fractional chaotic systems with fully uncertain parameters. 2014, 63, 230501 AN OPTIMAL HOMOTOPY ANALYSIS METHOD BASED ON PARTICLE SWARM OPTIMIZATION: APPLICATION TO FRACTIONAL-ORDER DIFFERENTIAL EQUATION. 2016, 6, 103-118 The Hele-Shaw problem with surface tension in the case of subdiffusion. 2016, 15, 1941-1974 A PREDICTOR-CORRECTOR METHOD FOR FRACTIONAL EVOLUTION EQUATIONS. 2016, 53, 1725-1739 SYMMETRY ANALYSIS, CONSERVATION LAWS OF A TIME FRACTIONAL FIFTH-ORDER	2

256 Chaos in Nonlinear Fractional Systems. **2018**, 333-403

255	Extension of ESPM to Fractional-Order DC/DC Converters. 2019 , 201-236	1
254	NEW PREDICTOR-CORRECTOR APPROACH FOR NONLINEAR FRACTIONAL DIFFERENTIAL EQUATIONS: ERROR ANALYSIS AND STABILITY. 2019 , 9, 1527-1557	0
253	On Asymptotic Stability Analysis and Solutions of Fractional-Order Bloch Equations. 2020 , 262-275	
252	Characterization and Optimization of Fractional-Order Chaotic Systems. 2020, 75-91	
251	New Exact Solutions of Fractional-Order Partial Differential Equations. 2020 , 155-197	
250	Simulation of Chaotic Oscillators of Fractional Order. 11-17	
249	Non-Smooth Bifurcation in Two Fractional-Order Memristive Circuits. 2020 , 325-335	
248	Bifurcation and synchronization of a new fractional-order system.	1
247	A Model-Based Analysis to Predict and Control the Dynamics of COVID-19. 2022 , 87-118	
246	A Stream Cipher Based on Fractional Pseudo Chaotic Random Number Generator. 2020,	1
245	Analysis of a fractional-order SIS epidemic model with saturated treatment. 2021 , 12, 2150004	3
244	Identification of Viscoelastic Property of Pile-Soil Interactions with Fractional Derivative Model. 2021 , 40, 1392-1400	1
243	Backward bifurcation in a fractional-order and two-patch model of tuberculosis epidemic with incomplete treatment. 2021 , 14, 2150007	2
242	Encyclopedia of Continuum Mechanics. 2020 , 1927-1938	
241	Stability Analysis and Solutions of a Fractional-Order Model for the Glucose-Insulin Homeostasis in Rats. 2020 , 247-261	
240	Asymptotic Stability of Implicit Fractional Volterra Integrodifferential Equations. 2020 , 413-426	
239	Dynamics of Some Discretized Fractional-Order Differential Equations. 2020 , 58-114	

²³⁸ A Linear B-Spline Approximation for a Class of Nonlinear Time and Space Fractional Partial Differential Equations. **2020**, 67-85

237	Fractional-Order Calculus in Antimicrobial Resistance and Waning Vaccination. 2020 , 1-20	
236	Dynamical Study of Competition Cournot-like Duopoly Games Incorporating Fractional Order Derivatives and Seasonal Influences. 2020 , 21, 339-359	1
235	On three dimensional fractal dynamics with fractional inputs and applications. 2021 , 7, 1982-2000	O
234	Entanglement in time fractional evolution of two two-level atom system. 2020,	
233	Chaotic Behavior Analysis of a New Incommensurate Fractional-Order Hopfield Neural Network System. 2021 , 2021, 1-11	3
232	A new and general fractional Lagrangian approach: A capacitor microphone case study. 2021 , 31, 104950	35
231	Analytical solutions of incommensurate fractional differential equation systems with fractional order \$ 1 < alpha, beta < 2 \$ via bivariate Mittag-Leffler functions. 2022 , 7, 2281-2317	4
230	Dynamic analysis of a strange novel chaotic fractional-order system with fully golden proportion equilibria. 1	
229	PORTFOLIO INSURANCE UNDER ROUGH VOLATILITY AND VOLTERRA PROCESSES.	1
228	A THEORETICAL STUDY ON FRACTIONAL EBOLA HEMORRHAGIC FEVER MODEL.	
227	Transient Chaos, Synchronization and Digital Image Enhancement Technique Based on a Novel 5D Fractional-Order Hyperchaotic Memristive System. 2022 , 41, 2266	1
226	Parametric resonance of fractional multiple-degree-of-freedom damped beam systems. 2021 , 232, 4897	0
225	The Synchronization Behaviors of Coupled Fractional-Order Neuronal Networks under Electromagnetic Radiation. 2021 , 13, 2204	Ο
224	Modeling and numerical investigation of a conformable co-infection model for describing Hantavirus of the European moles.	3
223	A new synchronisation method of fractional-order chaotic systems with distinct orders and dimensions and its application in secure communication. 2021 , 52, 3437-3450	
222	A collocation methods based on the quadratic quadrature technique for fractional differential equations. 2021 , 7, 804-820	1
221	Improving Chaotic Features of Fractional Chaotic Maps. 2021 , 54, 154-159	O

