

# Shaohua Luo

## List of Publications by Year in descending order

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32  
papers

472  
citations

686830

13  
h-index

752256

20  
g-index

32  
all docs

32  
docs citations

32  
times ranked

384  
citing authors

#	ARTICLE	IF	CITATIONS
1	Chaos Analysis-Based Adaptive Backstepping Control of the Microelectromechanical Resonators With Constrained Output and Uncertain Time Delay. <i>IEEE Transactions on Industrial Electronics</i> , 2016, 63, 6217-6225.	5.2	48
2	Chaos RBF dynamics surface control of brushless DC motor with time delay based on tangent barrier Lyapunov function. <i>Nonlinear Dynamics</i> , 2014, 78, 1193-1204.	2.7	37
3	Chaos control of the permanent magnet synchronous motor with time-varying delay by using adaptive sliding mode control based on DSC. <i>Journal of the Franklin Institute</i> , 2018, 355, 4147-4163.	1.9	34
4	Adaptive backstepping optimal control of a fractional-order chaotic magnetic-field electromechanical transducer. <i>Nonlinear Dynamics</i> , 2020, 100, 523-540.	2.7	33
5	Accelerated Adaptive Fuzzy Optimal Control of Three Coupled Fractional-Order Chaotic Electromechanical Transducers. <i>IEEE Transactions on Fuzzy Systems</i> , 2021, 29, 1701-1714.	6.5	30
6	Observer-based adaptive stabilization of the fractional-order chaotic MEMS resonator. <i>Nonlinear Dynamics</i> , 2018, 92, 1079-1089.	2.7	29
7	Adaptive Synchronization of the Fractional-Order Chaotic Arch Micro-Electro-Mechanical System via Chebyshev Neural Network. <i>IEEE Sensors Journal</i> , 2018, 18, 3524-3532.	2.4	28
8	Adaptive chaos control of the fractional-order arch MEMS resonator. <i>Nonlinear Dynamics</i> , 2018, 91, 539-547.	2.7	23
9	Anti-oscillation and chaos control of the fractional-order brushless DC motor system via adaptive echo state networks. <i>Journal of the Franklin Institute</i> , 2018, 355, 6435-6453.	1.9	17
10	Dynamical analysis and accelerated optimal stabilization of the fractional-order self-sustained electromechanical seismograph system with fuzzy wavelet neural network. <i>Nonlinear Dynamics</i> , 2021, 104, 1389-1404.	2.7	17
11	Optimal Synchronization of Unidirectionally Coupled FO Chaotic Electromechanical Devices With the Hierarchical Neural Network. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2022, 33, 1192-1202.	7.2	16
12	Dynamical analysis of the fractional-order centrifugal flywheel governor system and its accelerated adaptive stabilization with the optimality. <i>International Journal of Electrical Power and Energy Systems</i> , 2020, 118, 105792.	3.3	15
13	Wheeled Mobile Robot RBFNN Dynamic Surface Control Based on Disturbance Observer. <i>ISRN Applied Mathematics</i> , 2014, 2014, 1-9.	0.5	13
14	Chaos control of the brushless direct current motor using adaptive dynamic surface control based on neural network with the minimum weights. <i>Chaos</i> , 2015, 25, 073102.	1.0	13
15	Chaos control of the micro-electro-mechanical resonator by using adaptive dynamic surface technology with extended state observer. <i>AIP Advances</i> , 2016, 6, .	0.6	13
16	Chaos analysis and stability control of the MEMS resonator via the type-2 sequential FNN. <i>Microsystem Technologies</i> , 2021, 27, 173-182.	1.2	12
17	Adaptive fuzzy dynamic surface control for the chaotic permanent magnet synchronous motor using Nussbaum gain. <i>Chaos</i> , 2014, 24, 033135.	1.0	11
18	Event-triggered neural adaptive backstepping control of the K chaotic PMSGs coupled system. <i>International Journal of Electrical Power and Energy Systems</i> , 2022, 135, 107475.	3.3	11

#	ARTICLE	IF	CITATIONS
19	Dynamical analysis and chaos control of MEMS resonators by using the analog circuit. <i>Nonlinear Dynamics</i> , 2022, 108, 97-112.	2.7	11
20	Chaos and Adaptive Control of the Fractional-Order Magnetic-Field Electromechanical Transducer. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2017, 27, 1750203.	0.7	10
21	Dynamic analysis, circuit realization and accelerated adaptive backstepping control of the FO MEMS gyroscope. <i>Chaos, Solitons and Fractals</i> , 2022, 155, 111735.	2.5	10
22	Dynamical analysis and anti-oscillation-based adaptive control of the FO arch MEMS with optimality. <i>Nonlinear Dynamics</i> , 2020, 101, 293-309.	2.7	8
23	Neuroadaptive Optimal Fixed-Time Synchronization and its Circuit Realization for Unidirectionally Coupled FO Self-Sustained Electromechanical Seismograph Systems. <i>IEEE Transactions on Cybernetics</i> , 2023, 53, 2454-2466.	6.2	8
24	Performance enhanced design of chaos controller for the mechanical centrifugal flywheel governor system via adaptive dynamic surface control. <i>AIP Advances</i> , 2016, 6, 095217.	0.6	7
25	Chaotic Behavior and Adaptive Control of the Arch MEMS Resonator With State Constraint and Sector Input. <i>IEEE Sensors Journal</i> , 2018, 18, 6986-6995.	2.4	6
26	Chaos control for the output-constrained system by using adaptive dynamic surface technology and application to the brushless DC motor. <i>AIP Advances</i> , 2015, 5, 127105.	0.6	5
27	Chaos and Nonlinear Feedback Control of the Arch Micro-Electro-Mechanical System. <i>Journal of Systems Science and Complexity</i> , 2018, 31, 1510-1524.	1.6	5
28	Adaptive Fuzzy Control for Active Suspension Systems with Time-Varying Displacement and Speed Constraints. , 2021, , .		1
29	LQG Control of Vehicle Active Suspension Using Whale Optimization Algorithm. , 2021, , .		1
30	Anti-Oscillation Control of the Chaotic MEMS Resonator with Dead-Zone Input and Output Constraint. <i>Recent Patents on Mechanical Engineering</i> , 2018, 11, 146-154.	0.2	0
31	Adaptive Backstepping Control of the PMSG Based on the T2SFNN. , 2020, , .		0
32	Accelerated adaptive stability control of the fractional-order MEMS resonator. , 2020, , .		0