Ali Chaibakhsh

List of Publications by Citations

39 papers	349 citations	9 h-index	18 g-index
50 ext. papers	462 ext. citations	3.1 avg, IF	4.04 L-index

#	Paper	IF	Citations
39	Steam turbine model. *Simulation Modelling Practice and Theory*, **2008**, 16, 1145-1162	3.9	110
38	A simulated model for a once-through boiler by parameter adjustment based on genetic algorithms. *Simulation Modelling Practice and Theory*, **2007**, 15, 1029-1051	3.9	53
37	A simulation model for transient behaviour of heavy-duty gas turbines. *Applied Thermal Engineering* , **2018**, 132, 115-127	5.8	21
36	Multi-Feature Fusion Approach for Epileptic Seizure Detection From EEG Signals. *IEEE Sensors Journal*, **2021**, 21, 3533-3543	4	21
35	An intelligent hybrid technique for fault detection and condition monitoring of a thermal power plant. *Applied Mathematical Modelling*, **2018**, 60, 34-47	4.5	16
34	Soft computing approach for modeling power plant with a once-through boiler. *Engineering Applications of Artificial Intelligence*, **2007**, 20, 809-819	7.2	16
33	A Control Oriented Cyber-Secure Strategy Based on Multiple Sensor Fusion **2019**,		12
32	Crude oil direct fired furnace model. *Applied Thermal Engineering*, **2015**, 83, 57-70	5.8	10
31	Ensemble-Based Fault Detection and Isolation of an Industrial Gas Turbine **2020**,		10
30	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	4.5	9
29	SMSA Security Management System for Steam Turbines Using a Multisensor Array. *IEEE Systems Journal*, **2020**, 14, 3813-3824	4.3	7
28	An Optimization Approach Based on Genetic Algorithm for Modeling Benson Type Boiler. *Proceedings of the American Control Conference*, **2007**,	1.2	7
27	Nonlinear robust fault diagnosis of power plant gas turbine using Monte Carlo-based adaptive threshold approach. *ISA Transactions*, **2020**, 100, 171-184	5.5	7
26	THERMO-HYDRAULIC BEHAVIOR MODELING OF PASSIVE HEAT TRANSFER ENHANCEMENT TECHNIQUES USING A SOFT COMPUTING APPROACH. *Chemical Engineering Communications*, **2014**, 201, 53-71	2.2	6
25	Generalized Sequential Forward Selection Method for Channel Selection in EEG Signals for Classification of Left or Right Hand Movement in BCI **2019**,		5
24	Modelling and long-term simulation of a heat recovery steam generator. *Mathematical and Computer Modelling of Dynamical Systems*, **2013**, 19, 91-114	1	4
23	Long-Term Prediction of Biological Wastewater Treatment Process Behavior via Wiener-Laguerre Network Model. *International Journal of Chemical Engineering*, **2014**, 2014, 1-7	2.2	4

22	A Model-Based Coordinated Control Concept for Steam Power Plants. *Journal of Engineering (United States)*, **2013**, 2013, 1-11	1.5	3
21	A New Fault Diagnosis Approach for Heavy-Duty Gas Turbines. *IEEE/ASME Transactions on Mechatronics*, **2022**, 1-11	5.5	3
20	Modeling and Fuzzy Control of a Crude Oil Preheating Furnace. *Applied Mechanics and Materials*, **2012**, 229-231, 2370-2374	0.3	2
19	Experimental Fuzzy Modelling and Control of a Steam Power Plant Boiler. *International Journal of Modelling and Simulation*, **2009**, 29, 379-386	1.5	2
18	Experimental fuzzy modeling and control of a once-through boiler		2
17	Neuro-Fuzzy Modeling of Heat Recovery Steam Generator. *International Journal of Machine Learning and Computing*, **2012**, 604-608	1.8	2
16	Stable haptic rendering in interactive virtual control laboratory. *Intelligent Service Robotics*, **2018**, 11, 289-300	2.6	2
15	Feature fusion for improving performance of motor imagery brain-computer interface system. *Biomedical Signal Processing and Control*, **2021**, 68, 102763	4.9	2
14	Multi-Sensor Feature Fusion and Grey Wolf Optimizer-Based Support Vector Machine for Transient Fault Detection in a Once-Through Power Plant **2019**,		1
13	Individual-based multi-objective optimal structured treatment interruption for HIV infection. *Applied Soft Computing Journal*, **2019**, 85, 105780	7.5	1
12	Unbalance fault localization in rotating machinery disks using EEMD and optimized multi-class SVM **2017**,		1
11	Robust control of a steam turbine power based on a precise nonlinear model **2014**,		1
10	Genetic-optimized neuro-fuzzy inference system (GONFIS) in nonlinear system identification **2011**,		1
9	Identification of MR Damper Based on Normalized Bouc-Wen Model Using Neural Network. *Applied Mechanics and Materials*, **2012**, 229-231, 2140-2144	0.3	1
8	Gas based distributed generation systems, a key to Iran buildings growing energy demand **2008**,		1
7	Application of Fuzzy Modeling and Optimization in Enzymatic Esterification Process. *International Journal of Chemical Engineering and Applications (IJCEA)*, **2011**, 408-415	0.2	1
6	Fault detection and isolation of gas turbine using series-parallel NARX model. *ISA Transactions*, **2021**, 120, 205-205	5.5	1
5	Modeling and Control of an Air Levitation Ball and Pipe Laboratory Setup **2019**,		1

4	Enhancing disturbance rejection performance for a class of networked cascade control systems: an H approach. *International Journal of Control*,1-38	1.5	1
3	Maximum allowable fouling detection in industrial fired heater furnaces. *Journal of Mechanical Science and Technology*, **2018**, 32, 415-421	1.6	0
2	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	2.2	0
1	Nonlinear model-based cardiac arrhythmia diagnosis using the optimization-based inverse problem solution.. *Biomedical Engineering Letters*, **2022**, 12, 205-215	3.6	0