

sl no	Authors	Title	Journal Name	Volume	page number	Date of Publication	IF	DOI	ISSN	SCI/SCIE/SCOPUS	Journal (Open Access/Regular)	Publisher	Link of webpage
1	Nirav Patel; Ajay Kumar; Hemanshu Roy Pota; Ramesh C. Bansal; Nitin Gupta	Adaptive qXE-LMF Filter for Improving Power Quality Using Grid-Supporting Photovoltaic System	IEEE Systems Journal	17	2709 - 2720	22 February 2023	4.4	<a href="https://doi.org/10.1109/JST.2023.3241346">https://doi.org/10.1109/JST.2023.3241346</a>	1932-8184	SCIE	Regular	IEEE	<a href="https://ieeexplore.ieee.org/abstract/document/10049407">https://ieeexplore.ieee.org/abstract/document/10049407</a>
2	Souvik Bera, Sourav Chakraborty, Deepak Kumar, Nada Ali, Matti Lehtonen	Optimal deep learning based aggregation of TCLs in an inverter fed stand-alone microgrid for voltage unbalance mitigation	Electric Power Systems Research	210	108178	September 2022	3.9	<a href="https://doi.org/10.1016/j.epsr.2022.108178">https://doi.org/10.1016/j.epsr.2022.108178</a>	0378-7796	SCIE	Regular	Elsevier	<a href="https://www.sciencedirect.com/journal/electric-power-systems-research/vol/210/suppl/C">https://www.sciencedirect.com/journal/electric-power-systems-research/vol/210/suppl/C</a>
3	Abdullah Umar, Deepak Kumar, Tirthadip Ghose	Blockchain-based decentralized energy intra-trading with battery storage flexibility in a community microgrid system	Applied Energy	322	119544	15th September 2022	11	<a href="https://doi.org/10.1016/j.apenergy.2022.119544">10.1016/j.apenergy.2022.119544</a>	1872-9118	SCIE	Regular	Elsevier	<a href="https://www.sciencedirect.com/journal/applied-energy/vol/322/suppl/C">https://www.sciencedirect.com/journal/applied-energy/vol/322/suppl/C</a>

4	S. K. Jha, D. Kumar, P. R. Tripathi, B. Appasani, H. M. Zawbaa, S. Kamel	An adaptive vector control method for inverter-based stand-alone microgrids considering voltage reduction and load shedding schemes	IET Gener. Transm. Distrib.	17	2703-2717	11th April 2023	2.5	10.1049/gtd2.12839	1751-8695	SCIE	Open Access	IET	<a href="https://ietresearch.onlinelibrary.wiley.com/journal/17518695">https://ietresearch.onlinelibrary.wiley.com/journal/17518695</a>
5	Sumit Kumar Jha, Deepak Kumar, S. R. Samantaray	Conservation Voltage Reduction Strategy for Autonomous Microgrid with Improved Voltage-Current Droop-Based Inverter Control Framework	International Transactions on Electrical Energy Systems	2023	22	4th April 2023	2.3	10.1155/2023/2920936	2050-7038	SCIE	Open Access	Hindawi	<a href="https://www.hindawi.com/journals/itees/contents/year/2023/">https://www.hindawi.com/journals/itees/contents/year/2023/</a>
6	S. K. Jha, D. Kumar, P. R. Tripathi, S. R. Samantaray and I. Kamwa	Demand-Side Management of Self-Sustained Droop Based Standalone Microgrid Using Conservation Voltage Reduction Strategy	IEEE Systems Journal	17	2640-2651	23 November 2022	4.4	10.1109/JSYST.2022.3221307	1937-9234	SCIE	Regular	IEEE	<a href="https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=4267003">https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=4267003</a>
7	S. K. Jha, D. Kumar, D. K. Mohanta	Voltage reduction strategy for V-I droop-based stand-alone microgrid considering demand side management capability	Electrical Engineering	104	4451-4476	1st September 2022	1.8	10.1007/s00202-022-01632-2	1432-0487	SCIE	Regular	Springer	<a href="https://www.springer.com/journal/202">https://www.springer.com/journal/202</a>

