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S. No	Title of paper	Name of journal	Name of the author/s	Volume, Issue & article no	ISSN number	Year of publication	Is it listed in UGC Care list/Scopus/ Web of Science/other , mention	Impact factor	H index	doi	Page No.	Link to article/paper/abstract of the article	citation
1	An improved nested 3-phase 5-level MLI design with optimized output voltage and total harmonic distortion	Engineering Research Express	S Sivamani, SP Mangaiyarkarasi, S Senthilkumar	Vol.6; no.2	26318695	2024	scopus & Web of science	1.7	19	DOI:10.1088/2631-8695/ad43bc	pp.1-16	https://iopscience.iop.org/article/10.1088/2631-8695/ad43bc/meta	0
2	Experimental design and analysis of advanced three phase converter for PV application with WCO-P&O MPPT controller	Scientific Reports	K. Krishnaram, S. Sivamani, Zuhair Alaas, M. M. R. Ahmed, S. Senthilkumar & S. Antony Raj	14, Article number: 10984	ISSN 2045-2322 (online)	2024	SCI	4.6	315	https://doi.org/10.1038/s41598-024-61856-z	pp.1-13	https://www.nature.com/articles/s41598-024-61856-z	0

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3	Growth, investigation of calcium D-gluconate monohydrate-CDG crystals with shocked impact for electronic usage and the pure crystal for sensor application	Journal of Materials Science: Materials in Electronics	B.Padmanaban , V.Yokeswaran , K.Senthilkannan and V.Swarnalatha	Vol.35, 12(1),article no: 832	online:1573-482X, print:0957-4522	2024	SCI	2.8	97	https://doi.org/10.1007/s10073-024-12579-4	pp.1-16	https://www.springerprofessional.de/growth-investigation-of-calcium-d-gluconate-monohydrate-cdg-crys/27010018	0
4	Advanced Machine Learning-Driven Security and Anomaly Identification in Inverter-Based Cyber-Physical Microgrids	Electric Power Components and Systems	K.Gokulraj & C.B. Venkatraman		Print ISSN: 1532-5008 Online ISSN: 1532-5016	2024	SCIE, scopus	1.5	63	https://doi.org/10.1080/15325008.2024.2346790		https://doi.org/10.1080/15325008.2024.2346790	0
5	IoT-integrated smart energy management system with enhanced ANN controller for small-scale microgrid	Electrical Engineering	Alex Mariyaraj, Suresh Padmanabhan Thankappan		Electronic ISSN, rint ISSN 0948-7921 online issn: 1432-0487 ;	2024	SCIE, scopus	1.8	44	DOI:10.1007/s00202-024-02448-y		https://link.springer.com/article/10.1007/s00202-024-02448-y	0
6	Design and analysis of solitary AC-AC	Scientific Reports	K. Nandakumar,	vol.14, issue.1,	ISSN 2045-2322 (onli	2024	SCI	4.6	315	https://doi.org	pp.1-16	https://www.nature.co	0

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	converter using reduced components for efficient power generation system		V.Mohan, Faisal Alsaif & S. Senthilkumar	Article number: 9323	ne)					/10.1038/s41598-024-60230-3,		m/articles/41598-024-60230-3	
7	Development of grey wolf optimization based modified fast terminal sliding mode controller for three phase interleaved boost converter fed PV system	Scientific Reports	K. Krishnaram, T. Suresh Padmanabhan, Faisal Alsaif & S. Senthilkumar	vol.14, issue.1, Article number: 9256	ISSN 2045-2322 (online)	2024	SCI	4.6	315	https://doi.org/10.1038/s41598-024-59900-z	pp.1-14	https://www.nature.com/articles/41598-024-59900-z	2
8	Performance optimization of interleaved boost converter with ANN supported adaptable stepped-scaled P&O based MPPT for solar powered applications	Scientific Reports	K. Krishnaram, T. Suresh Padmanabhan, Faisal Alsaif & S. Senthilkumar	vol.14, issue.1, Article number: 8115	ISSN 2045-2322 (online)	2024	SCI	4.6	315	https://doi.org/10.1038/s41598-024-58852-8	PP.1-17	https://www.nature.com/articles/41598-024-58852-8	3
9	A quad DC source switched three-phase multilevel DC-link inverter topology	Scientific Reports	S. Sivamani, S. P. Mangaiyarkarasi, R. Gandhi Raj & S. Senthilkumar	vol.14. issue.1, Report 14, article no.2065	0948-7921	2024	SCI	4.44.	282	https://doi.org/10.1038/s41598-024-52605-3	pp.1-15	https://www.nature.com/articles/41598-024-52605-3	0

