Ho Pham Huy Anh

List of Publications by Year
in descending order

95 papers	872 citations	686830 13 h-index	580395 25 g-index
99 all docs	99 docs citations	99 times ranked	650 citing authors

#	ARTICLE	IF	CITATIONS
1	Online tuning gain scheduling MIMO neural PID control of the 2-axes pneumatic artificial muscle (PAM) robot arm. Expert Systems With Applications, 2010, 37, 6547-6560.	4.4	59
2	Hybrid control of a pneumatic artificial muscle (PAM) robot arm using an inverse NARX fuzzy model. Engineering Applications of Artificial Intelligence, 2011, 24, 697-716.	4.3	59
3	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. Robotics and Autonomous Systems, 2017, 96, 65-80.	3.0	57
4	Parameters identification of Bouc–Wen hysteresis model for piezoelectric actuators using hybrid adaptive differential evolution and Jaya algorithm. Engineering Applications of Artificial Intelligence, 2020, 87, 103317.	4.3	57
5	Identification of pneumatic artificial muscle manipulators by a MGA-based nonlinear NARX fuzzy model. Mechatronics, 2009, 19, 106-133.	2.0	55
6	Inverse Double NARX Fuzzy Modeling for System Identification. IEEE/ASME Transactions on Mechatronics, 2010, 15, 136-148.	3.7	48
7	Design and implementation of an adaptive recurrent neural networks (ARNN) controller of the pneumatic artificial muscle (PAM) manipulator. Mechatronics, 2009, 19, 816-828.	2.0	43
8	Parameter identification using adaptive differential evolution algorithm applied to robust control of uncertain nonlinear systems. Applied Soft Computing Journal, 2018, 71, 672-684.	4.1	24
9	Adaptive gait generation for humanoid robot using evolutionary neural model optimized with modified differential evolution technique. Neurocomputing, 2018, 320, 112-120.	3.5	23
10	Adaptive Neural Compliant Force-Position Control of Serial PAM Robot. Journal of Intelligent and Robotic Systems: Theory and Applications, 2018, 89, 351-369.	2.0	22
11	A new approach for three-dimensional trajectory tracking control of under-actuated AUVs with model uncertainties. Ocean Engineering, 2021, 228, 108951.	1.9	22
12	System Modeling and Identification the Two-Link Pneumatic Artificial Muscle (PAM) Manipulator Optimized with Genetic Algorithms. , 2006, , .		21
13	Adaptive displacement online control of shape memory alloys actuator based on neural networks and hybrid differential evolution algorithm. Neurocomputing, 2015, 166, 464-474.	3.5	20
14	Adaptive Backstepping Self-balancing Control of a Two-wheel Electric Scooter. International Journal of Advanced Robotic Systems, 2014, 11, 165.	1.3	18
15	Comparative study of modeling and identification of the pneumatic artificial muscle (PAM) manipulator using recurrent neural networks. Journal of Mechanical Science and Technology, 2008, 22, 1287-1298.	0.7	15
16	A neural differential evolution identification approach to nonlinear systems and modelling of shape memory alloy actuator. Asian Journal of Control, 2018, 20, 57-70.	1.9	13
17	Implementation of supervisory controller for solar PV microgrid system using adaptive neural model. International Journal of Electrical Power and Energy Systems, 2014, 63, 1023-1029.	3.3	12
18	New approach of sliding mode control for nonlinear uncertain pneumatic artificial muscle manipulator enhanced with adaptive fuzzy estimator. International Journal of Advanced Robotic Systems, 2018, 15, 172988141877320.	1.3	12

