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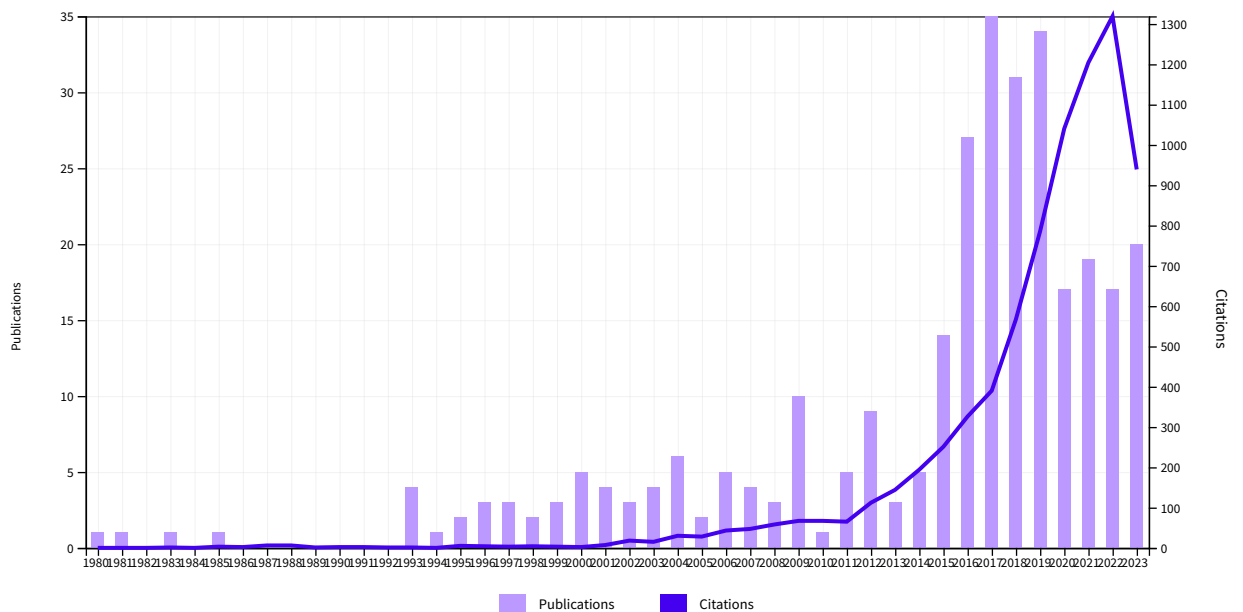
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305 Publications Sort by: Citations: highest first ▼ 1 of 7						Citations			Average per year	Total		
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						2019	2020	2021			2022	2023
Total						785	1,040	1,204	1,319	939	189.41	7,766
Sizing of Energy Storage for Microgrids						93	75	71	54	29	56.67	680
Chen, SX; Gooi, HB and Wang, MQ												

	Mar 2012 IEEE TRANSACTIONS ON SMART GRID 3 (1) , pp.142-151							
⊖ 2	Peer-to-Peer Energy Trading in a Prosumer-Based Community Microgrid: A Game-Theoretic Model Paudel, A ; Chaudhari, K ; (...); Gooi, HB Aug 2019 IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS 66 (8) , pp.6087-6097	9	67	116	119	69	76	380
⊖ 3	Extended-Boost Z-Source Inverters Gajanayake, CJ ; Luo, FL ; (...); Siow, LK Oct 2010 IEEE TRANSACTIONS ON POWER ELECTRONICS 25 (10) , pp.2642-2652	45	25	15	22	8	20.43	286
⊖ 4	Optimal reconfiguration of radial distribution systems to maximize loadability Venkatesh, B ; Ranjan, R and Gooi, HB Feb 2004 IEEE TRANSACTIONS ON POWER SYSTEMS 19 (1) , pp.260-266	20	19	14	13	5	12.05	241
⊖ 5	Optimal scheduling of spinning reserve Gooi, HB ; Mendes, DP ; (...); Kirschen, DS Nov 1999 IEEE TRANSACTIONS ON POWER SYSTEMS 14 (4) , pp.1485-1490	17	6	6	2	2	9.16	229
⊖ 6	Very Short-Term Nonparametric Probabilistic Forecasting of Renewable Energy Generation-With Application to Solar Energy Golestaneh, F ; Pinson, P and Gooi, HB Sep 2016 IEEE TRANSACTIONS ON POWER SYSTEMS 31 (5) , pp.3850-3863	28	35	34	31	17	23.5	188
⊖ 7	Dynamic economic dispatch: Feasible and optimal solutions Han, XS ; Gooi, HB and Kirschen, DS Feb 2001 IEEE TRANSACTIONS ON POWER SYSTEMS 16 (1) , pp.22-28	13	3	6	7	4	7.7	177
⊖ 8	Spinning Reserve Estimation in Microgrids Wang, MQ and Gooi, HB Aug 2011 IEEE TRANSACTIONS ON POWER SYSTEMS 26 (3) , pp.1164-1174	23	24	14	18	10	13.08	170
⊖ 9	Multi-Agent System for Distributed Management of Microgrids Eddy, YSF ; Gooi, HB and Chen, SX Jan 2015 IEEE TRANSACTIONS ON POWER SYSTEMS 30 (1) , pp.24-34	26	16	18	13	14	18.22	164
⊖ 10	Distributed Robust Energy Management of a Multimicrogrid System in the Real-Time Energy Market Liu, Y ; Li, YZ ; (...); Pan, JF Jan 2019 IEEE TRANSACTIONS ON SUSTAINABLE ENERGY 10 (1) , pp.396-406	12	32	55	33	25	32	160
⊖ 11	Solar radiation forecast based on fuzzy logic and neural networks Chen, SX ; Gooi, HB and Wang, MQ	19	21	16	10	6	14.45	159

	Dec 2013 RENEWABLE ENERGY 60 , pp.195-201							