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10	Application of Flower Pollination Algorithm for Solving Complex Large-Scale Power System Restoration Problem Using PDFFC Controllers	HindawiComplexity	G. Ganesan Subramanian, Albert Stonier, Genopeter, Vivekananda Ganji	Volume 2022, Article ID 7157524,	1076-2787	2022	SCI	2.833	79	https://doi.org/10.1155/2022/7157524	pp.1-12	https://onlinelibrary.wiley.com/doi/epdf/10.1155/2022/7157524	3
11	An Optimized Deep Learning Approach for Predicting the Electric Motor Temperature Using IOT Sensors	Electric Power Components and Systems	Mayapandi Mokkaayan, Suresh Padmanabhan Thankappan	Vol.52, no.01,	15325016, 15325008	2023	SCI	2.03	58	https://www.tandfonline.com/doi/full/10.1080/15325008.2023.227194	pp.55-66	https://www.tandfonline.com/doi/full/10.1080/15325008.2023.227194	0
12	Improved Dynamic Response of a Single-Phase-Integrated KY Boost Converter with an MLI System of a DC-AC Converter in Motor Speed Regulation	International Transactions on Electrical Energy Systems	V Mohan, K Nandakumar	Vol.2023, issue-1	issn 2050-7038, eISSN2050-7038	2023	SCI	1.9	56	https://doi.org/10.1155/2023/8830451	pp.1-14	https://onlinelibrary.wiley.com/doi/full/10.1155/2023/8830451	0

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13	A Water Cycle Approach for Maximum Power Point Tracking through an Interleaved Boost Converter	Electric Power Components and Systems	Krishnaram. K, Suresh Padmanabhan, T	Vol.51, issue.20	15325016, 15325008	2023	SCI	2.03	58	https://doi.org/10.1080/15325008.2023.2210572	pp. 2474-2486	https://www.tandfonline.com/doi/abs/10.1080/15325008.2023.2210572	3
14	Planning and Optimization of Energy Scheduling in Cohesive Renewable Energy Microgrid to Meet Electric Load Demand of an Educational Institution	Journal of electrical engineering & Technology	G.Jaya bharathi, T.Suresh Padmanabhan	Vol.17,	19750102	2022	SCI	2.42	34	10.1007/s42835-022-01138-8	pp.3207-3221	https://link.springer.com/article/10.1007/s42835-022-01138-8	2
15	Soliton propagation in colloidal suspension: Numerical simulation and modulation instability	Neuro Quantology	S. Senthilkumar, V. Mohan, T. Senthil Kumar, G. Chitrakala	Vol.20, issue:7	13035150	2022	Scopus	0.453	-	10.14704/nq.2022.20.7.NQ33295	pp.2277-2284	DOI:10.14704/nq.2022.20.7.NQ33295	3
16	A Three-Phase Reduced Switch Count Multilevel Inverter Topology	International Transactions on Electrical Energy Systems	S. Sivamani, V. Mohan	Vol.2022,	20507038	2022	SCI	2.83	51	https://doi.org/10.1155/2022/6193731	pp.1-16	https://www.hindawi.com/journals/itees/2022/6193731/	9

