Sundarapandian Vaidyanathan

List of Publications by Year
in descending order

270 papers	6,889 citations	41627 51 h-index	84171 75 g-index
279 all docs	279 docs citations	279 times ranked	1622 citing authors

#	ARTICLE	IF	CITATIONS
1	Power Quality Improvement for Grid-Connected Photovoltaic Panels Using Direct Power Control. Advances in Environmental Engineering and Green Technologies Book Series, 2022, , 107-142.	0.3	8
2	Artificial Neural Network for PWM Rectifier Direct Power Control and DC Voltage Control. , 2022, , 440-470.		0
3	Multilevel Inverter for Hybrid Fuel Cell/PV Energy Conversion System. Advances in Environmental Engineering and Green Technologies Book Series, 2022, , 233-270.	0.3	2
4	Multistability Analysis and MultiSim Simulation of A 12-Term Double-Scroll Hyperchaos System with Three Nonlinear Terms, Bursting Oscillations and Its Cryptographic Applications. Studies in Big Data, 2022, , 221-235.	0.8	3
5	Complex Dynamics and Effects of Memristive Load Using Current-Mode-Controlled in Buck Converter. Discrete Dynamics in Nature and Society, 2022, 2022, 1-13.	0.5	1
6	A new chaotic system without linear term, its backstepping control, and circuit design. , 2021, , 33-52.		5
7	A new chaotic jerk system with egg-shaped strange attractor, its dynamical analysis, backstepping control, and circuit simulation. , 2021, , 53-71.		5
8	A new 4-D chaotic hyperjerk system with coexisting attractors, its active backstepping control, and circuit realization. , 2021, , 73-94.		11
9	A new 3-D chaotic jerk system with a saddle-focus rest point at the origin, its active backstepping control, and circuit realization. , 2021, , 95-114.		5
10	A new 5-D hyperchaotic four-wing system with multistability and hidden attractor, its backstepping control, and circuit simulation. , 2021, , 115-138.		9
11	Optimal adaptive backstepping control for chaos synchronization of nonlinear dynamical systems. , 2021, , 291-345.		9
12	Multi-switching synchronization of nonlinear hyperchaotic systems via backstepping control. , 2021, , 425-447.		8
13	Control-Based Maximum Power Point Tracking for a Grid-Connected Hybrid Renewable Energy System Optimized by Particle Swarm Optimization. , 2021, , 353-384.		2
14	A 5-D Multi-Stable Hyperchaotic Two-Disk Dynamo System With No Equilibrium Point: Circuit Design, FPGA Realization and Applications to TRNGs and Image Encryption. IEEE Access, 2021, 9, 81352-81369.	2.6	32
15	Chameleon Chaotic Systems With Quadratic Nonlinearities: An Adaptive Finite-Time Sliding Mode Control Approach and Circuit Simulation. IEEE Access, 2021, 9, 64558-64573.	2.6	30
16	Mathematical Model and FPGA Realization of a Multi-Stable Chaotic Dynamical System with a Closed Butterfly-Like Curve of Equilibrium Points. Applied Sciences (Switzerland), 2021, 11, 788.	1.3	47
17	Integral Sliding Mode Controller Design for the Global Chaos Synchronization of a New Finance Chaotic System with Three Balance Points and Multi-Stability. IOP Conference Series: Materials Science and Engineering, 2021, 1115, 012001.	0.3	1
18	A New 4-D Multi-Stable Hyperchaotic System With No Balance Point: Bifurcation Analysis, Circuit Simulation, FPGA Realization and Image Cryptosystem. IEEE Access, 2021, 9, 144555-144573.	2.6	25

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19	Complexity, Dynamics, Control, and Applications of Nonlinear Systems with Multistability. Complexity, 2020, 2020, 1-7.	0.9	6
20	A 3-D Multi-Stable System With a Peanut-Shaped Equilibrium Curve: Circuit Design, FPGA Realization, and an Application to Image Encryption. IEEE Access, 2020, 8, 137116-137132.	2.6	115
