

# Ali Chaibakhsh

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2169164/publications.pdf>

Version: 2024-02-01

49  
papers

582  
citations

840585

11  
h-index

677027

22  
g-index

50  
all docs

50  
docs citations

50  
times ranked

460  
citing authors

#	ARTICLE	IF	CITATIONS
1	Steam turbine model. Simulation Modelling Practice and Theory, 2008, 16, 1145-1162.	2.2	138
2	A simulated model for a once-through boiler by parameter adjustment based on genetic algorithms. Simulation Modelling Practice and Theory, 2007, 15, 1029-1051.	2.2	70
3	Multi-Feature Fusion Approach for Epileptic Seizure Detection From EEG Signals. IEEE Sensors Journal, 2021, 21, 3533-3543.	2.4	50
4	A simulation model for transient behaviour of heavy-duty gas turbines. Applied Thermal Engineering, 2018, 132, 115-127.	3.0	37
5	Nonlinear robust fault diagnosis of power plant gas turbine using Monte Carlo-based adaptive threshold approach. ISA Transactions, 2020, 100, 171-184.	3.1	25
6	Semiactive conceptual fuzzy control of magnetorheological dampers in an irregular base-isolated benchmark building optimized by multi-objective genetic algorithm. Structural Control and Health Monitoring, 2019, 26, e2302.	1.9	23
7	Soft computing approach for modeling power plant with a once-through boiler. Engineering Applications of Artificial Intelligence, 2007, 20, 809-819.	4.3	22
8	An intelligent hybrid technique for fault detection and condition monitoring of a thermal power plant. Applied Mathematical Modelling, 2018, 60, 34-47.	2.2	22
9	Fault detection and isolation of gas turbine using series-parallel NARX model. ISA Transactions, 2022, 120, 205-221.	3.1	19
10	A Control Oriented Cyber-Secure Strategy Based on Multiple Sensor Fusion. , 2019, , .		16
11	A New Fault Diagnosis Approach for Heavy-Duty Gas Turbines. IEEE/ASME Transactions on Mechatronics, 2022, 27, 3339-3349.	3.7	16
12	Ensemble-Based Fault Detection and Isolation of an Industrial Gas Turbine. , 2020, , .		13
13	Crude oil direct fired furnace model. Applied Thermal Engineering, 2015, 83, 57-70.	3.0	12
14	An Optimization Approach Based on Genetic Algorithm for Modeling Benson Type Boiler. Proceedings of the American Control Conference, 2007, , .	0.0	11
15	SMS- A Security Management System for Steam Turbines Using a Multisensor Array. IEEE Systems Journal, 2020, 14, 3813-3824.	2.9	11
16	Feature fusion for improving performance of motor imagery brain-computer interface system. Biomedical Signal Processing and Control, 2021, 68, 102763.	3.5	10
17	Generalized Sequential Forward Selection Method for Channel Selection in EEG Signals for Classification of Left or Right Hand Movement in BCI. , 2019, , .		9
18	Modelling and long-term simulation of a heat recovery steam generator. Mathematical and Computer Modelling of Dynamical Systems, 2013, 19, 91-114.	1.4	8