8	Rajdip Debnath, G.S. Gupta, Deepak Kumar	Lyapunov-Krasovskii passivity based stability analysis of grid-tied inverters	International Journal of Electrical Power & Energy Systems	143	108460	December 2022	5.2	10.1016/j.ijepes.2022.108460	0142-0615	SCIE	Regular	Elsevier	<a href="https://www.sciencedirect.com/journal/international-journal-of-electrical-power-and-energy-systems/vol/143/suppl/C">https://www.sciencedirect.com/journal/international-journal-of-electrical-power-and-energy-systems/vol/143/suppl/C</a>
9	R. Debnath, G. S. Gupta, D. Kumar	Observer-based adaptive control and stabilization of grid-tied inverters under PLL nonlinearities and weak grid	Electrical Engineering	105	905-919	20 December 2022	1.8	10.1007/s00202-022-01705-2	1432-0487	SCIE	Regular	Springer	<a href="https://www.springer.com/journal/202">https://www.springer.com/journal/202</a>
10	N. Ali, D. Kumar	Voltage unbalance mitigation with space vector-based PN-sequence control scheme of inverter-interfaced DGs considering demand-side management capability	Electrical Engineering	105	883-903	4 January 2023	1.8	10.1007/s00202-022-01704-3	1432-0487	SCIE	Regular	Springer	<a href="https://www.springer.com/journal/202">https://www.springer.com/journal/202</a>
11	Sandip Kumar Gupta, T Ghose, Kalyan Chatterjee	Coordinated control of Incentive-Based Demand Response Program and BESS for frequency regulation in low inertia isolated grid	Electric Power Systems Research	209	108037	2022-8-1	3.9	<a href="https://doi.org/10.1016/j.ijepesr.2022.108037">https://doi.org/10.1016/j.ijepesr.2022.108037</a>	1873-2046	SCIE	Regular	ELSEVIER	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0378779622002620">https://www.sciencedirect.com/science/article/abs/pii/S0378779622002620</a>

12	Abhinandan Kumar, Tirthadip Ghose	An algorithm for contingency analysis of the AC-DC networks using modified Z-bus technique	Electric Power Systems Research	210	108138	2022-9-1	3.9	<a href="https://doi.org/10.1016/j.epsr.2022.108138">https://doi.org/10.1016/j.epsr.2022.108138</a>	1873-2046	SCIE	Regular	ELSEVIER	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0378779622003601">https://www.sciencedirect.com/science/article/abs/pii/S0378779622003601</a>
13	Sonal, Debomita Ghosh	Impact of Situational Awareness Attributes for Resilience Assessment of Active Distribution Networks Using Hybrid Dynamic Bayesian Multi Criteria Decision-making Approach	Reliability Engineering and System Safety,	228	108772	December 2022	7.2	<a href="https://doi.org/10.1016/j.ress.2022.108772">https://doi.org/10.1016/j.ress.2022.108772</a>	0951-8320	SCIE	Regular	Elsevier	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0951832022003957?via%3Dihub">https://www.sciencedirect.com/science/article/abs/pii/S0951832022003957?via%3Dihub</a>
14	Sourav Kumar Sahu, Soham Dutta, Millend Roy, Debomita Ghosh, Dusmanta Kumar Mohanta	Machine learning based adaptive fault diagnosis considering hosting capacity amendment in active distribution network	Electric Power Systems Research	216	1-15	March 2023	3.9	<a href="https://doi.org/10.1016/j.epsr.2022.109025">https://doi.org/10.1016/j.epsr.2022.109025</a>	1873-2046	SCIE	Regular	Elsevier	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0378779622010744?via%3Dihub">https://www.sciencedirect.com/science/article/abs/pii/S0378779622010744?via%3Dihub</a>
15	Nilesh Kumar Rajalwal, Debomita Ghosh	SIPS based Resilience Augmentation of Power System Network	Electrical Engineering	105	827-851	December 2022	1.6	<a href="https://doi.org/10.1007/s00202-022-01700-7">https://doi.org/10.1007/s00202-022-01700-7</a>	2045-2322	SCIE	Regular	Springer	<a href="https://link.springer.com/article/10.1007/s00202-022-01700-7">https://link.springer.com/article/10.1007/s00202-022-01700-7</a>