220	OUP accepted manuscript.		O
219	Dynamics of an arbitrary order model of toxoplasmosis ailment in human and cat inhabitants. 2021 , 15, 882-896		3
218	Global dynamics and bifurcation analysis of a fractional-order SEIR epidemic model with saturation incidence rate.		6
217	Fractional order SIR epidemic model with Beddington-De Angelis incidence and Holling type II treatment rate for COVID-19 2022 , 1-25		1
216	A fractional order control model for Diabetes and COVID-19 co-dynamics with Mittag-Leffler function. 2022 , 61, 7619-7619		8
215	Numerical simulation algorithm for fractional-order systems implemented in CUDA. 2020,		
214	Numerical Approach for Finding the Solution of Single Term Nonlinear Fractional Differential Equation. 2020 ,		
213	Introduction to Fractional Calculus. 2022 , 1-38		
212	Convergence rate estimates for the kernelized predictor corrector method for fractional order initial value problems. 2021 , 24, 1879-1898		
211	Trends, directions for further research, and some open problems of fractional calculus. <i>Nonlinear Dynamics</i> , 2022 , 107, 3245	5	4
210	FPAA-based implementation of fractional-order multidirectional multiscroll chaotic oscillators. 2022 , 341-374		
209	Hopf bifurcation of a fractional-order double-ring structured neural network model with multiple communication delays. <i>Nonlinear Dynamics</i> , 2022 , 108, 379	5	O
208	Complex dynamics of a fractional-order SIR system in the context of COVID-19 2022, 1-24		1
207	Variable-order control systems: a steady-state error analysis. 2022 , 249-269		
206	Comparative Numerical Study of Spline-Based Numerical Techniques for Time Fractional Cattaneo Equation in the Sense of Caputo Habrizio. 2022 , 6, 50		0
205	Analytical investigation of fractional-order Newell-Whitehead-Segel equations via a novel transform. 2022 , 7, 6936-6958		19
204	Fractional Systems: Theoretical Foundations. 2022 , 27-73		0
203	Immunokinetic Model for COVID-19 Patients.		

202	Numerical Study of Caputo Fractional-Order Differential Equations by Developing New Operational Matrices of Vieta[lucas Polynomials. 2022 , 6, 79	О
201	Computational study of fractional order vector borne diseases model.	1
200	Stability and Bifurcation Analysis of Fractional-Order Delayed PreyPredator System and the Effect of Diffusion. 2022 , 32,	1
199	Multivalue Collocation Methods for Ordinary and Fractional Differential Equations. 2022, 10, 185	2
198	Selected Engineering Applications of Fractional-Order Calculus. 2022, 333-359	
197	Caputo Based Model for Increasing Strains of Corona-Virus: Theoretical Analysis and Experimental Design.	
196	A mathematical model for SARS-CoV-2 in variable-order fractional derivative 2022 , 1-10	3
195	A study on fractional tumour[Immune litamins model for intervention of vitamins. 2022, 33, 104963	3
194	Dynamic analysis and bursting oscillation control of fractional-order permanent magnet synchronous motor system. 2022 , 156, 111809	1
193	Stability and bifurcations in fractional-order gene regulatory networks. 2022 , 421, 126916	3
192	Dynamic performance of the energy harvester with a fractional-order derivative circuit. 107754632110646	O
191	Robust normalization and stabilization of descriptor fractional-order systems with uncertainties in all matrices. 2022 , 359, 1113-1129	
190	Suppressing Chaos for a Fractional-Order Chaotic Chemical Reaction Model via PD © Controller. 2022 , 2022, 1-11	О
189	Numerical study of Zika model as a mosquito-borne virus with non-singular fractional derivative.	1
188	Complex Chaotic Systems and Its Complexity. 2021 , 155-166	1
187	Numerical Methods for Fractional Differential Equations. 2022 , 285-333	
186	Influence of environmental viral load, interpersonal contact and infected rodents on Lassa fever transmission dynamics: Perspectives from fractional-order dynamic modelling. 2022 , 7, 8975-9002	1
185	Fractional optimal reachability problems with <code>BHilfer</code> fractional derivative.	1