#	ARTICLE	IF	CITATIONS
19	Long-Term Prediction of Biological Wastewater Treatment Process Behavior via Wiener-Laguerre Network Model. International Journal of Chemical Engineering, 2014, 2014, 1-7.	1.4	7
20	THERMO-HYDRAULIC BEHAVIOR MODELING OF PASSIVE HEAT TRANSFER ENHANCEMENT TECHNIQUES USING A SOFT COMPUTING APPROACH. Chemical Engineering Communications, 2014, 201, 53-71.	1.5	6
21	Experimental Fuzzy Modelling and Control of a Steam Power Plant Boiler. International Journal of Modelling and Simulation, 2009, 29, 379-386.	2.3	4
22	Fault Tolerant Control for Trajectory Tracking of a Pneumatic Servo Positioning System. , 2018, , .		4
23	Stable haptic rendering in interactive virtual control laboratory. Intelligent Service Robotics, 2018, 11, 289-300.	1.6	4
24	Neuro-Fuzzy Modeling of Heat Recovery Steam Generator. International Journal of Machine Learning and Computing, 2012, , 604-608.	0.8	4
25	Experimental fuzzy modeling and control of a once-through boiler. , 0, , .		3
26	Modeling and Fuzzy Control of a Crude Oil Preheating Furnace. Applied Mechanics and Materials, 0, 229-231, 2370-2374.	0.2	3
27	A Model-Based Coordinated Control Concept for Steam Power Plants. Journal of Engineering (United) Tj ETQq1 1 0.784314 rgBT /Ove 0.5		3
28	Individual-based multi-objective optimal structured treatment interruption for HIV infection. Applied Soft Computing Journal, 2019, 85, 105780.	4.1	3
29	Gas based distributed generation systems, a key to Iran buildings growing energy demand. , 2008, , .		2
30	Fuzzy modeling and optimization of biochemical processes: A case study. , 2010, , .		2
31	Identification of MR Damper Based on Normalized Bouc-Wen Model Using Neural Network. Applied Mechanics and Materials, 0, 229-231, 2140-2144.	0.2	2
32	Unbalance fault localization in rotating machinery disks using EEMD and optimized multi-class SVM. , 2017, , .		2
33	Maximum allowable fouling detection in industrial fired heater furnaces. Journal of Mechanical Science and Technology, 2018, 32, 415-421.	0.7	2
34	Fault diagnosis of Combined Cycle Power Plant Using ELM. , 2019, , .		2
35	Modeling and Control of an Air Levitation Ball and Pipe Laboratory Setup. , 2019, , .		2
36	Enhancing disturbance rejection performance for a class of networked cascade control systems: an <i>H<sub>∞</sub></i> approach. International Journal of Control, 2023, 96, 223-237.	1.2	2

#	ARTICLE	IF	CITATIONS
37	Application of Fuzzy Modeling and Optimization in Enzymatic Esterification Process. International Journal of Chemical Engineering and Applications (IJCEA), 2011, , 408-415.	0.3	2
38	Nonlinear model-based cardiac arrhythmia diagnosis using the optimization-based inverse problem solution. Biomedical Engineering Letters, 2022, 12, 205-215.	2.1	2
39	Coordinated control of once-through power plant based on fuzzy feedback-feedforward approach. , 2008, , .		1
40	A new approach for temperature control in steam power plant. , 2008, , .		1
41	Genetic-optimized neuro-fuzzy inference system (GONFIS) in nonlinear system identification. , 2011, , .		1
42	Robust control of a steam turbine power based on a precise nonlinear model. , 2014, , .		1
43	Temperature sensor fault diagnosing in heavy duty gas turbines using Laguerre network-based hierarchical fuzzy systems. , 2015, , .		1
44	Fault diagnosis of an industrial once-through Benson boiler by utilizing adaptive neuro-fuzzy inference system. , 2016, , .		1
45	Flame Failures and Recovery in Industrial Furnaces: A Neural Network Steady-State Model for the Firing Rate Setpoint Rearrangement. International Journal of Chemical Engineering, 2018, 2018, 1-15.	1.4	1
46	Multi-Sensor Feature Fusion and Grey Wolf Optimizer-Based Support Vector Machine for Transient Fault Detection in a Once-Through Power Plant. , 2019, , .		1
47	Detection and Isolation of Unbalanced and Bearing Faults in Rotary Machinery Using Artificial Intelligence. , 2020, , .		1
48	Feedback-feedforward fuzzy logic control for superheated steam temperature regulation in thermal power plant. , 2009, , .		0
49	Hybrid fuzzy-feedback linearization controller for precise positioning of a pneumatic system. , 2017, , .		0