Her-Terng Yau

List of Publications by Year
in descending order

171 papers	3,162 citations	136740 32 h-index	189595 50 g-index
175 all docs	175 docs citations	175 times ranked	2155 citing authors

#	Article	IF	Citations
1	Design of adaptive sliding mode controller for chaos synchronization with uncertainties. Chaos, Solitons and Fractals, 2004, 22, 341-347.	2.5	268
2	Control of chaos in Lorenz system. Chaos, Solitons and Fractals, 2002, 13, 767-780.	2.5	114
3	Chaos synchronization of two uncertain chaotic nonlinear gyros using fuzzy sliding mode control. Mechanical Systems and Signal Processing, 2008, 22, 408-418.	4.4	109
4	Chattering-free fuzzy sliding-mode control strategy for uncertain chaotic systems. Chaos, Solitons and Fractals, 2006, 30, 709-718.	2.5	106
5	Chaos synchronization using fuzzy logic controller. Nonlinear Analysis: Real World Applications, 2008, 9, 1800-1810.	0.9	106
6	Identification and Compensation of Nonlinear Friction Characteristics and Precision Control for a Linear Motor Stage. IEEE/ASME Transactions on Mechatronics, 2013, 18, 1385-1396.	3.7	95
7	SLIDING MODE CONTROL OF CHAOTIC SYSTEMS WITH UNCERTAINTIES. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2000, 10, 1139-1147.	0.7	85
8	Chaos synchronization of different chaotic systems subjected to input nonlinearity. Applied Mathematics and Computation, 2008, 197, 775-788.	1.4	85
9	Design of sliding mode controller for Lorenz chaotic system with nonlinear input. Chaos, Solitons and Fractals, 2004, 19, 891-898.	2.5	73
10	Fractional-Order Chaotic Self-Synchronization-Based Tracking Faults Diagnosis of Ball Bearing Systems. IEEE Transactions on Industrial Electronics, 2016, 63, 3824-3833.	5.2	65
11	Fuzzy Sliding Mode Control for a Class of Chaos Synchronization with Uncertainties. International Journal of Nonlinear Sciences and Numerical Simulation, 2006, 7, .	0.4	64
12	Title is missing!. Nonlinear Dynamics, 1998, 16, 71-90.	2.7	60
13	Chaos control of Lorenz systems using adaptive controller with input saturation. Chaos, Solitons and Fractals, 2007, 34, 1567-1574.	2.5	59
14	Nonlinear analysis and control of the uncertain micro-electro-mechanical system by using a fuzzy sliding mode control design. Computers and Mathematics With Applications, 2011, 61, 1912-1916.	1.4	55
15	Chaos control in AFM system using sliding mode control by backstepping design. Communications in Nonlinear Science and Numerical Simulation, 2010, 15, 741-751.	1.7	49
16	Performance Analysis and Optimization of a Solar Powered Stirling Engine with Heat Transfer Considerations. Energies, 2012, 5, 3573-3585.	1.6	49
17	High-order sliding mode controller with backstepping design for aeroelastic systems. Communications in Nonlinear Science and Numerical Simulation, 2012, 17, 1813-1823.	1.7	45
18	Photovoltaic Energy Conversion System Fault Detection Using Fractional-Order Color Relation Classifier in Microdistribution Systems. IEEE Transactions on Smart Grid, 2017, 8, 1163-1172.	6.2	45

#	Article	IF	Citations
19	Adaptive sliding mode control of a high-precision ball-screw-driven stage. Nonlinear Analysis: Real World Applications, 2009, 10, 1480-1489.	0.9	44
20	Nonlinear dynamic analysis and sliding mode control for a gyroscope system. Nonlinear Dynamics, 2011, 66, 53-65.	2.7	44
21	Design and implementation of FPGA-based Taguchi-chaos-PSO sun tracking systems. Mechatronics, 2015, 25, 55-64.	2.0	43
22	A novel variable step size fractional order incremental conductance algorithm to maximize power tracking of fuel cells. Applied Mathematical Modelling, 2017, 45, 1067-1075.	2.2	43
23	Comparison of Extremum-Seeking Control Techniques for Maximum Power Point Tracking in Photovoltaic Systems. Energies, 2011, 4, 2180-2195.	1.6	41
24	Synchronization of unidirectional coupled chaotic systems with unknown channel time-delay: Adaptive robust observer-based approach. Chaos, Solitons and Fractals, 2005, 26, 971-978.	2.5	40