21	A novel ANN-based four-dimensional two-disk hyperchaotic dynamical system, bifurcation analysis, circuit realisation and FPGA-based TRNG implementation. International Journal of Computer Applications in Technology, 2020, 62, 20.	0.3	23
22	A new four-dimensional two-scroll hyperchaos dynamical system with no rest point, bifurcation analysis, multi-stability, circuit simulation and FPGA design. International Journal of Computer Applications in Technology, 2020, 63, 147.	0.3	2
23	A New 4-D Multi-Stable Hyperchaotic Two-Scroll System with No-Equilibrium and its Hyperchaos Synchronization. Journal of Physics: Conference Series, 2020, 1477, 022018.	0.3	3
24	A New 3-D Chaotic Jerk System with Four Nonlinear Terms, its Backstepping Synchronization and Circuit Simulation. Journal of Physics: Conference Series, 2020, 1477, 022017.	0.3	0
25	Electronic Circuit Design of a Novel Chaotic System with Apple-Shaped Curve Equilibrium and Multiple Coexisting Attractors. Journal of Physics: Conference Series, 2020, 1477, 022015.	0.3	3
26	A New 4-D Hyperchaotic Two-Wing System with a Unique Saddle-Point Equilibrium at the Origin, its Bifurcation Analysis and Circuit Simulation. Journal of Physics: Conference Series, 2020, 1477, 022016.	0.3	1
27	Adaptive Terminal-Integral Sliding Mode Force Control of Elastic Joint Robot Manipulators in the Presence of Hysteresis. Advances in Intelligent Systems and Computing, 2020, , 266-276.	0.5	5
28	A Novel Chaotic System With Boomerang-Shaped Equilibrium, Its Circuit Implementation and Application to Sound Encryption. Iranian Journal of Science and Technology - Transactions of Electrical Engineering, 2019, 43, 1-12.	1.5	41
29	A New Double-Wing Chaotic System With Coexisting Attractors and Line Equilibrium: Bifurcation Analysis and Electronic Circuit Simulation. IEEE Access, 2019, 7, 115454-115462.	2.6	56
30	A Chaotic Jerk System with Three Cubic Nonlinearities, Dynamical Analysis, Adaptive Chaos Synchronization and Circuit Simulation. Journal of Physics: Conference Series, 2019, 1179, 012083.	0.3	2
31	A Hyperchaotic System with Three Quadratic Nonlinearities, its Dynamical Analysis and Circuit Realization. Journal of Physics: Conference Series, 2019, 1179, 012085.	0.3	1
32	A New 4-D Chaotic System with Self-Excited Two-Wing Attractor, its Dynamical Analysis and Circuit Realization. Journal of Physics: Conference Series, 2019, 1179, 012084.	0.3	1
33	A Novel 3-D Chaotic System with Line Equilibrium: Dynamical Analysis and Synchronization. Journal of Physics: Conference Series, 2019, 1179, 012086.	0.3	0
34	A Novel Chaotic System with Two Circles of Equilibrium Points: Multistability, Electronic Circuit and FPGA Realization. Electronics (Switzerland), 2019, 8, 1211.	1.8	54
35	Chaos in a System With Parabolic Equilibrium. , 2019, , 41-61.		1
36	A new 3-D chaotic system with four quadratic nonlinear terms, its global chaos control via passive control method and circuit design. IOP Conference Series: Materials Science and Engineering, 2019, 621, 012013.	0.3	3

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37	A new chaotic dynamical system with a hyperbolic curve of rest points, its complete synchronisation via integral sliding mode control and circuit design. International Journal of Modelling, Identification and Control, 2019, 33, 198.	0.2	2
38	A new hyperjerk dynamical system with hyperchaotic attractor and two saddle-focus rest points exhibiting Hopf bifurcations, its hyperchaos synchronisation and circuit implementation. International Journal of Modelling, Identification and Control, 2019, 33, 299.	0.2	2
39	A New Chaos Plant with a Line of Rest Points, Dynamical Study and its Circuit Realization. , 2019, , .		0
40	A new 4-D hyperchaotic hyperjerk system with a single equilibrium, its dynamic properties and circuit design. IOP Conference Series: Materials Science and Engineering, 2019, 621, 012012.	0.3	0
