

# Gupta Shubhrata

## List of Publications by Year in descending order

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26  
papers

473  
citations

1040056

9  
h-index

839539

18  
g-index

26  
all docs

26  
docs citations

26  
times ranked

363  
citing authors

| #  | ARTICLE                                                                                                                                                                                                                     | IF  | CITATIONS |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1  | A Deep Attention based U-Net for Airways Segmentation in Computed Tomography Images. Current Medical Imaging, 2022, 18, .                                                                                                   | 0.8 | 0         |
| 2  | A novel two-terminal fault location approach utilizing traveling-waves for series compensated line connected to wind farms. Electric Power Systems Research, 2021, 198, 107362.                                             | 3.6 | 11        |
| 3  | An improved symbol reduction technique based Huffman coder for efficient entropy coding in the transform coders. IET Image Processing, 2021, 15, 1008-1022.                                                                 | 2.5 | 1         |
| 4  | Open-Switch Fault Tolerance Capabilities of Some Reduced Device Count Multilevel Inverter Topologies. Iranian Journal of Science and Technology - Transactions of Electrical Engineering, 2020, 44, 253-264.                | 2.3 | 1         |
| 5  | Intrinsic time decomposition based fault location scheme for unified power flow controller compensated transmission line. International Transactions on Electrical Energy Systems, 2020, 30, e12585.                        | 1.9 | 9         |
| 6  | Image-independent optimal non-negative integer bit allocation technique for the DCT-based image transform coders. IET Image Processing, 2020, 14, 11-24.                                                                    | 2.5 | 3         |
| 7  | Resilient multilevel inverter topology with improved reliability. IET Power Electronics, 2020, 13, 3384-3395.                                                                                                               | 2.1 | 14        |
| 8  | Empirical Mode Decomposition Assisted Fault Localization for UPFC Compensated System. , 2020, , .                                                                                                                           |     | 4         |
| 9  | Automated Localized Approach for Airway Segmentation in 3D Chest CT Volume. Biomedical and Pharmacology Journal, 2020, 13, 1671-1682.                                                                                       | 0.5 | 0         |
| 10 | Modified GSA for minimisation of THD of voltage source multilevel inverter. International Journal of Power Electronics, 2020, 12, 191.                                                                                      | 0.2 | 0         |
| 11 | Reliability and energy sharing analysis of a fault-tolerant multilevel inverter topology. IET Power Electronics, 2019, 12, 759-768.                                                                                         | 2.1 | 12        |
| 12 | Improved Optimum Nonnegative Integer Bit Allocation Algorithm Using Fuzzy Domain Variance Estimation and Refinement for the Wavelet-Based Image Compression. Circuits, Systems, and Signal Processing, 2019, 38, 3880-3900. | 2.0 | 0         |
| 13 | Approach to synthesis of fault tolerant reduced device count multilevel inverters (FT RDC MLIs). IET Power Electronics, 2019, 12, 476-482.                                                                                  | 2.1 | 25        |
| 14 | Fault-tolerant operation of some reduced-device-count multilevel inverters with improved performance. International Transactions on Electrical Energy Systems, 2019, 29, e2731.                                             | 1.9 | 6         |
| 15 | Single-phase multilevel inverter topologies with self-voltage balancing capabilities. IET Power Electronics, 2018, 11, 844-855.                                                                                             | 2.1 | 76        |
| 16 | Reliability Analysis of a Novel Fault Tolerant Multilevel Inverter Topology. , 2018, , .                                                                                                                                    |     | 3         |
| 17 | Fault Tolerant Analysis of Single Phase Multilevel Inverter. , 2018, , .                                                                                                                                                    |     | 4         |
| 18 | Fault Tolerance and Energy Sharing Analysis of a Single Phase Multilevel Inverter Topology. , 2018, , .                                                                                                                     |     | 3         |

| #  | ARTICLE                                                                                                                                                                        | IF  | CITATIONS |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Development of fault-tolerant MLI topology. IET Power Electronics, 2018, 11, 1416-1424.                                                                                        | 2.1 | 38        |
| 20 | Fuel cell power conditioning unit for standalone application with real time validation. International Journal of Hydrogen Energy, 2018, 43, 14629-14637.                       | 7.1 | 5         |
| 21 | Dense traffic flow patterns mining in bi-directional road networks using density based trajectory clustering. Advances in Data Analysis and Classification, 2017, 11, 547-561. | 1.4 | 9         |
| 22 | Reliability improvement of transistor clamped H-bridge-based cascaded multilevel inverter. IET Power Electronics, 2017, 10, 770-781.                                           | 2.1 | 34        |
| 23 | Hybrid WPT-BDCT transform for high-quality image compression. IET Image Processing, 2017, 11, 899-909.                                                                         | 2.5 | 8         |
| 24 | Reduction in number of devices for symmetrical and asymmetrical multilevel inverters. IET Power Electronics, 2016, 9, 698-709.                                                 | 2.1 | 100       |
| 25 | A Single-Phase Cell-Based Asymmetrical Cascaded Multilevel Inverter. Journal of Power Electronics, 2016, 16, 532-541.                                                          | 1.5 | 8         |
| 26 | Hybrid topology of symmetrical multilevel inverter using less number of devices. IET Power Electronics, 2015, 8, 2125-2135.                                                    | 2.1 | 99        |