25	Synchronization and anti-synchronization coexist in two-degree-of-freedom dissipative gyroscope with nonlinear inputs. Nonlinear Analysis: Real World Applications, 2008, 9, 2253-2261.	0.9	39
26	Chaos suppression control of a coronary artery system with uncertainties by using variable structure control. Computers and Mathematics With Applications, 2012, 64, 988-995.	1.4	39
27	Using Self-Synchronization Error Dynamics Formulation Based Controller for Maximum Photovoltaic Power Tracking in Micro-Grid Systems. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2013, 3, 459-467.	2.7	39
28	SYNCHRONIZATION CONTROL FOR A CLASS OF CHAOTIC SYSTEMS WITH UNCERTAINTIES. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2005, 15, 2235-2246.	0.7	38
29	Generalized projective chaos synchronization of gyroscope systems subjected to dead-zone nonlinear inputs. Physics Letters, Section A: General, Atomic and Solid State Physics, 2008, 372, 2380-2385.	0.9	37
30	Theoretical analysis of the non-linear behavior of a flexible rotor supported by herringbone grooved gas journal bearings. Tribology International, 2007, 40, 533-541.	3.0	36
31	Nonlinear rule-based controller for chaos synchronization of two gyros with linear-plus-cubic damping†. Chaos, Solitons and Fractals, 2007, 34, 1357-1365.	2.5	36
32	Terminal sliding mode control for aeroelastic systems. Nonlinear Dynamics, 2012, 70, 2015-2026.	2.7	36
33	Application of a hybrid numerical method to the bifurcation analysis of a rigid rotor supported by a spherical gas journal bearing system. Nonlinear Dynamics, 2008, 51, 515-528.	2.7	33
34	Design and Study on Sliding Mode Extremum Seeking Control of the Chaos Embedded Particle Swarm Optimization for Maximum Power Point Tracking in Wind Power Systems. Energies, 2014, 7, 1706-1720.	1.6	30
35	Design of Extended Backstepping Sliding Mode Controller for Uncertain Chaotic Systems. International Journal of Nonlinear Sciences and Numerical Simulation, 2007, 8, .	0.4	28
36	Nonlinear dynamic analysis of a hybrid squeeze-film damper-mounted rigid rotor lubricated with couple stress fluid and active control. Applied Mathematical Modelling, 2010, 34, 2493-2507.	2.2	27

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37	Maximum power point tracking and optimal Li-ion battery charging control for photovoltaic charging system. Computers and Mathematics With Applications, 2012, 64, 822-832.	1.4	27
38	Theoretical analysis of high speed spindle air bearings by a hybrid numerical method. Applied Mathematics and Computation, 2010, 217, 2084-2096.	1.4	25
39	Generalized Projective Synchronization for the Horizontal Platform Systems via an Integral-type Sliding Mode Control. JVC/Journal of Vibration and Control, 2011, 17, 11-17.	1.5	25
40	Fuzzy logic combining controller design for chaos control of a rod-type plasma torch system. Expert Systems With Applications, 2010, 37, 8278-8283.	4.4	24
41	Suppression of chaotic behavior in horizontal platform systems based on an adaptive sliding mode control scheme. Communications in Nonlinear Science and Numerical Simulation, 2011, 16, 133-143.	1.7	24
42	A Maximum Entropy-Based Chaotic Time-Variant Fragile Watermarking Scheme for Image Tampering Detection. Entropy, 2013, 15, 3170-3185.	1.1	22
43	Application of Chaos Synchronization Technique and Pattern Clustering for Diagnosis Analysis of Partial Discharge in Power Cables. IEEE Access, 2019, 7, 76185-76193.	2.6	22
44	A numerical investigation into electroosmotic flow in microchannels with complex wavy surfaces. Thermal Science, 2011, 15, 87-94.	0.5	20
45	Enhancement of natural convection heat transfer in a U-shaped cavity filled with Al2O3-water nanofluid. Thermal Science, 2012, 16, 1317-1323.	0.5	20
46	Bluetooth Based Chaos Synchronization Using Particle Swarm Optimization and Its Applications to Image Encryption. Sensors, 2012, 12, 7468-7484.	2.1	20