184	Numerical Algorithm for Calculating the Time Domain Response of Fractional Order Transfer Function. 2022 , 6, 122	
183	Adomian Decomposition, Dynamic Analysis and Circuit Implementation of a 5D Fractional-Order Hyperchaotic System. 2022 , 14, 484	
182	Free convection Hartmann flow of a viscous fluid with damped thermal transport through a cylindrical tube. 2022 ,	1
181	A study on fractional HBV model through singular and non-singular derivatives 2022 , 1-20	O
180	Dynamical behavior of a fractional-order preypredator model with infection and harvesting. 1	O
179	Numerical solution of fractional differential equations with Caputo derivative by using numerical fractional predictBorrect technique. 2022 , 2022,	1
178	Global quasi-Mittagleffler stability of distributed-order BLDCM system. <i>Nonlinear Dynamics</i> , 5	1
177	Fractional dynamical probes in COVID-19 model with control interventions: a comparative assessment of eight most affected countries 2022 , 137, 370	1
176	Chaotic attractors that exist only in fractional-order case. 2022,	1
175	Adaptive Learning Neural Network Method for Solving Time-Fractional Diffusion Equations 2022 , 1-20	1
174	A proposed fractional dynamic system and Monte Carlo-based back analysis for simulating the spreading profile of COVID-19 2022 , 1-11	1
173	Self-Excited and Hidden Chaotic Attractors in Matouk Hyperchaotic Systems. 2022, 2022, 1-14	2
172	No-chatter model-free sliding mode control for synchronization of chaotic fractional-order systems with application in image encryption. 1	2
171	Boyd-Wong contractions in F-metric spaces and applications. 2022 , 23, 157-167	
170	When machine learning meets fractional-order chaotic signals: detecting dynamical variations. 2022 , 157, 111908	Ο
169	A New Fractional Order Stability Analysis Of Sir Model for the Transmission of Buruli Disease: A Biomedical Application.	O
168	Analysis of fractional-order dynamics of dengue infection with non-linear incidence functions. 0142331222	108 <u>5</u> 0
167	On the fractional order model for HPV and Syphilis using non-singular kernel. 2022 , 105463	2