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19	Uncertain nonlinear system identification using Jaya-based adaptive neural network. Soft Computing, 2020, 24, 17123-17132.	2.1	12
20	Inverse kinematics solution for robot manipulator based on adaptive MIMO neural network model optimized by hybrid differential evolution algorithm. , 2014, , .		11
21	Novel Adaptive Forward Neural MIMO NARX Model for the Identification of Industrial 3-DOF Robot Arm Kinematics. International Journal of Advanced Robotic Systems, 2012, 9, 104.	1.3	10
22	Adaptive neural model optimized by modified differential evolution for identifying 5-DOF robot manipulator dynamic system. Soft Computing, 2018, 22, 979-988.	2.1	10
23	System Modeling Identification and Control of the Two-Link Pneumatic Artificial Muscle Manipulator Optimized with Genetic Algorithms. , 2007, , .		9
24	Advanced Speed Control of PMSM Motor Using Neural FOC Method. , 2018, , .		9
25	Optimal energy management of microgrid using advanced multi-objective particle swarm optimization. Engineering Computations, 2020, 37, 2085-2110.	0.7	9
26	Adaptive inverse multilayer fuzzy control for uncertain nonlinear system optimizing with differential evolution algorithm. Applied Intelligence, 2021, 51, 527-548.	3.3	9
27	Hysteresis compensation and adaptive control based evolutionary neural networks for piezoelectric actuator. International Journal of Intelligent Systems, 2021, 36, 5472-5492.	3.3	9
28	Robot manipulator identification based on adaptive multiple-input and multiple-output neural model optimized by advanced differential evolution algorithm. International Journal of Advanced Robotic Systems, 2017, 14, 172988141667769.	1.3	8
29	Advanced force control of the 2-axes PAM-based manipulator using adaptive neural networks. Robotica, 2018, 36, 1333-1362.	1.3	8
30	Optimal stable gait for nonlinear uncertain humanoid robot using central force optimization algorithm. Engineering Computations, 2019, 36, 599-621.	0.7	8
31	Adaptive sliding mode control with hysteresis compensation-based neuroevolution for motion tracking of piezoelectric actuator. Applied Soft Computing Journal, 2022, 115, 108257.	4.1	8
32	Adaptive evolutionary neural control of perturbed nonlinear serial PAM robot. Neurocomputing, 2017, 267, 525-544.	3.5	7
33	Identification of 2-DOF pneumatic artificial muscle system with multilayer fuzzy logic and differential evolution algorithm. , 2017, , .		7
34	Optimal nature-walking gait for humanoid robot using Jaya optimization algorithm. Advances in Mechanical Engineering, 2019, 11, 168781401988808.	0.8	7
35	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
36	Cascade Training Multilayer Fuzzy Model for Nonlinear Uncertain System Identification Optimized by Differential Evolution Algorithm. International Journal of Fuzzy Systems, 2018, 20, 1671-1684.	2.3	6

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37	Advanced PMSM Machine Parameter Identification Using Modified Jaya Algorithm. , 2019, , .		6
38	Optimal FOC-PID Parameters of BLDC Motor System Control Using Parallel PM-PSO Optimization Technique. International Journal of Computational Intelligence Systems, 2021, 14, 1142.	1.6	6
39	Design&Implementation an Adaptive Takagi-Sugeno Fuzzy Neural Networks Controller for the 2-Links Pneumatic Artificial Muscle (PAM) Manipulator using in Elbow Rehabilitation. , 2006, , .		5
40	System Identification and Self-Tuning Pole Placement Control of the Two-Axes Pneumatic Artificial Muscle Manipulator Optimized by Genetic Algorithm. , 2007, , .		5
41	Inverse Neural MIMO NARX Model Identification of Nonlinear System Optimized with PSO. , 2010, , .		5
42	Adaptive Line Trajectory Identification of Industrial 5-DOF Robot Arm Using Neural MIMO NARX Model. Lecture Notes in Electrical Engineering, 2014, , 605-615.	0.3	5
43	Stable Gait Optimization for Small-Sized Humanoid Robot Using CFO. , 2018, , .		5
44	Extended Permanent Magnet Synchronous Motors Speed Range Based on the Active and Reactive Power Control of Inverters. Energies, 2021, 14, 3549.	1.6	5
45	Optimal Walking Gait Generator for Biped Robot Using Modified Jaya Optimization Technique. International Journal of Computational Intelligence Systems, 2020, 13, 382.	1.6	5
46	A comparative study of position control of a SMA actuated manipulator. , 2008, , .		4
47	Inverse Dynamic model identification of 2-axes PAM robot arm using neural MIMO NARX model. , 2009, , .		4
48	Uncertain nonlinear system control using hybrid fuzzy LQR-sliding mode technique optimized with evolutionary algorithm. Engineering Computations, 2019, 36, 1893-1912.	0.7	4
49	Advanced Intelligent Fuzzy Control of Standalone PV-Wind-Diesel Hybrid System. , 2019, , .		4
50	Robust extreme learning machine neural approach for uncertain nonlinear hyperâ€chaotic system identification. International Journal of Robust and Nonlinear Control, 2021, 31, 9127-9148.	2.1	4
51	Modeling and Adaptive Self-Tuning MVC Control of PAM Manipulator Using Online Observer Optimized with Modified Genetic Algorithm. Engineering, 2011, 03, 130-143.	0.4	4
52	Optimized stable gait planning of biped robot using multi-objective evolutionary JAYA algorithm. International Journal of Advanced Robotic Systems, 2020, 17, 172988142097634.	1.3	4
53	Novel Sensorless PMSM Speed Control Using Advanced Fuzzy MRAS Algorithm. Arabian Journal for Science and Engineering, 2022, 47, 14531-14542.	1.7	4
54	Dynamic model identification of the 2-Axes PAM robot arm using neural MIMO NARX model. , 2008, , .		3