47	PSO Based PI Controller Design for a Solar Charger System. Scientific World Journal, The, 2013, 2013, 1-13.	0.8	20
48	Fuzzy sliding mode controller design for maximum power point tracking control of a solar energy system. Transactions of the Institute of Measurement and Control, 2012, 34, 557-565.	1.1	19
49	Research and Development of a Chaotic Signal Synchronization Error Dynamics-Based Ball Bearing Fault Diagnostor. Entropy, 2014, 16, 5358-5376.	1.1	19
50	Chaotic eye€based fault forecasting method for wind power systems. IET Renewable Power Generation, 2015, 9, 593-599.	1.7	19
51	Ball bearing test€rig research and fault diagnosis investigation. IET Science, Measurement and Technology, 2016, 10, 259-265.	0.9	19
52	A Linear Regression Thermal Displacement Lathe Spindle Model. Energies, 2020, 13, 949.	1.6	18
53	Robust controlling hyperchaos of the Rössler system subject to input nonlinearities by using sliding mode control. Chaos, Solitons and Fractals, 2007, 33, 1767-1776.	2.5	17
54	Robust decentralized adaptive control for uncertain large-scale delayed systems with input nonlinearities. Chaos, Solitons and Fractals, 2009, 39, 1515-1521.	2.5	17

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55	System Identification and Semiactive Control of a Squeeze-Mode Magnetorheological Damper. IEEE/ASME Transactions on Mechatronics, 2013, 18, 1691-1701.	3.7	17
56	Sliding Mode Extremum Seeking Control Scheme Based on PSO for Maximum Power Point Tracking in Photovoltaic Systems. International Journal of Photoenergy, 2013, 2013, 1-10.	1.4	17
57	Numerical Investigation into Natural Convection and Entropy Generation in a Nanofluid-Filled U-Shaped Cavity. Entropy, 2015, 17, 5980-5994.	1.1	16
58	Machine Tool Chatter Identification Based on Dynamic Errors of Different Self-Synchronized Chaotic Systems of Various Fractional Orders. IEEE Access, 2019, 7, 67278-67286.	2.6	15
59	A Study on the Application of Synchronized Chaotic Systems of Different Fractional Orders for Cutting Tool Wear Diagnosis and Identification. IEEE Access, 2019, 7, 15903-15911.	2.6	15
60	Emotion-Specific Facial Activation Maps Based on Infrared Thermal Image Sequences. IEEE Access, 2019, 7, 48046-48052.	2.6	15
61	Tracking Control of Pneumatic Artificial Muscle-Activated Robot Arm Based on Sliding-Mode Control. Actuators, 2021, 10, 66.	1.2	15
62	New Power Quality Analysis Method Based on Chaos Synchronization and Extension Neural Network. Energies, 2014, 7, 6340-6357.	1.6	13
63	A New Fractional-Order Based Intelligent Maximum Power Point Tracking Control Algorithm for Photovoltaic Power Systems. International Journal of Photoenergy, 2015, 2015, 1-8.	1.4	13
64	Using Polar Expression Features and Nonlinear Machine Learning Classifier for Automated Parkinsonâ€™s Disease Screening. IEEE Sensors Journal, 2020, 20, 501-514.	2.4	13
65	Bifurcation in a Flexible Rotor Supported by Short Journal Bearings With Nonlinear Suspension. JVC/Journal of Vibration and Control, 2001, 7, 653-673.	1.5	12
66	Application of the differential transformation method to bifurcation and chaotic analysis of an AFM probe tip. Computers and Mathematics With Applications, 2011, 61, 1957-1962.	1.4	12
67	Chaos Synchronization Error Technique-Based Defect Pattern Recognition for GIS through Partial Discharge Signal Analysis. Entropy, 2014, 16, 4566-4582.	1.1	12
68	Fractional order Sprott chaos synchronisationâ€‘based realâ€‘time extension power quality detection method. IET Generation, Transmission and Distribution, 2015, 9, 2775-2781.	1.4	12
69	A New Methodology of Soil Salinization Degree Classification by Probability Neural Network Model Based on Centroid of Fractional Lorenz Chaos Self-Synchronization Error Dynamics. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 799-810.	2.7	12
70	Bifurcation and Chaotic Analysis of Aeroelastic Systems. Journal of Computational and Nonlinear Dynamics, 2014, 9, .	0.7	11
