

Shrikrishna V Kulkarni

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Graph Theory Based Voltage Sag Mitigation Cluster Formation Utilizing Dynamic Voltage Restorers in Radial Distribution Networks. IEEE Transactions on Power Delivery, 2022, 37, 18-28.	4.3	13
2	A Novel Cost-Effective Magnetic Characterization Tool for Soft Magnetic Materials Used in Electrical Machines. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-8.	4.7	5
3	Allocation of Common-Pool Resources in an Unmonitored Open System. IEEE Transactions on Power Systems, 2019, 34, 3912-3920.	6.5	5
4	Hybrid storage system sizing for minimum daily variability injection. , 2019, , .		0
5	DFT-Based Sizing of Battery Storage Devices to Determine Day-Ahead Minimum Variability Injection Dispatch With Renewable Energy Resources. IEEE Transactions on Smart Grid, 2019, 10, 626-638.	9.0	14
6	Flexible Power Electronic Converters for Producing AC Superimposed DC (ACsDC) Voltages. IEEE Transactions on Industrial Electronics, 2018, 65, 3145-3156.	7.9	9
7	DFT-based sizing of battery storage devices to determine day-ahead minimum variability injection dispatch with renewable energy resources. , 2018, , .		2
8	Influence of Contact Plate Parameters and Eddy Currents on Residual Flux Decay in AMF-Type Vacuum Interrupters. IEEE Transactions on Power Delivery, 2018, 33, 2812-2821.	4.3	4
9	Electromagnetic cloaking in higher order spherical cloaks. Applied Physics B: Lasers and Optics, 2017, 123, 1.	2.2	1
10	A critical review on the methods for calculating the risk of process failure because of voltage sags. , 2016, , .		1
11	Loss separation in chosen grades of grain-oriented steel. , 2016, , .		2
12	Modified dual-transformer based asymmetrical dual-bridge (MDT-ADB) isolated DC-DC converter. , 2016, , .		1
13	Analysis of Buckling Strength of Inner Windings in Transformers Under Radial Short-Circuit Forces. IEEE Transactions on Power Delivery, 2014, 29, 241-245.	4.3	48
14	Coupled Electromagnetic-Structural Analysis of the Spiraling Phenomenon in a Helical Winding of a Power Transformer. IEEE Transactions on Power Delivery, 2014, 29, 235-240.	4.3	29
15	Dynamic Loss Inclusion in the Jilesâ€™Atherton (JA) Hysteresis Model Using the Original JA Approach and the Field Separation Approach. IEEE Transactions on Magnetics, 2014, 50, 369-372.	2.1	51
16	A novel dq-vector based control for the three phase active rectifier in a power electronic transformer. , 2013, , .		11
17	Localization of deformations in transformer windings using terminal capacitance measurements. , 2013, , .		1
18	Eigenvalue Analysis for Investigation of Tilting of Transformer Winding Conductors Under Axial Short-Circuit Forces. IEEE Transactions on Power Delivery, 2011, 26, 2505-2512.	4.3	12

#	ARTICLE	IF	CITATIONS
19	Analysis of Five-Legged Transformer Used for Parallel Operation of Rectifiers by Coupled Circuit-Field Approach. IEEE Transactions on Power Delivery, 2011, 26, 607-616.	4.3	7
20	Analysis of winding disk in transformer under action of axial electromagnetic forces by Green's function approach. International Journal of Applied Electromagnetics and Mechanics, 2010, 34, 237-247.	0.6	2
21	A novel approach for on-line deformation diagnostics of transformer windings. , 2010, , .		10
22	Analytical Description of the Load-Loss Asymmetry Phenomenon in Three-Phase Three-Limb Transformers. IEEE Transactions on Power Delivery, 2009, 24, 695-702.	4.3	3
23	Approaches for Numerical Simulation of Partial Discharges. , 2008, , .		1
24	High frequency AC-DC converter for high current applications. , 2008, , .		1
25	Analysis of Sympathetic Inrush Phenomena in Transformers Using Coupled Field-Circuit Approach. IEEE Power Engineering Society General Meeting, 2007, , .	0.0	19
26	Asymmetry During Load-Loss Measurement of Three-Phase Three-Limb Transformers. IEEE Transactions on Power Delivery, 2007, 22, 1566-1574.	4.3	11
27	Analysis of parallel operation of converters with interphase transformer. , 2006, , .		13