

# T S Bhatti

## List of Publications by Year in descending order

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32  
papers

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g-index

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docs citations

32  
times ranked

364  
citing authors

#	ARTICLE	IF	CITATIONS
1	Interconnection of Rural Microgrids and its Control. IETE Journal of Research, 2023, 69, 1705-1714.	2.6	1
2	Improved Gaussian Filter Based Solar PV-BES Microgrid With PLL Based Islanding Detection and Seamless Transfer Control. IEEE Transactions on Industrial Electronics, 2022, 69, 5815-5825.	7.9	18
3	MAF-DCGI Based Single-Phase Uninterrupted PV-Battery System Under Unintentional Islanding. IEEE Transactions on Energy Conversion, 2022, 37, 36-49.	5.2	7
4	Dynamic Stability Study of Isolated Rural Microgrid Based on Load Characteristics. , 2020, , .		2
5	Frequency Regulation Scheme Based on Virtual Synchronous Generator for an Isolated Microgrid. , 2020, , .		3
6	Modeling of HVDC Tie Links and Their Utilization in AGC/LFC Operations of Multiarea Power Systems. IEEE Transactions on Industrial Electronics, 2019, 66, 2185-2197.	7.9	66
7	Adaptive Load Frequency Control of a Grid Connected Solar PV System. , 2019, , .		4
8	Modelling and Dynamic Stability Study of Interconnected System of Renewable Energy Sources and Grid for Rural Electrification. International Journal of Emerging Electric Power Systems, 2019, 20, .	0.8	3
9	Design and Control of a Multifunctional Grid-Connected Battery Energy Storage with Enhanced Performance Using SOGI. Journal of the Institution of Engineers (India): Series B, 2019, 100, 321-332.	1.9	1
10	Power Control of Wind-Biogas-PV based Hybrid System. , 2018, , .		4
11	MAF-SOGI-PLL based Single-Phase Multimode PV-Battery System with Improved Power Quality. , 2018, , .		0
12	Improved Laplacian Kernel Filter based Control of Multifunctional PV System with Enhanced Power Quality. , 2018, , .		0
13	Discrete Data AGC of Hydrothermal Systems Under Varying Turbine Time Constants Along With the Power System Loading Conditions. IEEE Transactions on Industry Applications, 2017, 53, 4998-5013.	4.9	24
14	AGC of hydro-thermal power system under constant and sliding pressure operating modes at different loading conditions. , 2017, , .		0
15	Utilizing HVDC links as a energy storing device in AGC operation of hydro-thermal-gas based interconnected power systems. , 2017, , .		2
16	Mitigation/suppression techniques of very fast transient over voltages of a gas insulated substation. , 2016, , .		1
17	New optimization criterion for load frequency control of power system. , 2016, , .		0
18	Effect of DC link discharge resistor on transient stability of DFIG wind generator. , 2016, , .		1

#	ARTICLE	IF	CITATIONS
19	Real-time automatic generation control considering communication delays using linear matrix inequalities. , 2016, , .		1
20	Voltage and frequency control in a Wind-PV-Biogas based rural micro grid with limited grid operation. , 2016, , .		1
21	Study the effect of system parameters on controller gains for discrete AGC of hydro-thermal system. , 2015, , .		8
22	Automatic voltage control by load side converter of DFIG in wind-biomass isolated hybrid power system. , 2014, , .		2
23	Performance Investigation of Isolated Windâ€“Diesel Hybrid Power Systems With WECS Having PMIG. IEEE Transactions on Industrial Electronics, 2013, 60, 1630-1637.	7.9	73
24	Transient stability analysis of power system using BCU method and ray technique. , 2012, , .		2
25	Optimal hybrid power system design using HOMER. , 2012, , .		14
26	Load Frequency Control of an Isolated Small Hydro Power Plant Using Multi-pipe Scheme. Electric Power Components and Systems, 2011, 39, 46-63.	1.8	23
27	Study of autonomous hybrid power system using SVC and STATCOM. , 2009, , .		11
28	Automatic generation control of single area power system with multi-source power generation. Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy, 2008, 222, 1-11.	1.4	25
29	Sampled-data Automatic Load Frequency Control of a Single Area Power System with Multi-source Power Generation. Electric Power Components and Systems, 2007, 35, 955-980.	1.8	32
30	A Transient Stability Tool Combining the SIME Method with MATLAB and SIMULINK. International Journal of Electrical Engineering and Education, 2006, 43, 119-133.	0.8	12
31	Load Frequency Control of an Isolated Small-Hydro Power Plant With Reduced Dump Load. IEEE Transactions on Power Systems, 2006, 21, 1912-1919.	6.5	90
32	A GUI based simulation of power electronic converters and reactive power compensators using MATLAB/SIMULINK. , 0, , .		7