16	Deep Shekhar Acharya, Sudhansu Kumar Mishra, Subrat Kumar Swain, Subhojit Ghosh	Real-Time Implementation of Fractional-Order PID Controller for Magnetic Levitation Plant with Time Delay	IEEE Transactions on Instrumentation and Measurement	71	1-11	01 November 2022	5.6	10.1109/TIM.2022.3218566	1557-9662	SCIE	Regular	IEEE	<a href="https://ieeexplore.ieee.org/abstract/document/9934927">https://ieeexplore.ieee.org/abstract/document/9934927</a>
17	Amit Kumar Sahoo, Sudhansu Kumar Mishra, Deep Shekhar Acharya, Sitanshu Sekhar Sahu, Sanchita Paul, Vikash Kumar Gupta	Identification and Control of Maglev System using Fractional and Integer Order PID Controller	Journal of Intelligent & Fuzzy Systems	44	7277-7289	04 May 2023	2	10.3233/JIFS-222238	1875-8967	SCIE	Regular	iOS Press	<a href="https://content.iospress.com/articles/journal-of-intelligent-and-fuzzy-systems/ifs222238">https://content.iospress.com/articles/journal-of-intelligent-and-fuzzy-systems/ifs222238</a>
18	Amit Kumar Sahoo, Sudhansu Kumar Mishra, Deep Shekhar Acharya, Sarbani Chakraborty, Subrat Kumar Swain	A Comparative Evaluation of a set of Bio-Inspired Optimisation Algorithms for Design of Two-DOF Robust FO-PID Controller for Magnetic Levitation Plant	Electrical Engineering	105	3033-3054	27 May 2023	1.8	10.1007/s00202-023-01867-7	1432-0487	SCIE	Regular	Springer	<a href="https://link.springer.com/article/10.1007/s00202-023-01867-7#article-info">https://link.springer.com/article/10.1007/s00202-023-01867-7#article-info</a>
19	Utkal Ranjan Muduli, Bheemaiah Chikondra, Mohammad Junaid Akhtar, Omar Al Zaabi, Khalifa Al Hosani, Ranjan Kumar Behera	Comparison of SVPWM Techniques Under Switching Loss Control for Induction Motor Drive With LC Filters	IEEE Transactions on Industry Applications	59	1849-1862	26 December 2022	4.4	10.1109/TIA.2022.3231841	1939-9367	SCIE	Open Access	IEEE	<a href="https://ieeexplore.ieee.org/abstract/document/9999054">https://ieeexplore.ieee.org/abstract/document/9999054</a>

20	Chetna Nagpal & Prabhat Kumar Upadhyay	A multi-scale channel-wise convolution-based multi-level heat stress assessment	Neural Computing and Applications	34	19181-19191	03 July 2022	6	10.1007/s00521-022-07518-5	1433-3058	SCIE	Regular	springer	<a href="https://link.springer.com/article/10.1007/s00521-022-07518-5">https://link.springer.com/article/10.1007/s00521-022-07518-5</a>
21	Niteesha Kumari, S. Shiva Kumar & V. Laxmi	Self-balanced single-inductor single-input multiple-output bipolar DC-DC converter based on SEPIC-Ćuk combination with no cross-regulation	Electrical Engineering (Springer)	105	1267-1285	11 January 2023	1.8	<a href="https://doi.org/10.1007/s00202-022-01730-1">https://doi.org/10.1007/s00202-022-01730-1</a>	1432-0487	SCIE	Regular	Springer	<a href="https://www.springer.com/journal/202">https://www.springer.com/journal/202</a>
22	Deep Shekhar Acharya, Sudhanshu Kumar Mishra, Subrat Kumar Swain, Subhojit Ghosh	Real-Time Implementation of Fractional-Order PID Controller for Magnetic Levitation Plant with Time Delay	IEEE Transactions on Instrumentation & Measurement	71	1-11	01-11-2022	5.3	10.1109/TIM.2022.3218566	0018-9456 / 1557-9662	SCIE	Open Access	IEEE	<a href="https://ieeexplore.ieee.org/abstract/document/9934927">https://ieeexplore.ieee.org/abstract/document/9934927</a>
23	Subhranil Das, Sudhansu Kumar Mishra	A Machine Learning Approach for Collision Avoidance and Path Planning of Mobile Robot under Dense and Cluttered Environments	Computers and Electrical Engineering	103	1-12	Oct 2022	4.2	<a href="https://doi.org/10.1016/j.compeleceng.2022.108376">https://doi.org/10.1016/j.compeleceng.2022.108376</a>	0045-7906 / 1879-0755	SCIE	Regular	Elsevier	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0045790622005936?via%3Dihub">https://www.sciencedirect.com/science/article/abs/pii/S0045790622005936?via%3Dihub</a>
24	Subhranil Mishra, Sudhansu Kumar Mishra	Collision Avoidance and Path Planning for Mobile Robots Based on State Estimation Approach	Journal of Intelligent and Fuzzy Systems	44	5991-6002	03-04-2023	1.7	10.3233/JIFS-221426	1064-1246 / 1875-8967	SCIE	Regular	Journal of Intelligent and Fuzzy Systems	<a href="https://content.iospress.com/articles/journal-of-intelligent-and-fuzzy-systems/ifs221426">https://content.iospress.com/articles/journal-of-intelligent-and-fuzzy-systems/ifs221426</a>