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55	Implementation an adaptive fuzzy NARX controller for MPPT PV supplied DC pump motor. , 2012, , .		3
56	Implementation of adaptive fuzzy sliding mode control for nonlinear uncertain serial pneumatic-artificial-muscle (PAM) robot system. , 2017, , .		3
57	Inverse–adaptive multilayer T–S fuzzy controller for uncertain nonlinear system optimized by differential evolution algorithm. Soft Computing, 2020, 24, 14073-14089.	2.1	3
58	Real-time identified chaotic plants using neural enhanced learning machine technique. Engineering Computations, 2021, 38, 2810-2832.	0.7	3
59	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
60	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
61	Identification of the 2-Axes Pneumatic Artificial Muscle (PAM) Robot Arm Using Double NARX Fuzzy Model and Genetic Algorithm. , 2008, , .		2
62	Dynamic Model Identification of PAM-Based Rehabilitation Robot Using Neural MIMO NARX Model. IFMBE Proceedings, 2010, , 39-43.	0.2	2
63	Particle swarm optimization identification of IPMC actuator using fuzzy NARX model. , 2010, , .		2
64	Modeling Identification of the Nonlinear Robot Arm System Using MISO NARX Fuzzy Model and Genetic Algorithm. , 2011, , .		2
65	A New Approach of the Online Tuning Gain Scheduling Nonlinear PID Controller Using Neural Network. , 2011, , .		2
66	Adaptive Evolutionary Neural Network Gait Generation for Humanoid Robot Optimized with Modified Differential Evolution Algorithm. , 2018, , .		2
67	Hysteresis Identification of Piezoelectric Actuator Using Neural Network Trained By Jaya Algorithm. , 2019, , .		2
68	Hybrid Fuzzy Sliding Mode Control for Uncertain PAM Robot Arm Plant Enhanced with Evolutionary Technique. International Journal of Computational Intelligence Systems, 2021, 14, 594.	1.6	2
69	Multi-View Digital Mammography Mass Classification: A Convolutional Neural Network Model Approach. , 2021, , .		2
70	Medical Image Classification and Symptoms Detection Using Fuzzy NARX Technique. IFMBE Proceedings, 2013, , 335-342.	0.2	2
71	Comparative stable walking gait optimization for small-sized biped robot using meta-heuristic optimization algorithms. Vietnam Journal of Mechanics, 2018, 40, 407-424.	0.2	2
72	Fuzzy Load Forecast with Optimized Parametric Adjustment Using Jaya Optimization Algorithm. International Journal of Computational Intelligence Systems, 2020, 13, 875.	1.6	2