166	On a multiwavelet spectral element method for integral equation of a generalized Cauchy problem. 1	1
165	Hybrid control design for Mittag-Leffler projective synchronization on FOQVNNs with multiple mixed delays and impulsive effects. 2022 , 197, 341-357	6
164	Design of Multi-Scroll Chaotic Attractors Based on Tempered Fractional Differential Systems. 2021,	
163	Quasi-Projective Synchronization of Distributed-Order Recurrent Neural Networks. 2021 , 5, 260	O
162	Synchronization in Dynamically Coupled Fractional-Order Chaotic Systems: Studying the Effects of Fractional Derivatives. 2021 , 2021, 1-12	O
161	Rational Approximations of Arbitrary Order: A Survey. 2021 , 5, 267	4
160	Impact of media coverage on a fractional-order SIR epidemic model.	
159	A fractional-order mathematical model for analyzing the pandemic trend of COVID-19 2021 ,	3
158	A Comprehensive Mathematical Model for SARS-CoV-2 in Caputo Derivative. 2021 , 5, 271	6
157	Dynamics of Fractional Model of Biological Pest Control in Tea Plants with Beddington D eAngelis Functional Response. 2022 , 6, 1	7
156	Reliability analysis of the uncertain fractional-order dynamic system with state constraint. 2022, 45, 2615	-2637 ₄
155	A revisit to the past plague epidemic (India) versus the present COVID-19 pandemic: fractional-order chaotic models and fuzzy logic control 2021 , 1-15	3
154	A New Diffusive Representation for Fractional Derivatives, Part II: Convergence Analysis of the Numerical Scheme. 2022 , 10, 1245	
153	RouthHurwitz Stability and Quasiperiodic Attractors in a Fractional-Order Model for Awareness Programs: Applications to COVID-19 Pandemic. 2022 , 2022, 1-15	1
152	Design of a fractional-order chaotic secure communication circuit based on sliding mode theory and microcontroller. 2022 , ahead-of-print,	0
151	Stability analysis and numerical simulation of dynamic and fractional SEIRD models for spread of nCOVID-19 in Turkey.	
150	A curative and preventive treatment fractional model for plant disease in Atangana B aleanu derivative through Lagrange interpolation.	О
149	A study on the maize streak virus epidemic model by using optimized linearization-based predictor-corrector method in Caputo sense. 2022 , 158, 112067	6

148	Optimal control of a fractional smoking system. 2022 ,	0
147	OUP accepted manuscript.	1
146	On the solution of fractional modified Boussinesq and approximate long wave equations with non-singular kernel operators. 2022 , 7, 12483-12513	11
145	Unified predictorforrector method for fractional differential equations with general kernel functions. 2022 , 25, 648-667	2
144	Robust Asymptotic Stability and Projective Synchronization of Time-Varying Delayed Fractional Neural Networks Under Parametric Uncertainty.	О
143	Stability Analysis for a Fractional-Order Coupled FitzHughNagumo-Type Neuronal Model. 2022 , 6, 257	O
142	Neurons with Hidden Attractor via Only One Controller. 2022 , 2022, 1-10	
141	A novel shifted Jacobi operational matrix method for nonlinear multi-terms delay differential equations of fractional variable-order with periodic and anti-periodic conditions.	O
140	Study of fractional order dynamics of nonlinear mathematical model. 2022 , 61, 11211-11224	4
139	Fractional second linear multistep methods: The explicit forms for solving fractional differential equations and stability analysis. 1-0	
138	Probing into bifurcation for fractional-order BAM neural networks concerning multiple time delays. 2022 , 101701	О
137	Complex Dynamic Behaviour of Food Web Model with Generalized Fractional Operator. 2022 , 10, 1702	1
136	Stability Analysis and Synchronization Control of Fractional-order Inertial Neural Networks with Time-varying Delay. 2022 , 1-1	1
135	Is fractional-order chaos theory the new tool to model chaotic pandemics as Covid-19?. <i>Nonlinear Dynamics</i> ,	; 1
134	Dynamical behavior of a fractional-order Hantavirus infection model incorporating harvesting. 2022 , 61, 11301-11312	О
133	Fractional model of smoking with relapse and harmonic mean type incidence rate under Caputo operator.	1
132	A NUMERICAL SCHEME BASED ON TWO- AND THREE-STEP NEWTON INTERPOLATION POLYNOMIALS FOR FRACTAL BRACTIONAL VARIABLE ORDERS CHAOTIC ATTRACTORS. 2022 , 30,	
131	Stability analysis of fractional differential equations with the short-term memory property.	О

