Zakaria Hussain

List of Publications by Year
in descending order

36 papers	**377** citations	1307594 **7** h-index
36 all docs	**36** docs citations	**36** times ranked

1199594
12 g-index

423 citing authors

#	Article	IF	Citations
1	Flexible Biphasic Functional Electrical Stimulator for Children with Cerebral Palsy. , 2021, , .		0
2	Design of an FPGA-Based Fuzzy Feedback Controller for Closed-Loop FES in Knee Joint Model. Micromachines, 2021, 12, 968.	2.9	8
3	Classification of Starfruit Ripeness using Neural Network Technique. , 2020, , .		5
4	Modelling and Simulation of Omnidirectional Mobile Robot with Line Follower and Obstacles Avoidance. , 2020, , .		0
5	Fault classification on transmission line using LSTM network. Indonesian Journal of Electrical Engineering and Computer Science, 2020, 20, 231.	0.8	5
6	A robust transmission line fault classification scheme using class-dependent feature and 2-Tier multilayer perceptron network. Electrical Engineering, 2018, 100, 607-623.	2.0	18
7	Development and Optimization of PID Control for FES Knee Exercise in Hemiplegic Rehabilitation. , 2018, , .		4
8	Design Flexural Piezoelectric Acoustic Transducers Array based d33 Mode Polarization. Indonesian Journal of Electrical Engineering and Computer Science, 2018, 10, 59.	0.8	0
9	Support Vector Machine (SVM) for Fault Classification in Radial Distribution Network. Advanced Science Letters, 2017, 23, 4124-4128.	0.2	7
10	Design and development of an adjustable angle sensor based on rotary potentiometer for measuring finger flexion. , 2016, , .		8
11	Modified hybrid median filter for removal of low density random-valued impulse noise in images. , 2016, , .		14
12	USABILITY EVALUATION OF A WEB-BASED HEALTH AWARENESS PORTAL ON SMARTPHONE DEVICES USING ISO 9241- 11 MODEL. Jurnal Teknologi (Sciences and Engineering), 2015, 77, .	0.4	15
13	A GA-based feature selection and parameter optimization of an ANN in diagnosing breast cancer. Pattern Analysis and Applications, 2015, 18, 861-870.	4.6	88
14	Enhanced Genetic Algorithm Applied for Global Optimization. Lecture Notes in Computer Science, 2015, , 198-205.	1.3	2
15	Preliminary Study on Analyzing EEG Alpha Brainwave Signal Activities Based on Visual Stimulation. Procedia Computer Science, 2014, 42, 85-92.	2.0	9
16	Alpha and beta EEG brainwave signal classification technique: A conceptual study. , 2014, , .		17
17	Dual-Power PV-Grid Energy System - An Alternative to the Off-Grid PV Energy System. Advanced Materials Research, 2014, 960-961, 1531-1535.	0.3	0
18	Control of FES-Assisted Elliptical Stepping Exercise Using Fuzzy Logic Controller. Applied Mechanics and Materials, 2014, 598, 510-515.	0.2	1

#	Article	IF	Citations
19	Intelligent Medical Disease Diagnosis Using Improved Hybrid Genetic Algorithm - Multilayer Perceptron Network. Journal of Medical Systems, 2013, 37, 9934.	3.6	54
20	A genetic algorithm-based multi-objective optimization of an artificial neural network classifier for breast cancer diagnosis. Neural Computing and Applications, 2013, 23, 1427-1435.	5.6	33
21	Intelligent Breast Cancer Diagnosis Using Hybrid GA-ANN. , 2013, , .		14
22	Electrically Stimulated Quadriceps Muscle Model for Wheel-chaired Elliptical Stepping Exercise. , 2013, , .		7
23	Gel Electrophoresis Image Segmentation with Kapur Method Based on Particle Swarm Optimization. , 2013, , .		3
24	Muscle Extension Model for FES-Assisted Knee Swinging Ergometer for Stroke Patient. , 2013, , .		4
25	Fuzzy Logic Control of Knee-FES-Ergometer for Stroke Patients Knee Swinging Exercise. Applied Mechanics and Materials, 2013, 431, 282-286.	0.2	2
26	Parameter Optimization of FES-Assisted Indoor Rowing Exercise Using MOGA. , 2010, , .		2
27	The Effectiveness of Body Weight Transfer in FES-Assisted Walking with Wheel Walker. , 2010, , .		0
28	Genetic Algorithm-Artificial Neural Network (GA-ANN) Hybrid Intelligence for Cancer Diagnosis. , 2010, , .		21
29	Performance comparison of gradient descent and Genetic Algorithm based Artificial Neural Networks training. , 2010, , .		9
30	Simultaneous Input Selection and Hidden Nodes Optimization for Sunspot Time Series Prediction. , 2010, , .		0
31	Modelling of Muscle Extension and Flexion for FES-Assisted Indoor Rowing Exercise. , 2008, , .		11
32	Dynamic Simulation of Indoor Rowing Exercise for Paraplegics. , 2008, , .		10
33	Power Converter for Dual-Power PV-Grid Energy System Utilizing Cascaded Multilevel Inverter. Advanced Materials Research, 0, 925, 505-509.	0.3	4
34	Knee-FES-Ergometer for Paretic Knee Swinging Exercise: Tuning of PID Controller Using PSO. Applied Mechanics and Materials, 0, 598, 595-601.	0.2	1
35	Implementation of PID Controller with PSO Tuning for FES-Assisted Exercise. Applied Mechanics and Materials, 0, 598, 516-523.	0.2	1
36	Dual-Power PV-Grid Energy SystemÂâ€" An Alternative to the Off-Grid PV Energy System. Advanced Materials Research, 0, 925, 661-665.	0.3	0