41	A New 2-Scroll Chaos Plant with Multistability and its Circuit Realization. , 2019, , .		0
42	A novel 3-D chaotic system with line equilibrium: dynamical analysis, coexisting attractors, offset boosting control and circuit design. IOP Conference Series: Materials Science and Engineering, 2019, 567, 012009.	0.3	2
43	A memristor-based system with hidden hyperchaotic attractors, its circuit design, synchronisation via integral sliding mode control and an application to voice encryption. International Journal of Automation and Control, 2019, 13, 644.	0.3	43
44	A New 4-D Hyperchaotic System with Four-Scroll Hidden Attractor, Its Properties and Bifurcation Analysis. IOP Conference Series: Materials Science and Engineering, 2019, 621, 012014.	0.3	4
45	A new five-dimensional four-wing hyperchaotic system with hidden attractor, its electronic circuit realisation and synchronisation via integral sliding mode control. International Journal of Modelling, Identification and Control, 2019, 32, 30.	0.2	23
46	Memory Circuit Elements: Complexity, Complex Systems, and Applications. Complexity, 2019, 2019, 1-4.	0.9	8
47	A new 4-D chaotic hyperjerk system, its synchronization, circuit design and applications in RNG, image encryption and chaos-based steganography. European Physical Journal Plus, 2018, 133, 1.	1.2	95
48	Complex novel 4D memristor hyperchaotic system and its synchronization using adaptive sliding mode control. AEJ - Alexandria Engineering Journal, 2018, 57, 683-694.	3.4	25
49	Hyperchaotic Attractor in a Novel Hyperjerk System with Two Nonlinearities. Circuits, Systems, and Signal Processing, 2018, 37, 613-635.	1.2	30
50	A New Hamiltonian Chaotic System with Coexisting Chaotic Orbits and its Dynamical Analysis. International Journal of Engineering and Technology(UAE), 2018, 7, 2430.	0.2	4
51	A New Four-Scroll Chaotic System with a Self-Excited Attractor and Circuit Implementation. International Journal of Engineering and Technology(UAE), 2018, 7, 1931.	0.2	1
52	A New Hyperchaotic Hyperjerk System with Three Nonlinear Terms, its Synchronization and Circuit Simulation. International Journal of Engineering and Technology(UAE), 2018, 7, 1585.	0.2	11
53	Discrete Time Sliding Mode Control Scheme for Nonlinear Systems With Bounded Uncertainties. International Journal of System Dynamics Applications, 2018, 7, 15-33.	0.3	15
54	A New 3-D Chaotic System with Conch-Shaped Equilibrium Curve and its Circuit Implementation. International Journal of Engineering and Technology(UAE), 2018, 7, 1410.	0.2	10

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55	A new biological snap oscillator: its modelling, analysis, simulations and circuit design. International Journal of Simulation and Process Modelling, 2018, 13, 419.	0.1	16
56	A novel four-dimensional conservative chaotic system without linear term, its analysis and adaptive control via integral sliding mode control. International Journal of Modelling, Identification and Control, 2018, 30, 132.	0.2	9
57	A New Chaotic Dynamical System with a Saddle and Two Saddle-Foci Rest Points and its Circuit Model. , 2018, , .		0
58	A New Four-Dimensional Nonlinear Plant with Double-Scroll Hyperchaotic Oscillator and its Electronic Circuit Realization. , 2018, , .		1
59	A New Chaotic Plant with Torso-Like Rest Points. , 2018, , .		0
60	A New Chaotic Jerk System with Three Nonlinearities and Synchronization via Adaptive Backstepping Control. International Journal of Engineering and Technology(UAE), 2018, 7, 1936.	0.2	17
61	Dynamics, Circuit Design and Fractional-Order Form of a Modified Rucklidge Chaotic System. Journal of Physics: Conference Series, 2018, 1090, 012038.	0.3	1