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73	Optimized Gait Planning of Biped Robot Using Multi-objective JAYA Algorithm. Advances in Intelligent Systems and Computing, 2021, , 178-190.	0.5	2
74	Adaptive MIMO Fuzzy Controller for Double Coupled Tank System optimizing by Jaya Algorithm. , 2020, , .		2
75	Dynamic Model Identification of 2-Axes PAM Robot Arm Using Neural MIMO NARX Model. Lecture Notes in Computer Science, 2009, , 473-479.	1.0	1
76	Adaptive trajectory modeling of humanoid robot 3-DOF arm using inverse neural MIMO NARX model. , 2012, , .		1
77	A NEW APPROACH OF THE 2-AXES PAM ROBOT ARM IDENTIFICATION USING NEURAL MIMO NARX MODEL. International Journal on Artificial Intelligence Tools, 2013, 22, 1250039.	0.7	1
78	Novel Adaptive Forward Neural MIMO NARX Model Application for Modelling of Biped Robot's Arm Kinematics. Nihon AEM Gakkaishi, 2013, 21, 419-424.	0.0	1
79	Implementation of hybrid adaptive fuzzy sliding model control and evolutionary neural observer for biped robot systems. , 2017, , .		1
80	Optimal Biped Walking Pattern Generator with Preset Hip-Shift Using JAYA Optimization Algorithm. , 2019, , .		1
81	Robust Biped Walking Pattern Generation Using Hybrid Nonlinear Autoregressive eXogenous and Multi-Layer Perceptron Neural Networks Optimized by Improved Differential Evolution Algorithm. , 2021, , .		1
82	ADVANCED INTELLIGENT IDENTIFICATION OF PMSM PARAMETER USING MODIFIED JAYA OPTIMIZATION ALGORITHM. , 0, , .		1
83	Machine Learning-Based Evolutionary Neural Network Approach Applied in Breast Cancer Tumor Classification. Advances in Intelligent Systems and Computing, 2021, , 72-83.	0.5	1
84	Parallel Multi-Population Technique for Meta-Heuristic Algorithms on Multi Core Processor. , 2020, , .		1
85	Inverse model identification of 2-axes pneumatic artificial muscle (PAM) robot arm using double NARX Fuzzy Model and genetic algorithm. , 2008, , .		0
86	Inverse Adaptive Fuzzy model identification of the 2-axes PAM robot arm. , 2012, , .		0
87	Cascade Training Multilayer Fuzzy Model for Identifying Nonlinear MIMO System. Lecture Notes in Mechanical Engineering, 2018, , 1017-1031.	0.3	0
88	Advanced Sensor-Less Control of IPMSM Motor Using Adaptive Neural FOC Approach. Applied Mechanics and Materials, 0, 894, 149-157.	0.2	0
89	Hybrid PD and adaptive backstepping control for self-balancing two-wheel electric scooter. Journal of Computer Science and Cybernetics, 2015, 30, .	0.1	0
90	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

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91	NOVEL OPTIMAL COORDINATED VOLTAGE CONTROL FOR DISTRIBUTION NETWORKS USING DIFFERENTIAL EVOLUTION TECHNIQUE. Journal of Computer Science and Cybernetics, 2018, 34, 3-16.	0.1	0
92	Novel Approach of Robust Hinf Tracking Control for Uncertain Fuzzy Descriptor Systems Using Parametric Lyapunov Function. Journal of Computer Science and Cybernetics, 2020, 36, 69-88.	0.1	0
93	Adaptive multilayer T-S fuzzy controller for nonlinear SISO system optimized by differential evolution algorithm. Science & Technology Development Journal - Engineering and Technology, 2020, 3, First.	0.1	0
94	Improve Stability of Deep Flux Weakening Operation Control Strategies for IPMSM. Advances in Intelligent Systems and Computing, 2021, , 191-202.	0.5	0
95	Novel Approach of Robust Hinf Tracking Control for Uncertain Fuzzy Descriptor Systems Using Parametric Lyapunov Function. Journal of Computer Science and Cybernetics, 0, 36, 69-88.	0.1	0