25	A K Sahoo, S K Mishra, D S Acharya, S S Sahu, Sanchita Paul, V K Gupta	Identification and control of Maglev system using fractional and integer order PID controller” Journal of Intelligent and Fuzzy Systems	Journal of Intelligent and Fuzzy Systems	44	7277-7289	04-05-2023	1.7	10.3233/JIFS-222238	1064-1246 / 1875-8967	SCIE	Regular	Journal of Intelligent and Fuzzy Systems	<a href="https://content.iospress.com/articles/journal-of-intelligent-and-fuzzy-systems/ifs222238">https://content.iospress.com/articles/journal-of-intelligent-and-fuzzy-systems/ifs222238</a>
26	Priya Dubey, Surendra Kumar	Higher-order sliding mode control for androgen deprivation therapy	Journal of Electrical Engineering & Technology	18	527-537	2022-7	1.9	<a href="https://doi.org/10.1007/s42835-022-01150-y">https://doi.org/10.1007/s42835-022-01150-y</a>	2093-7423	SCIE	Hybrid	Springer Nature Singapore	<a href="https://link.springer.com/article/10.1007/s42835-022-01150-y">https://link.springer.com/article/10.1007/s42835-022-01150-y</a>
27	Aparna Arunkumar Gautam, Vijaya Laxmi,	Hardware Design and Implementation of FPGA Controlled Seven-Level Reduced Switch MLI	IETE Journal of Research	69		27-02-2023		<a href="https://doi.org/10.1080/03772063.2023.2181231">https://doi.org/10.1080/03772063.2023.2181231</a>	0974-780X	SCIE	Regular	Taylor & Francis	<a href="https://www.tandfonline.com/doi/full/10.1080/03772063.2023.2181231">https://www.tandfonline.com/doi/full/10.1080/03772063.2023.2181231</a>
28	Vijay Kumar Karan, Aftab Alam & Amarnath Thakur	Hybrid control using fuzzy logic and adaptive space vector modulation for reduction of torque ripples in PM-BLDC motor drive	Journal of Engineering and Applied Science	70	Jan-24	26-06-2023		<a href="https://doi.org/10.1186/s44147-023-00238-0">https://doi.org/10.1186/s44147-023-00238-0</a>	2536-9512	SCOPUS	OA	Springer	<a href="https://jeas.springeropen.com/articles/10.1186/s44147-023-00238-0">https://jeas.springeropen.com/articles/10.1186/s44147-023-00238-0</a>
29	Meghraj Morey, Nitin Gupta, Man Mohan Garg, Ajay kumar	Performance analysis of voltage sensorless based controller for two-stage grid-connected solar PV system	International Journal of Power Electronics and Drive Systems (IJPEDS)	14	444~452	1 March 2023		10.11591/ijpeds.v14.i1.pp444-452	1879-3517	SCOPUS	Regular	Institute of Advanced Engineering and Science (IAES)	<a href="https://ijpeds.iaescore.com/index.php/IJPEDS/article/view/22119">https://ijpeds.iaescore.com/index.php/IJPEDS/article/view/22119</a>

30	Souvik Bera, Gauri Shanker Gupta, Deepak Kumar, S. Shiva Kumar, Karunesh Kumar Gupta	LSTM-UKF framework for an effective global land-ocean index temperature prediction	Journal of Ambient Intelligence and Humanized Computing	14	2369-2384	13/12/2022		<a href="https://doi.org/10.1007/s12652-022-04491-8">https://doi.org/10.1007/s12652-022-04491-8</a>	1868-5145	SCOPUS	Hybrid	Springer	<a href="https://link.springer.com/article/10.1007/s12652-022-04491-8">https://link.springer.com/article/10.1007/s12652-022-04491-8</a>
31	Archana Pandita, Prabhat Kumar Upadhyay and Nisheeth Joshi	Implementation of a hybrid adaptive system for SLA violation prediction in cloud computing	International Journal of Cloud Computing	11	389-406	28-Jul-22		10.1504/IJC.C.2022.124806	2043-9989	SCOPUS	Regular	INDERS CIENCE	Implementation of a hybrid adaptive system for SLA violation prediction in cloud computing   International Journal of Cloud Computing (inderscienceonline.com)
32	Prity Soni; Debasmita Mondal; Pankaj Mishra	Comparative Evaluation of Deep Learning CNN Techniques for Power Quality Disturbance Classification.	Journal of Mines, Metals & Fuels	71	627-631	45111	0.1	<a href="https://doi.org/10.18311/jmmf/2023/34161">https://doi.org/10.18311/jmmf/2023/34161</a>	0022-2755	SCOPUS	Regular	INSIO Scientific Books and Periodicals	<a href="https://shorturl.at/ajmwj">https://shorturl.at/ajmwj</a>
33	Prabhat Kumar Ranjan and Sarode Shiva Kumar	A MODEL PREDICTIVE CURRENT CONTROL STRATEGY FOR GRID-CONNECTED SINGLE-STAGE BOOST INVERTER IN SOLAR PHOTOVOLTAIC SYSTEMS	Mechatronic Systems and Control	51	86-96	2023	-	10.2316/J.2023.201-0305	2561-178X	SCOPUS	Regular	Non Paid	ACTA Press