62	Analysis, Control and Circuit Design of a Novel Chaotic System with Line Equilibrium. Journal of Physics: Conference Series, 2018, 1090, 012010.	0.3	3
63	A new chaotic jerk system with two quadratic nonlinearities and its applications to electronic circuit implementation and image encryption. International Journal of Computer Applications in Technology, 2018, 58, 89.	0.3	12
64	A new three-dimensional chaotic system with a cloud-shaped curve of equilibrium points, its circuit implementation and sound encryption. International Journal of Modelling, Identification and Control, 2018, 30, 184.	0.2	26
65	Memristive Fractional-Order Nonlinear Model for Circuit Design. , 2018, , 421-449.		0
66	A novel double-convection chaotic attractor, its adaptive control and circuit simulation. IOP Conference Series: Materials Science and Engineering, 2018, 332, 012033.	0.3	3
67	Dynamics, Circuit Design, Synchronization, and Fractional-Order Form of a No-Equilibrium Chaotic System. , 2018, , 1-31.		2
68	A New 4-D Chaotic System with Hidden Attractor and its Circuit Implementation. International Journal of Engineering and Technology(UAE), 2018, 7, 1245.	0.2	20
69	A novel 4-D hyperchaotic system with two quadratic nonlinearities and its adaptive synchronisation. International Journal of Automation and Control, 2018, 12, 5.	0.3	30
70	A new hyperchaotic temperature fluctuations model, its circuit simulation, FPGA implementation and an application to image encryption. International Journal of Simulation and Process Modelling, 2018, 13, 281.	0.1	42
71	A new four-dimensional chaotic system with hidden attractor and its circuit design. , 2018, , .		3
72	Sliding Mode Stabilization and Synchronization of Fractional Order Complex Chaotic and Hyperchaotic Systems. , 2018, , 283-317.		15

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73	Multiswitching Synchronization of Commensurate Fractional Order Hyperchaotic Systems Via Active Control. , 2018, , 319-345.		14
74	Analysis, Circuit Design and Synchronization of a New Hyperchaotic System with Three Quadratic Nonlinearities. Studies in Systems, Decision and Control, 2018, , 251-270.	0.8	2
75	A New Chaotic Finance System: Its Analysis, Control, Synchronization and Circuit Design. Studies in Systems, Decision and Control, 2018, , 271-295.	0.8	13
76	A Novel 4-D Hyperchaotic Rikitake Dynamo System with Hidden Attractor, its Properties, Synchronization and Circuit Design. Studies in Systems, Decision and Control, 2018, , 345-364.	0.8	8
77	A Six-Term Novel Chaotic System with Hidden Attractor and Its Circuit Design. Studies in Systems, Decision and Control, 2018, , 365-373.	0.8	14
78	Proportional Integral Loop Shaping Control Design With Particle Swarm Optimization Tuning. Advances in Systems Analysis, Software Engineering, and High Performance Computing Book Series, 2018, , 24-57.	0.5	4
79	Control-Based Maximum Power Point Tracking for a Grid-Connected Hybrid Renewable Energy System Optimized by Particle Swarm Optimization. Advances in Systems Analysis, Software Engineering, and High Performance Computing Book Series, 2018, , 58-89.	0.5	20
80	Active Control for Multi-Switching Combination Synchronization of Non-Identical Chaotic Systems. Advances in Systems Analysis, Software Engineering, and High Performance Computing Book Series, 2018, , 129-162.	0.5	9
81	Artificial Neural Network for PWM Rectifier Direct Power Control and DC Voltage Control. Advances in Systems Analysis, Software Engineering, and High Performance Computing Book Series, 2018, , 286-316.	0.5	14
82	Dynamics Analysis and Synchronization in Relay Coupled Fractional Order Colpitts Oscillators. Advances in Systems Analysis, Software Engineering, and High Performance Computing Book Series, 2018, , 317-356.	0.5	8