130	On fractional impulsive system for methanol detoxification in human body. 2022 , 160, 112235	1
129	Single-step and multi-step methods for Caputo fractional-order differential equations with arbitrary kernels. 2022 , 7, 15002-15028	
128	Numerical schemes for variable exponent fractional-type integral equations.	
127	Design of Grid Multi-Wing Chaotic Attractors Based on Fractional-Order Differential Systems. 10,	
126	On the numerical study of fractional and non-fractional model of nonlinear Duffing oscillator: a comparison of integer and non-integer order approaches. 1-14	О
125	Stochastic P-Bifurcation Analysis of Fractional Smooth and Discontinuous Oscillator with an Extended Fast Method. 2022 , 32,	1
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123	Numerical Solution of a System of Fractional Ordinary Differential Equations by a Modified Variational Iteration Procedure. 2022 , 21, 309-318	
122	Bifurcation anti-control technique in a fractional-order stable finance model.	
121	Immunokinetic Model for COVID-19 Patients. 2022 , 2022, 1-13	3
120	Global dynamics of a fractional-order HFMD model incorporating optimal treatment and stochastic stability. 2022 , 161, 112291	1
120		1
	stability. 2022 , 161, 112291 An Efficient Operational Matrix Technique for Variable-Order Fractional Optimal Control Problems.	1
119	An Efficient Operational Matrix Technique for Variable-Order Fractional Optimal Control Problems. 2022, 131-146	1
119	An Efficient Operational Matrix Technique for Variable-Order Fractional Optimal Control Problems. 2022, 131-146 Stability Analysis of Fractional-Order Chemostat Model with Time Delay. 2022, 213-228	1 O
119 118 117	An Efficient Operational Matrix Technique for Variable-Order Fractional Optimal Control Problems. 2022, 131-146 Stability Analysis of Fractional-Order Chemostat Model with Time Delay. 2022, 213-228 On the Relationship Between Integer and Fractional PWL Systems with Multistable Behavior. 2022, 113-129	
119 118 117 116	An Efficient Operational Matrix Technique for Variable-Order Fractional Optimal Control Problems. 2022, 131-146 Stability Analysis of Fractional-Order Chemostat Model with Time Delay. 2022, 213-228 On the Relationship Between Integer and Fractional PWL Systems with Multistable Behavior. 2022, 113-129 A memory effect model to predict COVID-19: analysis and simulation. 1-17	

112	Mittagleffler stability, control, and synchronization for chaotic generalized fractional-order systems. 2022 , 2022,	О
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107	Damping efficiency of the Duffing system with additional fractional terms. 2022 , 111, 521-533	
106	Stability of two-step spline collocation methods for initial value problems for fractional differential equations. 2022 , 106726	О
105	Uncertain Currency Option Pricing Based on the Fractional Differential Equation in the Caputo Sense. 2022 , 6, 407	2
104	Fractional Dynamics of a Measles Epidemic Model. 2022 , 11, 363	1
103	Efficient high-order exponential time differencing methods for nonlinear fractional differential models.	
102	A modeling approach to stress-dependent porosity and permeability decays of rocks. 2022, 104765	
101	Computational model of a fractional-order chemical reactor system and its control using adaptive sliding mode control.	
100	Stability and bifurcation control analysis of a delayed fractional-order eco-epidemiological system. 2022 , 137,	
99	A scale-dependent hybrid algorithm for multi-dimensional time fractional differential equations.	
98	The valuation of barrier options under a threshold rough heston model. 2022,	
97	A Fractional-Order Epidemic Model with Quarantine Class and Nonmonotonic Incidence: Modeling and Simulations.	
96	Reliability modeling of uncertain random fractional differential systems with competitive failures. 2022 , 162, 112476	
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94	Existence, uniqueness and asymptotic behavior of solutions to two-term fractional differential equations. 2022 , 115, 106751	О
93	New asymptotic stability results for nonautonomous nonlinear fractional order systems.	O
92	A fractional order predatorprey model with strong allee effect and Michaelis Menten type of predator harvesting. 2022,	0
91	Impact of Fear and Strong Allee Effects on the Dynamics of a Fractional-Order Rosenzweig-MacArthur Model. 2022 , 611-619	O
90	Global dynamics of a fractional-order Leslie-Gower model with Allee effect. 2022,	O
89	Co-Dynamic Model of Drug Trafficking and Money Laundering Coupled with Atangana-Baleanu Derivative.	O
88	Effect of Nonlinear Harvesting on a Fractional-Order Predator-Prey Model. 2022, 761-773	0
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83	Comparative analysis on fractional optimal control of an SLBS model. 2022 , 114840	O
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81	Local and Network Dynamics of a Non-Integer Order Resistor Capacitor Shunted Josephson Junction Oscillators. 2022 , 11, 2812	O
80	A Fast High-Order PredictorLorrector Method on Graded Meshes for Solving Fractional Differential Equations. 2022 , 6, 516	O
79	Pricing Problem of Geometric Average Asian Barrier Option Based on Uncertain Fractional Differential Equation.	O
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77	Some novel mathematical analysis on the fractional-order 2019-nCoV dynamical model.	О

