Asha Rani

List of Publications by Year in descending order

35 papers	1,670 citations	516681 16 h-index	642715 23 g-index
35 all docs	35 docs citations	35 times ranked	1495 citing authors

#	ARTICLE	IF	CITATIONS
1	Local Diagonal Maxima-Minima Pattern-based Edge Detection Technique for Ultrasound and Digital Radiography Images. IETE Journal of Research, 2023, 69, 3211-3221.	2.6	4
2	Respiratory Effort Signal Based Sleep Apnea Detection System Using Improved Random Forest Classifier. IETE Journal of Research, 2023, 69, 6326-6339.	2.6	5
3	Intelligent estimation of blood glucose level using wristband PPG signal and physiological parameters. Biomedical Signal Processing and Control, 2022, 78, 103876.	5.7	9
4	Optimum multi-drug regime for compartment model of tumour: cell-cycle-specific dynamics in the presence of resistance. Journal of Pharmacokinetics and Pharmacodynamics, 2021, 48, 543-562.	1.8	19
5	Design of intelligent diabetes mellitus detection system using hybrid feature selection based XGBoost classifier. Computers in Biology and Medicine, 2021, 136, 104664.	7.0	52
6	Path Planning of a Multi Dimensional Robot in Static Environment Using Meta Heuristic Techniques. , 2021, , .		0
7	Robust nonlinear fractional order fuzzy PD plus fuzzy I controller applied to robotic manipulator. Neural Computing and Applications, 2020, 32, 2055-2079.	5.6	28
8	Classification of SGS-SRAD Denoised MRI Using GWO Optimized SVM. IETE Journal of Research, 2020, , 1-11.	2.6	1
9	PV Fed Sliding Mode controlled SEPIC converter with Single Phase Inverter. , 2020, , .		0
10	Improved Depth Local Binary Pattern for Edge Detection of Depth Image. , 2020, , .		3
11	A Modified Incremental Conductance Maximum Power Point Technique for Standalone PV System. , 2020, , .		7
12	An improved hyper smoothing function based edge detection algorithm for noisy images. Journal of Intelligent and Fuzzy Systems, 2020, 38, 6325-6335.	1.4	12
13	SGS-SRAD Filter for Denoising and Edge Preservation of Ultrasound Images. , 2019, , .		6
14	Modified fractional order IMC design based drug scheduling for cancer treatment. Computers in Biology and Medicine, 2019, 109, 121-137.	7.0	28
15	An expert 2DOF fractional order fuzzy PID controller for nonlinear systems. Neural Computing and Applications, 2019, 31, 4253-4270.	5.6	41
16	A novel nature-inspired algorithm for optimization: Squirrel search algorithm. Swarm and Evolutionary Computation, 2019, 44, 148-175.	8.1	630
17	Two Degrees-of-Freedom Fractional-Order Proportional–Integral–Derivative-Based Temperature Control of Fermentation Process. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2018, 140, .	1.6	23
18	Owl search algorithm: A novel nature-inspired heuristic paradigm forÂglobal optimization. Journal of Intelligent and Fuzzy Systems, 2018, 34, 1573-1582.	1.4	101

#	Article	IF	Citations
19	Robust self-tuning fractional order PID controller dedicated to non-linear dynamic system. Journal of Intelligent and Fuzzy Systems, 2018, 34, 1467-1478.	1.4	27
20	Levenbergâ€"Marquardt-Based Non-Invasive Blood Glucose Measurement System. IETE Journal of Research, 2018, 64, 116-123.	2.6	7
21	Investigations on Multisensor-Based Noninvasive Blood Glucose Measurement System. Journal of Medical Devices, Transactions of the ASME, 2017, 11, .	0.7	27
22	Robust adaptive fuzzy controller applied toÂdouble inverted pendulum. Journal of Intelligent and Fuzzy Systems, 2017, 32, 3669-3687.	1.4	24
23	Two degree of freedom PID based inferential control of continuous bioreactor for ethanol production. ISA Transactions, 2017, 68, 235-250.	5.7	46
24	Fractional order PID (FOPID) controller based temperature control of bioreactor. , 2016, , .		11
25	Multi Objective PSO Tuned Fractional Order PID Control of Robotic Manipulator. Advances in Intelligent Systems and Computing, 2016, , 567-572.	0.6	12
26	Performance Analysis of Fuzzy-PID Controller for Blood Glucose Regulation in Type-1 Diabetic Patients. Journal of Medical Systems, 2016, 40, 254.	3.6	20
27	Performance Evaluation and Implementation of FPGA Based SGSF in Smart Diagnostic Applications. Journal of Medical Systems, 2016, 40, 63.	3.6	25
28	FPGA Based Wireless Emergency Medical System for Developing Countries. , 2015, , .		4
29	Classification of human emotions from EEG signals using SVM and LDA Classifiers. , 2015, , .		76
30	EEG data acquisition circuit system Based on ADS1299EEG FE. , 2015, , .		12
31	Prospects and limitations of non-invasive blood glucose monitoring using near-infrared spectroscopy. Biomedical Signal Processing and Control, 2015, 18, 214-227.	5.7	258
32	Near-infrared LED based non-invasive blood glucose sensor. , 2014, , .		62
33	Development of soft sensor for neural network based control of distillation column. ISA Transactions, 2013, 52, 438-449.	5.7	87
34	Simulation and control of reactive distillation column. , 2011, , .		1
35	A Novel Loss Model Control-Based Efficiency Enhancement Scheme for IFOC Induction Motor Drive. Arabian Journal for Science and Engineering, 0, , 1.	3.0	2