83	A Novel Hyperchaotic System With Adaptive Control, Synchronization, and Circuit Simulation. Advances in Systems Analysis, Software Engineering, and High Performance Computing Book Series, 2018, , 382-419.	0.5	8
84	A Hyperjerk Memristive System with Hidden Attractors. Studies in Computational Intelligence, 2017, , 59-80.	0.7	5
85	A Memristive System with Hidden Attractors and Its Engineering Application. Studies in Computational Intelligence, 2017, , 81-99.	0.7	3
86	Analysis of a 4-D Hyperchaotic Fractional-Order Memristive System with Hidden Attractors. Studies in Computational Intelligence, 2017, , 207-235.	0.7	15
87	Adaptive Control, Synchronization and Circuit Simulation of a Memristor-Based Hyperchaotic System With Hidden Attractors. Studies in Computational Intelligence, 2017, , 101-130.	0.7	6
88	A Three-Dimensional No-Equilibrium Chaotic System: Analysis, Synchronization and Its Fractional Order Form. Studies in Computational Intelligence, 2017, , 449-470.	0.7	19
89	A Three-Dimensional Chaotic System with Square Equilibrium and No-Equilibrium. Studies in Computational Intelligence, 2017, , 613-635.	0.7	4
90	Adaptive Control of a Novel Nonlinear Double Convection Chaotic System. Studies in Computational Intelligence, 2017, , 357-385.	0.7	16

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91	On New Fractional Inverse Matrix Projective Synchronization Schemes. Studies in Computational Intelligence, 2017, , 497-524.	0.7	19
92	A New Method to Synchronize Fractional Chaotic Systems with Different Dimensions. Studies in Computational Intelligence, 2017, , 581-611.	0.7	20
93	An Eight-Term 3-D Novel Chaotic System with Three Quadratic Nonlinearities, Its Adaptive Feedback Control and Synchronization. Studies in Computational Intelligence, 2017, , 719-746.	0.7	16
94	Hyperchaos and Adaptive Control of a Novel Hyperchaotic System with Two Quadratic Nonlinearities. Studies in Computational Intelligence, 2017, , 773-803.	0.7	20
95	A Memristor-Based Hyperchaotic System with Hidden Attractor and Its Sliding Mode Control. Studies in Computational Intelligence, 2017, , 343-369.	0.7	2
96	Control and Synchronization of a Novel Hyperchaotic Two-Disk Dynamo System via Adaptive Integral Sliding Mode Control. Studies in Computational Intelligence, 2017, , 235-262.	0.7	0
97	Adaptive Integral Sliding Mode Controller Design for the Control and Synchronization of a Novel Jerk Chaotic System. Studies in Computational Intelligence, 2017, , 393-417.	0.7	1
98	Sliding Mode Control Design for a Sensorless Sun Tracker. Studies in Computational Intelligence, 2017, , 419-434.	0.7	3
99	Robust Control of a Photovoltaic Battery System via Fuzzy Sliding Mode Approach. Studies in Computational Intelligence, 2017, , 115-142.	0.7	1
100	Novel Second Order Sliding Mode Control Design for the Anti-synchronization of Chaotic Systems with an Application to a Novel Four-Wing Chaotic System. Studies in Computational Intelligence, 2017, , 213-234.	0.7	0
101	Adaptive Integral Sliding Mode Controller Design for the Control of a Novel 6-D Coupled Double Convection Hyperchaotic System. Studies in Computational Intelligence, 2017, , 319-341.	0.7	0
102	Super-Twisting Sliding Mode Control of the Enzymes-Substrates Biological Chaotic System. Studies in Computational Intelligence, 2017, , 435-450.	0.7	2
103	Particle Swarm Optimization Based Sliding Mode Control Design: Application to a Quadrotor Vehicle. Studies in Computational Intelligence, 2017, , 143-169.	0.7	5
104	Adaptive Integral Sliding Mode Control of a Chemical Chaotic Reactor System. Studies in Computational Intelligence, 2017, , 371-392.	0.7	1