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17	Design and analysis of a photovoltaic powered charging station for plug in hybrid electric vehicles in college campus	IET Electrical Systems in Transportation	Sureshbabu, Suresh Padmanabhan, Ganesan Subramanian, Albert Alexander Stonier, Genopeter, Vivekananda Ganji	Vol.12, issue.4	20429738, 20429746	2022	SCI	3.14	35	10.1049/els2.12060	pp.358 – 368	https://digital-library.theiet.org/content/journals/10.1049/els2.12060	6
18	Design of microstrip antenna using high frequency structure simulator for 5G applications at 29 GHz resonant frequency	International Journal of Advanced Technology and Engineering Exploration,	Senthilkumar S, Udhayanila K, Mohan V, Senthil Kumar T, Devarajan D, Chitrakala G	Vol.9,	23945443, 23947454	2022	Scopus	1.03	6	http://dx.doi.org/10.19101/IJATEE.2021.875500	pp.996-1008	https://www.accentjournals.org/paperInfo.php?journalPaperId=1447	3
19	Estimation of Locational Marginal Pricing Using Hybrid Optimization Algorithms	Intelligent automation & Soft computing	M. Bhoopathi, P.Palanivel	vol.31, no.1,	10798587, 2326005X	2022	Scopus	2.34.	31	https://doi.org/10.32604/iasc.2022.017705	pp.143-159,	https://www.techscience.com/iasc/v31n1/44286/pdf	3
20	Analysis of Single-Diode PV Model and Optimized MPPT Model for Different	International Transactions on Electrical Energy	S. Senthilkumar, V. Mohan, S. P.	vol. 2022, no.4980843,	20507038	2022	SCI	2.83	51	https://doi.org/10.1155/2022	pp:1-17,	hindawi.com/journals/itees/2022/4980843/	50

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	Environmental Conditions	Systems	Mangaiyarkarasi and M. Karthikeyan,							2/4980843			
21	Studies on copper indium selenide/Zinc sulphide semiconductor quantum dots for solar cell applications	Chalcogenide Letters	P. J. Suresh Babu, T. Suresh Padmanabhan, M. I. Ahamed, A. Sivaranjani	vol. 18, no. 11,	15848663	2021	SCI	1.05	33	https://doi.org/10.15251/C.L.2021.1811.701	pp: 701 – 715,	https://chalcogen.ro/701_SureshPJS.pdf	12
22	A brief review of the development path of artificial intelligence and its subfields	International Journal of Engineering Technologies and Management Research	Krithiga G , Mohan V, Senthilkumar S	Vol.10, no.6,	2454-1907	2023	Google Scholar	-	-	https://doi.org/10.29121/ijetmr.v10.i6.2023	pp.1-12	https://www.granthaalayahpublication.org/ijetmr-articles/view/IJETMR23_A05_1331	1
23	An efficient optimized mppt for pv system	International Journal of	B. Lakshanya Sri, V. Mohan,	Vol.11, no.5,	2350-0530, 2394-3629	2023	Google Scholar	-	-	https://doi.org	pp.9-22	https://www.granthaal	2

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24	Step up fuzzy controller dc-dc switching converter with single switch and multi-outputs based on Luo topology	International Journal of Creative Research Thoughts (IJCRT)	Dr. V Mohan, A. Anithkumar	Vol.11,issue:6,	2320-2882	2023	Google Scholar	7.91	-	-	pp. f487-f496	ijcrt.org/papers/IJCRT2306633.pdf	0
25	Elimination of Harmonics in Multilevel Inverter Using Multi-Group Marine Predator Algorithm-Based Enhanced RNN	International Transactions on Electrical Energy Systems	G. Krithiga V. Mohan	Vol.2022, id-8004425	ISSN (Online): 2050-7038	2022	SCI	IF: 2.639		https://doi.org/10.1155/2022/8004425	pp.1-13	hindawi.com/journals/itees/2022/4980843/	15
26	A novel neural network model for shrimp segmentation to detect white spot syndrome	Journal of Intelligent & Fuzzy Systems	Ramachandran Lakshmanan, Mohan Veerasamy	Vol.43	ISSN: 1064-1246 (print), 1875-8967 (online)	2022	SCI	IF: 1.737		DOI:10.3233/JIFS-220172	pp.1453-1466	www.iospress.com > catalog > journals > journal	6
27	IoT based fault identification in solar photovoltaic systems	Journal of Intelligent & Fuzzy Systems	V. Mohan, S. Senthilkumar	Vol.43	ISSN: 1064-1246 (print),	2022	SCI	IF: 1.737		DOI:10.3233/JIFS-	pp.3087-3100	www.iospress.com > catalog >	21

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28	Solar Powered Pesticide Sprayer with Mobile Charger and LED Light	International Journal of Innovative Science and Research Technology.	S. Senthilkumar, V. Mohan, T. Senthil Kumar, G. Chitrakala, L. Ramachandran & D. Devarajan	Vol.7,issue-4	ISSN 2456-2165 (Online)	2022	ESCI			https://ijisrt.com/assets/uploads/files/IJISRT22APR345_(1).pdf		https://www.ijisrt.com/solar-powered-pesticide-sprayer-with-mobile-charger-and-led-light	7