76	Drift simulation of a floating offshore wind turbine with broken mooring lines in a dynamic sea condition. 2022 , 112729	0
75	Dynamical analysis of fractional plant disease model with curative and preventive treatments. 2022 , 164, 112705	2
74	Stability analysis of fractional order modelling of social media addiction. 2022, 0	0
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67	(G ?/ G 2)-Expansion Method. 2022 , 191-197	O
66	Rich complex dynamics in new fractional-order hyperchaotic systems using a modified Caputo operator based on the extended Gamma function. 2022 , 100458	0
65	New integrable multi-L\(\textrm{D}\)y-index and mixed fractional nonlinear soliton hierarchies. 2022 , 164, 112758	O
64	Coherence and stochastic resonance in the fractional-birhythmic self-sustained system subjected to fractional time-delay feedback and L Ω y noise. 2022 , 165, 112753	О
63	New criteria for asymptotic stability of a class of nonlinear real-order time-delay systems.	0
62	Fractional Calculus-Based Generalization of the FitzHugh-Nagumo Model: Biophysical Justification, Dynamical Analysis and Neurocomputational Implications.	O
	Dynamical Analysis and Neurocompatational implications.	
61	Dynamics of a fractional planktonfish model under the influence of toxicity, refuge, and combine-harvesting efforts. 2022 , 2022,	0
61	Dynamics of a fractional plankton fi sh model under the influence of toxicity, refuge, and	0

58	The efficient fractional order based approach to analyze chemical reaction associated with pattern formation. 2022 , 165, 112862	2
57	Analysis of incommensurate multi-order fuzzy fractional differential equations under strongly generalized fuzzy Caputo differentiability.	1
56	Study of Fractional Order Tri-Tropic Prey-Predator Model with Fear Effect on Prey Population. 2022 , 12, 652-675	0
55	Dynamics of a fractional order mathematical model for COVID-19 epidemic transmission. 2023 , 609, 128383	O
54	Stability analysis and system properties of Nipah virus transmission: A fractional calculus case study. 2023 , 166, 112990	2
53	Memory effect on preypredator dynamics: Exploring the role of fear effect, additional food and anti-predator behaviour of prey. 2023 , 66, 101929	Ο
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51	Markovian approximations of stochastic Volterra equations with the fractional kernel. 2023 , 23, 53-70	Ο
50	An Approach for Numerical Solutions of CaputoHadamard Uncertain Fractional Differential Equations. 2022 , 6, 693	Ο
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46	Fractional dynamic analysis and optimal control problem for an SEIQR model on complex networks. 2022 , 32, 123123	0
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44	Nonlinear Vibration Analysis of Fractional Viscoelastic Nanobeam.	0
43	A fractional SEIQR model on diphtheria disease.	O
42	Effective Optimized Decomposition Algorithms for Solving Nonlinear Fractional Differential Equations. 2023 , 18,	1
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40	Attractor radius for fractional Lorenz systems and their application to the quantification of predictability limits. 2023 , 33, 013105	0
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37	Bifurcation analysis of a predatorprey model involving age structure, intraspecific competition, MichaelisMenten type harvesting, and memory effect. 8,	O
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31	A fractional AdamsBimpson-type method for nonlinear fractional ordinary differential equations with non-smooth data. 2023 , 63,	O
30	New operational method based on Appell type Changhee polynomials. 2023,	О
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15	Dynamics and Stability of a Fractional-Order Tumor I mmune Interaction Model with B-D Functional Response and Immunotherapy. 2023 , 7, 200	O
14	Numerical solutions of fractional epidemic models with generalized Caputo-type derivatives. 2023 , 98, 045206	O
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12	Euler Wavelet Method as a Numerical Approach for the Solution of Nonlinear Systems of Fractional Differential Equations. 2023 , 7, 246	O
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