71	Implementation of FPGA-Based Charge Control for a Self-Sufficient Solar Tracking Power Supply System. Applied Sciences (Switzerland), 2016, 6, 41.	1.3	11
72	Intelligent Ball Bearing Fault Diagnosis Using Fractional Lorenz Chaos Extension Detection. Sensors, 2018, 18, 3069.	2.1	11

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73	Signal clustering of power disturbance by using chaos synchronization. International Journal of Electrical Power and Energy Systems, 2015, 64, 112-120.	3.3	10
74	Analysis of nonlinear dynamic behavior of atomic force microscope using differential transformation method. Acta Mechanica, 2008, 198, 87-98.	1.1	9
75	Numerical investigation into natural convection heat transfer enhancement of copper-water nanofluid in a wavy wall enclosure. Thermal Science, 2012, 16, 1309-1316.	0.5	9
76	Analyses and Control of Chaotic Behavior in DC-DC Converters. Mathematical Problems in Engineering, 2018, 2018, 1-13.	0.6	9
77	Fractional Order Chaos Synchronization for Real-Time Intelligent Diagnosis of Islanding in Solar Power Grid Systems. Energies, 2018, 11, 1183.	1.6	9
78	Inspection on Ball Bearing Malfunction by Chen-Lee Chaos System. IEEE Access, 2020, 8, 28267-28275.	2.6	9
79	Memoryless Adaptive Variable Structure Control of Time-Delayed Systems with Unknown Bounded Uncertainties. International Journal of Nonlinear Sciences and Numerical Simulation, 2005, 6, .	0.4	8
80	Extension Sliding Mode Controller for Maximum Power Point Tracking of Hydrogen Fuel Cells. Abstract and Applied Analysis, 2013, 2013, 1-8.	0.3	8
81	Development of a Fractional Order Chaos Synchronization Dynamic Error Detector for Maximum Power Point Tracking of Photovoltaic Power Systems. Applied Sciences (Switzerland), 2015, 5, 1117-1133.	1.3	8
82	Mixing of electrokinetically-driven power-law fluids in zigzag microchannels. International Journal of Numerical Methods for Heat and Fluid Flow, 2015, 25, 391-399.	1.6	8
83	Predicting spindle displacement caused by heat using the general regression neural network. International Journal of Advanced Manufacturing Technology, 2019, 104, 4665-4674.	1.5	8
84	Subharmonic and Chaotic Motions of a Hybrid Squeeze-Film Damper-Mounted Rigid Rotor With Active Control. Journal of Vibration and Acoustics, Transactions of the ASME, 2002, 124, 198-208.	1.0	8
85	Design and Implement of a Digital PID Controller for a Chaos Synchronization System by Evolutionary Programming. Journal of Applied Sciences, 2008, 8, 2420-2427.	0.1	8
86	Application of a Chaotic Synchronization System to Secure Communication. Information Technology and Control, 2012, 41, .	1.1	8
87	Nonlinear numerical analysis of a flexible rotor equipped with squeeze couple stress fluid film journal bearings. Acta Mechanica Solida Sinica, 2007, 20, 309-316.	1.0	7
88	Robust Control Method Applied in Self-Balancing Two-Wheeled Robot. , 2009, , .		7
89	Enhancement of microfluidic mixing using harmonic and chaotic electric fields. International Journal of Nonlinear Sciences and Numerical Simulation, 2009, 10, 1545-1554.	0.4	7
90	An FPGA-Based PID Controller Design for Chaos Synchronization by Evolutionary Programming. Discrete Dynamics in Nature and Society, 2011, 2011, 1-11.	0.5	7

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91	Bearing Fault Diagnosis Based on Chaotic Dynamic Errors in Key Components. IEEE Access, 2021, 9, 53509-53517.	2.6	7
92	Research on the Recognition of Machining Conditions Based on Sound and Vibration Signals of a CNC Milling Machine. IEEE Sensors Journal, 2022, 22, 6364-6377.	2.4	7
93	Chaotic Analysis and Control of Microcandilevers with PD Feedback Using Differential Transformation Method. International Journal of Nonlinear Sciences and Numerical Simulation, 2009, 10, .	0.4	6
94	Bifurcation and chaos analysis of atomic force microscope system. Microsystem Technologies, 2013, 19, 1795-1805.	1.2	6
