

Alok Prakash Mittal

List of Publications by Year in descending order

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Version: 2024-02-01

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	Modelling and simulation of dual heating of substrate with centralized temperature control for anaerobic digestion process. <i>Journal of Cleaner Production</i> , 2021, 325, 129235.	9.3	9
2	Design of fractional order 2-DOF PI controller for real-time control of heat flow experiment. <i>Engineering Science and Technology, an International Journal</i> , 2019, 22, 215-228.	3.2	21
3	EEG signal enhancement using cascaded S-Golay filter. <i>Biomedical Signal Processing and Control</i> , 2017, 36, 194-204.	5.7	37
4	Hardware efficient denoising system for real EOG signal processing. <i>Journal of Intelligent and Fuzzy Systems</i> , 2017, 32, 2857-2862.	1.4	7
5	Predictive torque and flux control of an induction machine drive using fuzzy multi-criteria decision making. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2017, 42, 343-352.	1.3	2
6	Brain connectivity during encoding and retrieval of spatial information: individual differences in navigation skills. <i>Brain Informatics</i> , 2017, 4, 207-217.	3.0	7
7	Optimum Design of Fractional-Order Hybrid Fuzzy Logic Controller for a Robotic Manipulator. <i>Arabian Journal for Science and Engineering</i> , 2017, 42, 739-750.	3.0	12
8	Mental stress: Neurophysiology and its regulation by Sudarshan Kriya Yoga. <i>International Journal of Yoga</i> , 2017, 10, 67.	1.0	34
9	Playing Action Video Games a Key to Cognitive Enhancement. <i>Procedia Computer Science</i> , 2016, 84, 115-122.	2.0	24
10	Design of two-layered fractional order fuzzy logic controllers applied to robotic manipulator with variable payload. <i>Applied Soft Computing Journal</i> , 2016, 47, 565-576.	7.2	51
11	Performance Evaluation and Implementation of FPGA Based SGSF in Smart Diagnostic Applications. <i>Journal of Medical Systems</i> , 2016, 40, 63.	3.6	25
12	An adaptive PID like controller using mix locally recurrent neural network for robotic manipulator with variable payload. <i>ISA Transactions</i> , 2016, 62, 258-267.	5.7	35
13	Effect of Sudarshan Kriya (meditation) on gamma, alpha, and theta rhythm during working memory task. <i>International Journal of Yoga</i> , 2016, 9, 72.	1.0	11
14	Performance analysis of two-degree of freedom fractional order PID controllers for robotic manipulator with payload. <i>ISA Transactions</i> , 2015, 58, 279-291.	5.7	116
15	Finite-state model predictive control of NPC inverter using multi-criteria fuzzy decision-making. <i>International Transactions on Electrical Energy Systems</i> , 2015, 25, 876-897.	1.9	7
16	Selection of Most Relevant Input Parameters Using Waikato Environment for Knowledge Analysis for Gene Expression Programming Based Power Transformer Fault Diagnosis. <i>Electric Power Components and Systems</i> , 2014, 42, 1849-1861.	1.8	27
17	High performance predictive current control of a three phase VSI: An experimental assessment. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2014, 39, 1295-1310.	1.3	2
18	Consequences of dust on solar photovoltaic module and its generation. , 2014, , .		2

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	Energy management system for a PV assisted conventional vehicle. International Journal of Energy Technology and Policy, 2013, 9, 144.	0.2	3
22	Photovoltaic powered electric vehicle using PMSM drive scheme. International Journal of Vehicle Autonomous Systems, 2013, 11, 229.	0.2	5
23	ELM-based sensorless speed control of permanent magnet synchronous machine. International Journal of Vehicle Autonomous Systems, 2013, 11, 190.	0.2	0
24	Artificial intelligence based control of 3D inverted pendulum. , 2012, , .		0
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	Wrapper based wavelet feature optimization for EEG signals. Biomedical Engineering Letters, 2012, 2, 24-37.	4.1	10
27	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
28	Towards generalized expression for schemata count. Applied Soft Computing Journal, 2011, 11, 2134-2141.	7.2	1
29	Recurrent and Feedforward Neural Network Control of Permanent Magnet Synchronous Motor. IETE Journal of Research, 2011, 57, 541.	2.6	2
30	Optimal Speed Control of Hybrid Electric Vehicles. Journal of Power Electronics, 2011, 11, 393-400.	1.5	43
31	Performance comparison of UPQC and Active Power Filters for a non-linear load. , 2010, , .		6
32	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
33	Feedforward fuzzy logic control for permanent magnet synchronous motor drive. International Journal of Power Electronics, 2009, 1, 363.	0.2	3
34	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
35	Artificial Neural Network based Controller and Speed Estimation of Permanent Magnet Synchronous Motor. , 2008, , .		9
36	Modeling, Design and Analysis of Different Controllers for DSTATCOM. , 2008, , .		19

#	ARTICLE	IF	CITATIONS
37	Electric vehicle propulsion system with fuzzy-logic-based DTC IPMSM drive. International Journal of Electric and Hybrid Vehicles, 2008, 1, 123.	0.3	4
38	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
39	Design, analysis and control of compensators for distribution power systems. International Journal of Energy Technology and Policy, 2007, 5, 730.	0.2	0
40	Application of Battery Energy Operated System to Isolated Power Distribution Systems. , 2007, , .		15
41	Neural Network Based DSTATCOM Controller for Three-phase, Three-wire System. , 2006, , .		10
42	Observer Based Position and Speed Estimation of Interior Permanent Magnet Motor. , 2006, , .		3
43	Application of DSTATCOM for Mitigation of Voltage Sag for Motor Loads in Isolated Distribution Systems. , 2006, , .		9
44	DSTATCOM for power quality improvement in a four-wire electric distribution system. International Journal of Global Energy Issues, 2006, 26, 401.	0.4	1
45	MATLAB-based modelling of Distribution STATCOM applied to isolated power system. International Journal of Energy Technology and Policy, 2006, 4, 274.	0.2	3
46	Modelling of DSTATCOM for distribution system. International Journal of Energy Technology and Policy, 2006, 4, 142.	0.2	4
47	Sensorless Control Schemes for Permanent Magnet Synchronous Motor. , 2005, , .		1
48	Modeling and control of DSTATCOM for three-phase, four-wire distribution systems. , 2005, , .		21
49	Evolving Optimal Fuzzy Logic Controllers by Genetic Algorithms. IETE Journal of Research, 2004, 50, 179-190.	2.6	6
50	Power Quality Enhancement with DSTATCOM for Small Isolated Alternator feeding Distribution System. , 0, , .		18