105	Adaptive Integral Sliding Mode Controller Design for the Control and Synchronization of a Rod-Type Plasma Torch Chaotic System. Studies in Computational Intelligence, 2017, , 263-287.	0.7	2
106	Super-Twisting Sliding Mode Control and Synchronization of Moore-Spiegel Thermo-Mechanical Chaotic System. Studies in Computational Intelligence, 2017, , 451-470.	0.7	1
107	Adaptive Integral Sliding Mode Controller Design for the Regulation and Synchronization of a Novel Hyperchaotic Finance System with a Stable Equilibrium. Studies in Computational Intelligence, 2017, , 289-318.	0.7	1
108	Complete Synchronization of Chaotic Systems via Novel Second Order Sliding Mode Control with an Application to a Novel Three-Scroll Chaotic System. Studies in Computational Intelligence, 2017, , 193-212.	0.7	0

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109	Dynamics, circuit realization, control and synchronization of a hyperchaotic hyperjerk system with coexisting attractors. Nonlinear Dynamics, 2017, 89, 1673-1687.	2.7	60
110	Global Stabilization of Nonlinear Systems via Novel Second Order Sliding Mode Control with an Application to a Novel Highly Chaotic System. Studies in Computational Intelligence, 2017, , 171-191.	0.7	0
111	A new 3-D jerk chaotic system with two cubic nonlinearities and its adaptive backstepping control. Archives of Control Sciences, 2017, 27, 409-439.	1.7	27
112	Dynamic analysis and chaos suppression in a fractional order brushless DC motor. Electrical Engineering, 2017, 99, 721-733.	1.2	59
113	Anti-synchronisation of identical chaotic systems via novel sliding control and its application to a novel chaotic system. International Journal of Modelling, Identification and Control, 2017, 27, 3.	0.2	19
114	A new three-dimensional chaotic system with a hidden attractor, circuit design and application in wireless mobile robot. Archives of Control Sciences, 2017, 27, 541-554.	1.7	68
115	Dynamical Analysis and FPGA Implementation of a Novel Hyperchaotic System and Its Synchronization Using Adaptive Sliding Mode Control and Genetically Optimized PID Control. Mathematical Problems in Engineering, 2017, 2017, 1-14.	0.6	51
116	Fractional-Order and Memristive Nonlinear Systems: Advances and Applications. Complexity, 2017, 2017, 1-2.	0.9	20
117	A Novel Chaotic System without Equilibrium: Dynamics, Synchronization, and Circuit Realization. Complexity, 2017, 2017, 1-11.	0.9	77
118	LabVIEW implementation of chaotic masking with adaptively synchronised forced Van der Pol oscillators and its application in real-time image encryption. International Journal of Simulation and Process Modelling, 2017, 12, 165.	0.1	13
119	A novel four-leaf chaotic system, its control and synchronisation via integral sliding mode control. International Journal of Modelling, Identification and Control, 2017, 28, 28.	0.2	14
120	Analysis, synchronisation and circuit implementation of a novel jerk chaotic system and its application for voice encryption. International Journal of Modelling, Identification and Control, 2017, 28, 153.	0.2	51
121	A new fractional hybrid chaos synchronisation. International Journal of Modelling, Identification and Control, 2017, 27, 314.	0.2	31
122	A Chaotic Time-Delay System with Saturation Nonlinearity. International Journal of System Dynamics Applications, 2017, 6, 111-129.	0.3	8
123	Fractional Inverse Generalized Chaos Synchronization Between Different Dimensional Systems. Studies in Computational Intelligence, 2017, , 525-551.	0.7	24
124	Chaotic System Modelling Using a Neural Network with Optimized Structure. Studies in Computational Intelligence, 2017, , 833-856.	0.7	8
125	A Conservative Hyperchaotic Hyperjerk System Based on Memristive Device. Studies in Computational Intelligence, 2017, , 393-423.	0.7	3