95	Bifurcation Analysis of Bearing Number in Ultra Short Gas Bearing System. Smart Science, 2013, 1, 18-24.	1.9	6
96	Prediction of Spindle Thermal Deformation and Displacement Using Back Propagation Neural Network. Sensors and Materials, 2020, 32, 431.	0.3	6
97	Chaos and bifurcation analysis of a flexible rotor supported by short journal bearings with non-linear suspension. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2000, 214, 931-947.	1.1	5
98	Robust Controller Design for Modified Projective Synchronization of Chen-Lee Chaotic Systems with Nonlinear Inputs. Mathematical Problems in Engineering, 2009, 2009, 1-10.	0.6	5
99	Robust Exponential Converge Controller Design for a Unified Chaotic System with Structured Uncertainties via LMI. Discrete Dynamics in Nature and Society, 2010, 2010, 1-10.	0.5	5
100	Chaos Analysis and Synchronization Control of Coronary Artery Systems. Abstract and Applied Analysis, 2013, 2013, 1-11.	0.3	5
101	Application of CMAC Neural Network to Solar Energy Heliostat Field Fault Diagnosis. International Journal of Photoenergy, 2013, 2013, 1-8.	1.4	5
102	Study on Unified Chaotic System-Based Wind Turbine Blade Fault Diagnostic System. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2015, 25, 1550042.	0.7	5
103	Particle swarm optimization used with proportionalâ€"derivative control to analyze nonlinear behavior in the atomic force microscope. Advances in Mechanical Engineering, 2016, 8, 168781401666727.	0.8	5
104	Innovative Intelligent Methodology for the Classification of Soil Salinization Degree Using a Fractional-Order Master-Slave Chaotic System. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2019, 29, 1950026.	0.7	5
105	Lathe tool chatter vibration diagnostic using general regression neural network based on Chuaâ€™s circuit and fractional-order Lorenz master/slave chaotic system. Journal of Low Frequency Noise Vibration and Active Control, 2019, 38, 953-966.	1.3	5
106	Nonlinear analysis and simulation of active hybrid aerodynamic and aerostatic bearing system. Journal of Low Frequency Noise Vibration and Active Control, 2019, 38, 1404-1421.	1.3	5
107	The Optimization of Lathe Cutting Parameters Using a Hybrid Taguchi-Genetic Algorithm. IEEE Access, 2020, 8, 169576-169584.	2.6	5
108	Simulation and experimental analysis for hysteresis behavior of a piezoelectric actuated micro stage using modified charge system search. Microsystem Technologies, 2013, 19, 1807-1815.	1.2	4

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109	Chaos embedded particle swarm optimization algorithm-based solar optimal ReflexTM frequency charge. Journal of Applied Research and Technology, 2015, 13, 321-327.	0.6	4
110	Optimization Method of IR Thermography Facial Image Registration. IEEE Access, 2019, 7, 93501-93510.	2.6	4
111	Nonlinear behavior analysis and control of the atomic force microscope and circuit implementation. Journal of Low Frequency Noise Vibration and Active Control, 2019, 38, 1576-1593.	1.3	4
112	IEEE Access Special Section Editorial: Advanced Artificial Intelligence Technologies for Smart Manufacturing. IEEE Access, 2021, 9, 119232-119234.	2.6	4
113	Study on Bandwidth Analyzed Adaptive Boosting Machine Tool Chatter Diagnosis System. IEEE Sensors Journal, 2022, 22, 8449-8459.	2.4	4
114	Electric-Hydraulic Actuator Design for a Hybrid Squeeze-Film Damper-Mounted Rigid Rotor System With Active Control. Journal of Vibration and Acoustics, Transactions of the ASME, 2006, 128, 176-183.	1.0	3
115	Fuzzy Controller Design for Atomic Force Microscope System. , 2008, , .		3
116	Intelligent control design and implementation of DC servo motor. , 2010, , .		3
117	Implementation of optimal PID control for chaos synchronization by FPGA chip. , 2011, , .		3
118	Chaotic and Subharmonic Motion Analysis of Floating Ring Gas Bearing System by Hybrid Numerical Method. Mathematical Problems in Engineering, 2013, 2013, 1-14.	0.6	3