⊖ 12	Peer-to-Peer Energy Trading in Smart Grid Considering Power Losses and Network Fees Paudel, A; Sampath, LP; (...); Gooi, HB Nov 2020 IEEE TRANSACTIONS ON SMART GRID 11 (6) , pp.4727-4737	0	5	23	50	46	31	124
⊖ 13	Validation of Faster Joint Control Strategy for Battery- and Supercapacitor-Based Energy Storage System Manandhar, U; Tummuru, NR; (...); Chaudhari, K Apr 2018 IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS 65 (4) , pp.3286-3295	23	19	25	24	18	19.33	116
⊖ 14	Modeling and Mitigating Impact of False Data Injection Attacks on Automatic Generation Control Tan, R; Nguyen, HH; (...); Gooi, HB Jul 2017 IEEE TRANSACTIONS ON INFORMATION FORENSICS AND SECURITY 12 (7) , pp.1609-1624	16	22	20	25	14	16.57	116
⊖ 15	Penetration Rate and Effectiveness Studies of Aggregated BESS for Frequency Regulation Chen, SX; Zhang, T; (...); Katzenstein, W Jan 2016 IEEE TRANSACTIONS ON SMART GRID 7 (1) , pp.167-177	12	18	18	18	11	14.5	116
⊖ 16	DC Grid Voltage Regulation Using New HESS Control Strategy Kollimalla, SK; Mishra, MK; (...); Gooi, HB Apr 2017 IEEE TRANSACTIONS ON SUSTAINABLE ENERGY 8 (2) , pp.772-781	27	16	15	26	12	15.86	111
⊖ 17	Optimal Operation of Multimicrogrids via Cooperative Energy and Reserve Scheduling Li, YZ; Zhao, TY; (...); Ye, J Aug 2018 IEEE TRANSACTIONS ON INDUSTRIAL INFORMATICS 14 (8) , pp.3459-3468	17	27	25	20	16	17.83	107
⊖ 18	Agent-Based Aggregated Behavior Modeling for Electric Vehicle Charging Load Chaudhari, K; Kandasamy, NK; (...); Gooi, HB Feb 2019 IEEE TRANSACTIONS ON INDUSTRIAL INFORMATICS 15 (2) , pp.856-868	6	19	30	24	22	20.8	104
⊖ 19	Energy Management and Control for Grid Connected Hybrid Energy Storage System Under Different Operating Modes Manandhar, U; Ukil, A; (...); Chaudhari, K Mar 2019 IEEE TRANSACTIONS ON SMART GRID 10 (2) , pp.1626-1636	10	20	26	26	19	20.4	102
⊖ 20	Toward Optimal Energy Management of Microgrids via Robust Two-Stage Optimization Hu, WH; Wang, P and Gooi, HB	21	18	24	13	7	15.67	94

	Mar 2018 IEEE TRANSACTIONS ON SMART GRID 9 (2) , pp.1161-1174							
⊖ 21	Probabilistic Forecast of PV Power Generation Based on Higher Order Markov Chain Sanjari, MJ and Gooi, HB Jul 2017 IEEE TRANSACTIONS ON POWER SYSTEMS 32 (4) , pp.2942-2952	17	28	18	16	5	13.43	94
⊖ 22	Increasing the Regenerative Braking Energy for Railway Vehicles Lu, SF ; Weston, P ; (...); Roberts, C Dec 2014 IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS 15 (6) , pp.2506-2515	10	14	5	10	7	8.5	85
⊖ 23	Fuzzy MILP Unit Commitment Incorporating Wind Generators Venkatesh, B ; Yu, P ; (...); Choling, D Nov 2008 IEEE TRANSACTIONS ON POWER SYSTEMS 23 (4) , pp.1738-1746	6	5	5	3	0	5	80