126	Design of a Chaotic Random Bit Generator Using a Duffing - van der Pol System. International Journal of System Dynamics Applications, 2016, 5, 94-111.	0.3	4

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127	A Chaotic System with an Infinite Number of Equilibrium Points: Dynamics, Horseshoe, and Synchronization. Advances in Mathematical Physics, 2016, 2016, 1-8.	0.4	13
128	A chaotic system with infinite equilibria located on a piecewise linear curve. Optik, 2016, 127, 9111-9117.	1.4	74
129	Hyperchaos, adaptive control and synchronization of a novel 4-D hyperchaotic system with two quadratic nonlinearities. Archives of Control Sciences, 2016, 26, 471-495.	1.7	12
130	Analysis, Control and Synchronization of a Novel Highly Chaotic System with Three Quadratic Nonlinearities. Studies in Computational Intelligence, 2016, , 211-234.	0.7	2
131	Nonlinear Observer Design for Chaotic Systems. Studies in Computational Intelligence, 2016, , 19-41.	0.7	0
132	Generalized Projective Synchronization of Vaidyanathan Chaotic System via Active and Adaptive Control. Studies in Computational Intelligence, 2016, , 97-116.	0.7	10
133	Adaptive Control and Synchronization of Chlouverakisâ€"Sprott Hyperjerk System via Backstepping Control. Studies in Computational Intelligence, 2016, , 117-141.	0.7	0
134	Global Chaos Control and Synchronization of a Novel Two-Scroll Chaotic System with Three Quadratic Nonlinearities. Studies in Computational Intelligence, 2016, , 235-255.	0.7	2
135	A Novel 3-D Circulant Chaotic System with Labyrinth Chaos and Its Adaptive Control. Studies in Computational Intelligence, 2016, , 257-281.	0.7	1
136	Generalized Projective Synchronization of a Novel Chaotic System with a Quartic Nonlinearity via Adaptive Control. Studies in Computational Intelligence, 2016, , 427-446.	0.7	4
137	A Novel 5-D Hyperchaotic System with a Line of Equilibrium Points and Its Adaptive Control. Studies in Computational Intelligence, 2016, , 471-494.	0.7	5
138	Analysis, Control and Circuit Simulation of a Novel 3-D Finance Chaotic System. Studies in Computational Intelligence, 2016, , 495-512.	0.7	5
139	A Novel Highly Hyperchaotic System and Its Adaptive Control. Studies in Computational Intelligence, 2016, , 513-535.	0.7	4
140	Sliding Mode Controller Design for the Global Stabilization of Chaotic Systems and Its Application to Vaidyanathan Jerk System. Studies in Computational Intelligence, 2016, , 537-552.	0.7	0
141	Adaptive Control and Synchronization of a Rod-Type Plasma Torch Chaotic System via Backstepping Control Method. Studies in Computational Intelligence, 2016, , 553-578.	0.7	1
142	Analysis, Adaptive Control and Synchronization of a Novel 3-D Chaotic System with a Quartic Nonlinearity. Studies in Computational Intelligence, 2016, , 579-600.	0.7	0
143	A Novel Hyperjerk System with Two Quadratic Nonlinearities and Its Adaptive Control. Studies in Computational Intelligence, 2016, , 59-83.	0.7	0
144	A Novel Conservative Jerk Chaotic System With Two Cubic Nonlinearities and Its Adaptive Backstepping Control. Studies in Computational Intelligence, 2016, , 85-108.	0.7	3

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145	Adaptive Backstepping Control, Synchronization and Circuit Simulation of a Novel Jerk Chaotic System with a Quartic Nonlinearity. Studies in Computational Intelligence, 2016, , 109-135.	0.7	4
146	A Seven-Term Novel Jerk Chaotic System and Its Adaptive Control. Studies in Computational Intelligence, 2016, , 137-161.	0.7	0
147	Adaptive Control and Circuit Simulation of a Novel 4-D Hyperchaotic System with Two Quadratic Nonlinearities. Studies in Computational Intelligence, 2016, , 163-187.	0.7	1