119	Chaos Synchronization Based Novel Real-Time Intelligent Fault Diagnosis for Photovoltaic Systems. International Journal of Photoenergy, 2014, 2014, 1-9.	1.4	3
120	Multifocus Image Fusion Using a Sparse and Low-Rank Matrix Decomposition for Aviator's Night Vision Goggle. Applied Sciences (Switzerland), 2020, 10, 2178.	1.3	3
121	Design and Implementation of Optimal Fuzzy PID Controller for DC Servo Motor. Applied Mathematics and Information Sciences, 2014, 8, 231-237.	0.7	3
122	Thermal monitoring and thermal deformation prediction for spherical machine tool spindles. Thermal Science, 2019, 23, 2271-2279.	0.5	3
123	Robust Controller Design for Synchronization of Two Chaotic Circuits. Information Technology Journal, 2009, 8, 743-749.	0.3	3
124	An Optimal Model for Hysteretic Nonlinear Phenomenon in Piezoelectric Actuator via Evolutionary Programming Algorithm. International Journal of Nonlinear Sciences and Numerical Simulation, 2007, 8, .	0.4	2
125	Variable structure controller for modified projective synchronization of Chen-Lee chaotic systems with nonlinear inputs. Journal of Physics: Conference Series, 2008, 96, 012198.	0.3	2
126	Advanced Technologies in Computer, Consumer and Control. Computers and Mathematics With Applications, 2012, 64, 687.	1.4	2

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127	Chaotic Extension Neural Network-Based Fault Diagnosis Method for Solar Photovoltaic Systems. Mathematical Problems in Engineering, 2014, 2014, 1-9.	0.6	2
128	Chaotic Extension Neural Network Theory-Based XXY Stage Collision Fault Detection Using a Single Accelerometer Sensor. Sensors, 2014, 14, 21549-21564.	2.1	2
129	Study on Real-time Extension Fault Detection for a XXY Stage by using Chaos Synchronization. Journal of Applied Research and Technology, 2015, 13, 305-312.	0.6	2
130	Numerical computation and nonlinear dynamic analysis of ultrasonic cutting system. Computers and Electrical Engineering, 2016, 51, 270-283.	3.0	2
131	Control circuit design and chaos analysis in an ultrasonic machining system. Engineering Computations, 2017, 34, 2189-2211.	0.7	2
132	Classifying and Predicting Salinization Level in Arid Area Soil Using a Combination of Chua€™s Circuit and Fractional Order Sprott Chaotic System. Sensors, 2019, 19, 4517.	2.1	2
133	Optimizing Back Propagation Neural Network Parameters to Judge Fault Types of Ball Bearings. Sensors and Materials, 2020, 32, 417.	0.3	2
134	Analysis of the correlation between infrared thermal sequence images of nostril area and respiratory rate. IET Image Processing, 2020, 14, 3089-3094.	1.4	2
135	Decentralized Adaptive Control for Large-Scale Singular Systems with Series Nonlinearities. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2004, 37, 49-54.	0.4	1
136	Application of Hybrid Method to the Quasi-Periodic Analysis of Micro Gas Journal Bearing System. , 2008, , .		1
137	Design of sliding mode controller for AFM system by backstepping design. , 2009, , .		1
138	Application of DT method to bifurcation analysis of microcandilevers with proportional-plus-derivative control. , 2009, , .		1
139	Non-linear dynamic analysis of hybrid squeeze-film damper-mounted gear-bearing system and hydraulic active control. Proceedings of the Institution of Mechanical Engineers, Part K: Journal of Multi-body Dynamics, 2010, 224, 249-259.	0.5	1
140	Application of lattice Boltzmann method and field synergy principle to the heat transfer analysis of channel flow with obstacles inside. Thermal Science, 2011, 15, 75-80.	0.5	1
141	Circuit Implementation of Coronary Artery Chaos Phenomenon and Optimal PID Synchronization Controller Design. Mathematical Problems in Engineering, 2012, 2012, 1-13.	0.6	1
142	Fuzzy sliding mode control for a gyroscope system. , 2012, , .		1
143	Bifurcation Analysis of Trailing Edge Angle for Aeroelastic System. , 2012, , .		1
