

# Ngoc Son Nguyen

## List of Publications by Year in descending order

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Version: 2024-02-01

32  
papers

395  
citations

933264

10  
h-index

794469

19  
g-index

33  
all docs

33  
docs citations

33  
times ranked

392  
citing authors

#	ARTICLE	IF	CITATIONS
1	A novel adaptive feed-forward-PID controller of a SCARA parallel robot using pneumatic artificial muscle actuator based on neural network and modified differential evolution algorithm. <i>Robotics and Autonomous Systems</i> , 2017, 96, 65-80.	3.0	57
2	Parameters identification of Bouc-Wen hysteresis model for piezoelectric actuators using hybrid adaptive differential evolution and Jaya algorithm. <i>Engineering Applications of Artificial Intelligence</i> , 2020, 87, 103317.	4.3	57
3	Parameters extraction of solar cells using modified JAYA algorithm. <i>Optik</i> , 2020, 203, 164034.	1.4	51
4	Parameter identification using adaptive differential evolution algorithm applied to robust control of uncertain nonlinear systems. <i>Applied Soft Computing Journal</i> , 2018, 71, 672-684.	4.1	24
5	Adaptive Neural Compliant Force-Position Control of Serial PAM Robot. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2018, 89, 351-369.	2.0	22
6	Adaptive displacement online control of shape memory alloys actuator based on neural networks and hybrid differential evolution algorithm. <i>Neurocomputing</i> , 2015, 166, 464-474.	3.5	20
7	Adaptive Backstepping Self-balancing Control of a Two-wheel Electric Scooter. <i>International Journal of Advanced Robotic Systems</i> , 2014, 11, 165.	1.3	18
8	A neural differential evolution identification approach to nonlinear systems and modelling of shape memory alloy actuator. <i>Asian Journal of Control</i> , 2018, 20, 57-70.	1.9	13
9	New approach of sliding mode control for nonlinear uncertain pneumatic artificial muscle manipulator enhanced with adaptive fuzzy estimator. <i>International Journal of Advanced Robotic Systems</i> , 2018, 15, 172988141877320.	1.3	12
10	Uncertain nonlinear system identification using Jaya-based adaptive neural network. <i>Soft Computing</i> , 2020, 24, 17123-17132.	2.1	12
11	Level Control of Quadruple Tank System Based on Adaptive Inverse Evolutionary Neural Controller. <i>International Journal of Control, Automation and Systems</i> , 2020, 18, 2386-2397.	1.6	12
12	Inverse kinematics solution for robot manipulator based on adaptive MIMO neural network model optimized by hybrid differential evolution algorithm. , 2014, , .		11
13	Adaptive neural model optimized by modified differential evolution for identifying 5-DOF robot manipulator dynamic system. <i>Soft Computing</i> , 2018, 22, 979-988.	2.1	10
14	Adaptive inverse multilayer fuzzy control for uncertain nonlinear system optimizing with differential evolution algorithm. <i>Applied Intelligence</i> , 2021, 51, 527-548.	3.3	9
15	Robot manipulator identification based on adaptive multiple-input and multiple-output neural model optimized by advanced differential evolution algorithm. <i>International Journal of Advanced Robotic Systems</i> , 2017, 14, 172988141667769.	1.3	8
16	Adaptive sliding mode control with hysteresis compensation-based neuroevolution for motion tracking of piezoelectric actuator. <i>Applied Soft Computing Journal</i> , 2022, 115, 108257.	4.1	8
17	Adaptive evolutionary neural control of perturbed nonlinear serial PAM robot. <i>Neurocomputing</i> , 2017, 267, 525-544.	3.5	7
18	Identification of 2-DOF pneumatic artificial muscle system with multilayer fuzzy logic and differential evolution algorithm. , 2017, , .		7

#	ARTICLE	IF	CITATIONS
19	Adaptive Fuzzy Sliding Mode Control for Nonlinear Uncertain SISO System Optimized by Differential Evolution Algorithm. International Journal of Fuzzy Systems, 2019, 21, 755-768.	2.3	7
20	Uncertain nonlinear system control using hybrid fuzzy LQR-sliding mode technique optimized with evolutionary algorithm. Engineering Computations, 2019, 36, 1893-1912.	0.7	4
21	Parameter estimation of Pendubot model using modified differential evolution algorithm. International Journal of Modelling and Simulation, 2019, 39, 157-165.	2.3	4
22	Inverse-adaptive multilayer fuzzy controller for uncertain nonlinear system optimized by differential evolution algorithm. Soft Computing, 2020, 24, 14073-14089.	2.1	3
23	Deterministic and reliability-based lightweight design of Timoshenko composite beams. Engineering With Computers, 2020, 37, 2329.	3.5	3
24	Hysteresis modelling and compensation for piezoelectric actuator using Jaya-BP neural network. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2021, 235, 7836-7847.	1.1	3
25	A Stable Lyapunov Approach of Advanced Sliding Mode Control for Swing up and Robust Balancing Implementation for the Pendubot System. Lecture Notes in Electrical Engineering, 2016, , 411-425.	0.3	3
26	Event-Triggered Sliding Mode Control With Hysteresis for Motion Tracking of Piezoelectric Actuated Stage. IEEE Access, 2022, 10, 65309-65314.	2.6	3
27	Hysteresis Identification of Piezoelectric Actuator Using Neural Network Trained By Jaya Algorithm. , 2019, , .		2
28	Multi-View Digital Mammography Mass Classification: A Convolutional Neural Network Model Approach. , 2021, , .		2
29	Adaptive MIMO Fuzzy Controller for Double Coupled Tank System optimizing by Jaya Algorithm. , 2020, , .		2
30	Parallel Multi-Population Technique for Meta-Heuristic Algorithms on Multi Core Processor. , 2020, , .		1
31	A Novel Advanced Controller for Robust Stability of High Order Plants with Time-Delay and Uncertainty. Lecture Notes in Electrical Engineering, 2016, , 399-409.	0.3	0
32	Black-box modeling of nonlinear system using evolutionary neural NARX model. International Journal of Electrical and Computer Engineering, 2019, 9, 1861.	0.5	0