148	Qualitative Analysis and Adaptive Control of a Novel 4-D Hyperchaotic System. Studies in Computational Intelligence, 2016, , 211-233.	0.7	0
149	Active Controller Design for the Output Regulation of Vaidyanathan Hyperjerk System. Studies in Computational Intelligence, 2016, , 185-209.	0.7	0
150	Anti-synchronization of Hyperchaotic Systems via Novel Sliding Mode Control and Its Application to Vaidyanathan Hyperjerk System. Studies in Computational Intelligence, 2016, , 143-158.	0.7	1
151	A novel memristive time–delay chaotic system without equilibrium points. European Physical Journal: Special Topics, 2016, 225, 127-136.	1.2	105
152	A new four-scroll chaotic attractor and its engineering applications. Optik, 2016, 127, 5491-5499.	1.4	138
153	Fuzzy Control-Based Function Synchronization of Unknown Chaotic Systems with Dead-Zone Input. Studies in Fuzziness and Soft Computing, 2016, , 699-718.	0.6	25
154	A No-Equilibrium Novel 4-D Highly Hyperchaotic System with Four Quadratic Nonlinearities and Its Adaptive Control. Studies in Computational Intelligence, 2016, , 235-258.	0.7	4
155	Dynamics, Synchronization and SPICE Implementation of a Memristive System with Hidden Hyperchaotic Attractor. Studies in Fuzziness and Soft Computing, 2016, , 35-52.	0.6	15
156	A Novel Design Approach of a Nonlinear Resistor Based on a Memristor Emulator. Studies in Fuzziness and Soft Computing, 2016, , 3-34.	0.6	11
157	Adaptive Backstepping Control and Synchronization of a Novel 3-D Jerk System with an Exponential Nonlinearity. Studies in Fuzziness and Soft Computing, 2016, , 249-274.	0.6	31
158	Generalized Projective Synchronization of a Novel Hyperchaotic Four-Wing System via Adaptive Control Method. Studies in Fuzziness and Soft Computing, 2016, , 275-296.	0.6	39
159	Hyperchaos, Control, Synchronization and Circuit Simulation of a Novel 4-D Hyperchaotic System with Three Quadratic Nonlinearities. Studies in Fuzziness and Soft Computing, 2016, , 297-325.	0.6	7
160	Dynamic Analysis, Adaptive Control and Synchronization of a Novel Highly Chaotic System with Four Quadratic Nonlinearities. Studies in Fuzziness and Soft Computing, 2016, , 405-428.	0.6	3
161	A Novel 2-D Chaotic Enzymes-Substrates Reaction System and Its Adaptive Backstepping Control. Studies in Fuzziness and Soft Computing, 2016, , 507-528.	0.6	3
162	Analysis, Adaptive Control and Synchronization of a Novel 3-D Chaotic System with a Quartic Nonlinearity and Two Quadratic Nonlinearities. Studies in Fuzziness and Soft Computing, 2016, , 429-453.	0.6	3

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163	Qualitative Analysis and Properties of a Novel 4-D Hyperchaotic System with Two Quadratic Nonlinearities and Its Adaptive Control. Studies in Fuzziness and Soft Computing, 2016, , 455-480.	0.6	6
164	Dynamic Analysis, Adaptive Feedback Control and Synchronization of An Eight-Term 3-D Novel Chaotic System with Three Quadratic Nonlinearities. Studies in Fuzziness and Soft Computing, 2016, , 155-178.	0.6	34
165	Qualitative Study and Adaptive Control of a Novel 4-D Hyperchaotic System withÂThree Quadratic Nonlinearities. Studies in Fuzziness and Soft Computing, 2016, , 179-202.	0.6	31
166	Adaptive Control and Synchronization ofÂHalvorsen Circulant Chaotic Systems. Studies in Fuzziness and Soft Computing, 2016, , 225-247.	0.6	37
167	Complete Synchronization of Hyperchaotic Systems via Novel Sliding Mode Control. Studies in Fuzziness and Soft Computing, 2016, , 327-347.	0.6	5
168	Global Chaos Synchronization of a Novel 3-D Chaotic System with Two Quadratic Nonlinearities via Active and Adaptive Control. Studies in Fuzziness and Soft Computing, 2016, , 481-506.	0.6	5
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