144	Application of hybrid microwave thermal extraction techniques for mulberry root bark. Thermal Science, 2013, 17, 1311-1315.	0.5	1

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145	Diagnosis of Short-Circuit Fault in Large-Scale Permanent-Magnet Wind Power Generator Based on CMAC. Mathematical Problems in Engineering, 2013, 2013, 1-7.	0.6	1
146	Circuit Implementation and Synchronization Control of Chaotic Horizontal Platform Systems by Wireless Sensors. Mathematical Problems in Engineering, 2013, 2013, 1-6.	0.6	1
147	EXPERIMENTAL INVESTIGATIONS OF MPPT IN A SMALL SCALE PHOTOVOLTAIC ENERGY SYSTEM BASED ON EXTREMUM SEEKING CONTROL. Transactions of the Canadian Society for Mechanical Engineering, 2013, 37, 1001-1012.	0.3	1
148	Application of Extension Sliding Mode Strategy to Maximum Power Point Tracking in Human Power Generation Systems. Applied Sciences (Switzerland), 2015, 5, 259-274.	1.3	1
149	Active controller design for precision computerized numerical control machine tool systems. Journal of Low Frequency Noise Vibration and Active Control, 2019, 38, 1149-1159.	1.3	1
150	Sliding Mode Controller Design of a Self-Balancing Two-Wheeled Robot. Advanced Science Letters, 2012, 9, 609-613.	0.2	1
151	Effect of coffee reduction on constituent concentration in an energy-efficient process of ultrasonic extraction. Thermal Science, 2015, 19, 1373-1377.	0.5	1
152	Optimization of Lathe Cutting Parameters Using Taguchi Method and Grey Relational Analysis. Sensors and Materials, 2020, 32, 843.	0.3	1
153	Application of DT method to the nonlinear analysis of microcantilever-sample interaction in AFM. , 2008, , .		0
154	Maximum power extraction with numerical grey relational analysis sensorless controller for wind-turbine generator. , 2008, , .		0
155	Bifurcation analysis of a relative short spherical aerodynamic journal bearing system. Journal of Physics: Conference Series, 2008, 96, 012099.	0.3	0
156	Chaos suppression control of horizontal platform system with parametric uncertainties. , 2009, , .		0
157	Adaptive Fuzzy Sliding Mode Controller Design for Lorenz System. , 2009, , .		0
158	Nonlinear Dynamic Analysis of Earthquake Model. , 2009, , .		0
159	Influence of the bearing number on micro gas bearing system. , 2009, , .		0
160	Bifurcation and Chaos Analysis of a Relative Short Spherical Air Bearing System via a Novel Hybrid Method. , 2009, , .		0
161	Numerical simulation of an electrokinetic micromixer using harmonic and chaotic electric fields. , 2009, , .		0
162	An LMI Approach to Robust Exponential Stabilizing Controller Design for a Class of Structured Uncertain Unified Chaotic Systems. , 2009, , .		0

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163	High Order Sliding Mode Control for Discrete-Time systems with External Disturbances. International Journal of Nonlinear Sciences and Numerical Simulation, 2010, 11, .	0.4	0
164	System Simulation and Control in Engineering. Mathematical Problems in Engineering, 2014, 2014, 1-1.	0.6	0
165	Influence of bearing number on high speed air rotor bearing systems. , 2016, , .		0
166	Chaotic control and circuit implementation of the Atomic Force Microscope system. , 2017, , .		0
167	An Automatic Intelligent Diagnostic Mechanism for the Milling Cutter Wear. IEEE Access, 2020, 8, 199359-199368.	2.6	0
168	Estimation of Low Organic Matter Content in Desert Soil of Arid Area Based on Fractional Order Sprott Chaotic Circuit and Gray Theory. IEEE Access, 2020, 8, 25001-25013.	2.6	0
169	Soil Salinization Level Monitoring and Classifying by Mixed Chaotic Systems. Remote Sensing, 2021, 13, 3819.	1.8	0
170	Synchronization between Two Different Hyperchaotic Systems Containing Nonlinear Inputs. Communications in Computer and Information Science, 2007, , 133-141.	0.4	0
171	Design of Fuzzy Logic Controller for Chaos Synchronization. , 0, , 123-127.		0