

Alok Prakash Mittal

List of Publications by Year in descending order

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50
papers

756
citations

687363

13
h-index

580821

25
g-index

51
all docs

51
docs citations

51
times ranked

648
citing authors

#	ARTICLE	IF	CITATIONS
1	Performance analysis of two-degree of freedom fractional order PID controllers for robotic manipulator with payload. ISA Transactions, 2015, 58, 279-291.	5.7	116
2	ANN based self tuned PID like adaptive controller design for high performance PMSM position control. Expert Systems With Applications, 2014, 41, 7995-8002.	7.6	65
3	Design of two-layered fractional order fuzzy logic controllers applied to robotic manipulator with variable payload. Applied Soft Computing Journal, 2016, 47, 565-576.	7.2	51
4	Optimal Speed Control of Hybrid Electric Vehicles. Journal of Power Electronics, 2011, 11, 393-400.	1.5	43
5	Parallel fuzzy P+fuzzy I+fuzzy D controller: Design and performance evaluation. International Journal of Automation and Computing, 2010, 7, 463-471.	4.5	38
6	EEG signal enhancement using cascaded S-Golay filter. Biomedical Signal Processing and Control, 2017, 36, 194-204.	5.7	37
7	An adaptive PID like controller using mix locally recurrent neural network for robotic manipulator with variable payload. ISA Transactions, 2016, 62, 258-267.	5.7	35
8	Mental stress: Neurophysiology and its regulation by Sudarshan Kriya Yoga. International Journal of Yoga, 2017, 10, 67.	1.0	34
9	Selection of Most Relevant Input Parameters Using Waikato Environment for Knowledge Analysis for Gene Expression Programming Based Power Transformer Fault Diagnosis. Electric Power Components and Systems, 2014, 42, 1849-1861.	1.8	27
10	Performance Evaluation and Implementation of FPGA Based SGSF in Smart Diagnostic Applications. Journal of Medical Systems, 2016, 40, 63.	3.6	25
11	Playing Action Video Games a Key to Cognitive Enhancement. Procedia Computer Science, 2016, 84, 115-122.	2.0	24
12	Modeling and control of DSTATCOM for three-phase, four-wire distribution systems. , 2005, , .		21
13	Design of fractional order 2-DOF PI controller for real-time control of heat flow experiment. Engineering Science and Technology, an International Journal, 2019, 22, 215-228.	3.2	21
14	Modeling, Design and Analysis of Different Controllers for DSTATCOM. , 2008, , .		19
15	Power Quality Enhancement with DSTATCOM for Small Isolated Alternator feeding Distribution System. , 0, , .		18
16	Application of Battery Energy Operated System to Isolated Power Distribution Systems. , 2007, , .		15
17	Stability Analysis of Parallel Fuzzy P + Fuzzy I + Fuzzy D Control Systems. International Journal of Automation and Computing, 2013, 10, 91-98.	4.5	14
18	Optimum Design of Fractional-Order Hybrid Fuzzy Logic Controller for a Robotic Manipulator. Arabian Journal for Science and Engineering, 2017, 42, 739-750.	3.0	12

