Sudhansu Kumar Mishra

List of Publications by Year
in descending order

42 papers	599 citations	840119 11 h-index	642321 23 g-index
44 all docs	44 docs citations	44 times ranked	488 citing authors

#	Article	IF	Citations
1	A Review of Short Term Load Forecasting using Artificial Neural Network Models. Procedia Computer Science, 2015, 48, 121-125.	1.2	157
2	Real time implementation of fractional order PID controllers for a magnetic levitation plant. AEU - International Journal of Electronics and Communications, 2017, 78, 141-156.	1.7	68
3	A comparative performance assessment of a set of multiobjective algorithms for constrained portfolio assets selection. Swarm and Evolutionary Computation, 2014, 16, 38-51.	4.5	46
4	TID and I-TD controller design for magnetic levitation system using genetic algorithm. Perspectives in Science, 2016, 8, 370-373.	0.6	43
5	Prediction based mean-variance model for constrained portfolio assets selection using multiobjective evolutionary algorithms. Swarm and Evolutionary Computation, 2016, 28, 117-130.	4.5	28
6	A multi-agent based symbiotic organisms search algorithm for tuning fractional order PID controller. Measurement: Journal of the International Measurement Confederation, 2020, 155, 107559.	2.5	28
7	Real Time Implementation of Optimized I-PD Controller for the Magnetic Levitation System using Jaya Algorithm. IFAC-PapersOnLine, 2018, 51, 106-111.	0.5	20
8	Constrained portfolio asset selection using multiobjective bacteria foraging optimization. Operational Research, 2014, 14, 113-145.	1.3	19
9	Multi-objective particle swarm optimization approach to portfolio optimization. , 2009, , .		18
10	A Comparative Study of Solution of Economic Load Dispatch Problem in Power Systems in the Environmental Perspective. Procedia Computer Science, 2015, 48, 96-100.	1.2	18
11	Robust 2-DOF FOPID Controller Design for Maglev System Using Jaya Algorithm. IETE Journal of Research, 2020, 66, 414-426.	1.8	16
12	A coordinated planning framework of electric power distribution system: Intelligent reconfiguration. International Transactions on Electrical Energy Systems, 2018, 28, e2543.	1.2	12
13	Particle Swarm Optimization-based Functional Link Artificial Neural Network for Medical Image Denoising. Advances in Intelligent Systems and Computing, 2015, , 105-111.	0.5	11
14	A Comprehensive Review on Nature Inspired Neural Network based Adaptive Filter for Eliminating Noise in Medical Images. Current Medical Imaging, 2020, 16, 278-287.	0.4	10
15	Exponential Functional Link Artificial Neural Networks for Denoising of Image Corrupted by Gaussian Noise. , 2009, , .		9
16	Real-Time Identification of Fuzzy PID-Controlled Maglev System using TLBO-Based Functional Link Artificial Neural Network. Arabian Journal for Science and Engineering, 2021, 46, 4103-4118.	1.7	9
17	Real-Time Performance Analysis of FOI-PD Controller for Twin Rotor MIMO System. IETE Technical Review (Institution of Electronics and Telecommunication Engineers, India), 2019, 36, 547-567.	2.1	8
18	Cat Swarm Optimization based Functional Link Multilayer Perceptron for Suppression of Gaussian and Impulse Noise from Computed Tomography Images. Current Medical Imaging, 2020, 16, 329-339.	0.4	7

#	Article	IF	Citations
19	Analysis of asymmetrical cascaded multilevel inverter for traction systems. , 2013, , .		6
20	Adaptive comprehensive particle swarm optimisation-based functional-link neural network filtre model for denoising ultrasound images. IET Image Processing, 2021, 15, 1232-1246.	1.4	6
21	Real - time Implementation of Robust Set - point Weighted PID Controller for Magnetic Levitation System. International Journal on Electrical Engineering and Informatics, 2017, 9, .	0.3	6
22	Fractional Order Sliding Mode Controller for the Twin Rotor MIMO System. , 2019, , .		5
23	A Review on Intelligent PID Controllers in Autonomous Vehicle. Lecture Notes in Electrical Engineering, 2021, , 391-399.	0.3	5
24	D-space and microcontroller based SPWM inverter for three phase induction motor. , 2014, , .		4
25	A Review on Vision Based Control of Autonomous Vehicles Using Artificial Intelligence Techniques. , 2019, , .		4
26	Static Obstacles Avoidance in Autonomous Ground Vehicle using Fuzzy Logic Controller. , 2020, , .		4
27	Multi-objective evolutionary algorithms for financial portfolio design. International Journal of Computational Vision and Robotics, 2010, 1, 236.	0.2	3
28	A comparative performance evaluation of evolutionary algorithms for optimal design of three-phase induction motor. , 2013, , .		3
29	Optimal Control for Magnetic Levitation System Using H-J-B Equation Based LQR. , 2018, , .		3
30	Optimal Consensus Recovery of Multi-agent System Subjected to Agent Failure. International Journal on Artificial Intelligence Tools, 2020, 29, 2050017.	0.7	3
31	Comparative performance evaluation of multiobjective optimization algorithms for portfolio management. , 2009, , .		2
32	Particle Swarm Optimization â€" Functional Link Multilayer Perceptron for Rician noise suppression from MRI images. , 2016, , .		2
33	Coefficient diagram method (CDM) based PID controller design for magnetic levitation system with time delay. , 2017, , .		2
34	Design of fractional order controllers satisfying frequency domain specifications for magnetic levitation system with time delay. , 2017, , .		2
35	Design of Lagrangian-Based FOPID Controller for Desired Closed Loop System. Journal of Circuits, Systems and Computers, 2021, 30, 2150064.	1.0	2
36	Multichannel heuristic learning based single layer neural network filter for mixed noise suppression from color Doppler ultrasound images. Journal of Real-Time Image Processing, 2021, 18, 1397-1408.	2.2	2

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37	Optimal Design of a Fuzzy PID Controller for Inverted Pendulum System. Advances in Intelligent Systems and Computing, 2016, , 1297-1307.	0.5	1
38	Optimization of Fuel Consumption and Emission for Hybrid Electric Vehicle. Advances in Intelligent Systems and Computing, 2016, , 715-722.	0.5	1
39	Multi-Channel FLANN Adaptive Filter for Speckle & Impulse Noise Elimination from Color Doppler Ultrasound Images. , 2020, , .		1
40	Design of Sliding Mode Controller using artificial delay. , 2014, , .		0
41	Harmonics Minimization in Inverter Using Fuzzy Controller-Based Photovoltaic Cell. Advances in Intelligent Systems and Computing, 2017, , 23-31.	0.5	0
42	Teachingâ€"Learning-Based Functional Link Artificial Neural Network for Short-Term Electrical Load Forecasting. Algorithms for Intelligent Systems, 2020, , 433-450.	0.5	0