#	ARTICLE	IF	CITATIONS
19	Effect of Sudarshan Kriya (meditation) on gamma, alpha, and theta rhythm during working memory task. International Journal of Yoga, 2016, 9, 72.	1.0	11
20	Neural Network Based DSTATCOM Controller for Three-phase, Three-wire System. , 2006, , .		10
21	Wrapper based wavelet feature optimization for EEG signals. Biomedical Engineering Letters, 2012, 2, 24-37.	4.1	10
22	Application of DSTATCOM for Mitigation of Voltage Sag for Motor Loads in Isolated Distribution Systems. , 2006, , .		9
23	Artificial Neural Network based Controller and Speed Estimation of Permanent Magnet Synchronous Motor. , 2008, , .		9
24	Modelling and simulation of dual heating of substrate with centralized temperature control for anaerobic digestion process. Journal of Cleaner Production, 2021, 325, 129235.	9.3	9
25	Some investigations on fuzzy P + fuzzy I + fuzzy D controller for non-stationary process. International Journal of Automation and Computing, 2012, 9, 449-458.	4.5	7
26	Finite-state model predictive control of NPC inverter using multi-criteria fuzzy decision-making. International Transactions on Electrical Energy Systems, 2015, 25, 876-897.	1.9	7
27	Hardware efficient denoising system for real EOG signal processing. Journal of Intelligent and Fuzzy Systems, 2017, 32, 2857-2862.	1.4	7
28	Brain connectivity during encoding and retrieval of spatial information: individual differences in navigation skills. Brain Informatics, 2017, 4, 207-217.	3.0	7
29	Evolving Optimal Fuzzy Logic Controllers by Genetic Algorithms. IETE Journal of Research, 2004, 50, 179-190.	2.6	6
30	Performance comparison of UPQC and Active Power Filters for a non-linear load. , 2010, , .		6
31	Architecture, performance and stability analysis of a formula-based fuzzy I [∞] fuzzy P [∞] fuzzy D controller. Soft Computing, 2011, 15, 517-531.	3.6	5
32	Photovoltaic powered electric vehicle using PMSM drive scheme. International Journal of Vehicle Autonomous Systems, 2013, 11, 229.	0.2	5
33	Modelling of DSTATCOM for distribution system. International Journal of Energy Technology and Policy, 2006, 4, 142.	0.2	4
34	Electric vehicle propulsion system with fuzzy-logic-based DTC IPMSM drive. International Journal of Electric and Hybrid Vehicles, 2008, 1, 123.	0.3	4
35	Observer Based Position and Speed Estimation of Interior Permanent Magnet Motor. , 2006, , .		3
36	MATLAB-based modelling of Distribution STATCOM applied to isolated power system. International Journal of Energy Technology and Policy, 2006, 4, 274.	0.2	3

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37	Feedforward fuzzy logic control for permanent magnet synchronous motor drive. International Journal of Power Electronics, 2009, 1, 363.	0.2	3
38	Energy management system for a PV assisted conventional vehicle. International Journal of Energy Technology and Policy, 2013, 9, 144.	0.2	3
39	Sensorless DTC IM drive for an EV propulsion system using a neural network. International Journal of Electric and Hybrid Vehicles, 2008, 1, 403.	0.3	2
40	Recurrent and Feedforward Neural Network Control of Permanent Magnet Synchronous Motor. IETE Journal of Research, 2011, 57, 541.	2.6	2
41	High performance predictive current control of a three phase VSI: An experimental assessment. Sadhana - Academy Proceedings in Engineering Sciences, 2014, 39, 1295-1310.	1.3	2
42	Consequences of dust on solar photovoltaic module and its generation. , 2014, , .		2
43	Predictive torque and flux control of an induction machine drive using fuzzy multi-criteria decision making. Sadhana - Academy Proceedings in Engineering Sciences, 2017, 42, 343-352.	1.3	2
44	Sensorless Control Schemes for Permanent Magnet Synchronous Motor. , 2005, , .		1
45	DSTATCOM for power quality improvement in a four-wire electric distribution system. International Journal of Global Energy Issues, 2006, 26, 401.	0.4	1
46	Towards generalized expression for schemata count. Applied Soft Computing Journal, 2011, 11, 2134-2141.	7.2	1
47	Design, analysis and control of compensators for distribution power systems. International Journal of Energy Technology and Policy, 2007, 5, 730.	0.2	0
48	Inverse kinematics of manipulator using weighted fuzzy clustering method for fuzzy training data. International Journal of Artificial Intelligence and Soft Computing, 2009, 1, 176.	0.1	0
49	Artificial intelligence based control of 3D inverted pendulum. , 2012, , .		0
50	ELM-based sensorless speed control of permanent magnet synchronous machine. International Journal of Vehicle Autonomous Systems, 2013, 11, 190.	0.2	0