⊖ 24	A Mixed Integer Quadratic Programming for Dynamic Economic Dispatch With Valve Point Effect Wang, MQ ; Gooi, HB ; (...); Lu, S Sep 2014 IEEE TRANSACTIONS ON POWER SYSTEMS 29 (5) , pp.2097-2106	10	12	11	9	4	7.9	79
⊖ 25	Web-based SCADA display systems (WSDS) for access via Internet Qiu, B and Gooi, HB May 2000 IEEE TRANSACTIONS ON POWER SYSTEMS 15 (2) , pp.681-686	3	3	0	2	1	3.21	77
⊖ 26	Hybrid Energy Storage With Multimode Fuzzy Power Allocator for PV Systems Feng, X ; Gooi, HB and Chen, SX Apr 2014 IEEE TRANSACTIONS ON SUSTAINABLE ENERGY 5 (2) , pp.389-397	13	16	5	12	3	7.5	75
⊖ 27	Multi-Objective Optimal Dispatch of Microgrid Under Uncertainties via Interval Optimization Li, YZ ; Wang, P ; (...); Wu, L Mar 2019 IEEE TRANSACTIONS ON SMART GRID 10 (2) , pp.2046-2058	3	14	23	20	13	14.8	74
⊖ 28	Optimization Strategy Based on Deep Reinforcement Learning for Home Energy Management Liu, YK ; Zhang, DX and Gooi, HB Sep 2020 CSEE JOURNAL OF POWER AND ENERGY SYSTEMS 6 (3) , pp.572-582	0	2	10	29	29	17.5	70
⊖ 29	Power Generation Forecast of Hybrid PV-Wind System Sanjari, MJ ; Gooi, HB and Nair, NKC Apr 2020 IEEE TRANSACTIONS ON SUSTAINABLE ENERGY 11 (2) , pp.703-712	0	8	14	30	17	17.25	69
		8	14	14	16	6	9.14	25 64

⊖ 30	A Digital Method of Power-Sharing and Cross-Regulation Suppression for Single-Inductor Multiple-Input Multiple-Output DC-DC Converter Wang, BF; Xian, L; (...); Gooi, HB Apr 2017 IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS 64 (4) , pp.2836-2847							
⊖ 31	Cost Optimal Integration of Flexible Buildings in Congested Distribution Grids Hanif, S; Massier, T; (...); Reindl, T May 2017 IEEE TRANSACTIONS ON POWER SYSTEMS 32 (3) , pp.2254-2266	14	15	16	11	4	8.86	62
⊖ 32	A Secure Distributed Transactive Energy Management Scheme for Multiple Interconnected Microgrids Considering Misbehaviors Liu, Y; Gooi, HB; (...); Ye, J Nov 2019 IEEE TRANSACTIONS ON SMART GRID 10 (6) , pp.5975-5986	0	13	14	20	12	11.8	59
⊖ 33	Generation and evaluation of space-time trajectories of photovoltaic power Golestaneh, F; Gooi, HB and Pinson, P Aug 15 2016 APPLIED ENERGY 176 , pp.80-91	8	13	14	5	5	7.13	57
⊖ 34	A probabilistic reserve market incorporating interruptible load Bai, J; Gooi, HB; (...); Venkatesh, B Aug 2006 IEEE TRANSACTIONS ON POWER SYSTEMS 21 (3) , pp.1079-1087	0	2	2	2	0	3.06	55
⊖ 35	COORDINATED MULTI-MACHINE STABILIZER SETTINGS WITHOUT EIGENVALUE DRIFT GOOI, HB; HILL, EE; (...); LEE, TH 1981 IEEE TRANSACTIONS ON POWER APPARATUS AND SYSTEMS 100 (8) , pp.3879-3887	0	0	0	0	2	1.26	54
⊖ 36	Cooperative Triple-Phase-Shift Control for Isolated DAB DC-DC Converter to Improve Current Characteristics Wu, FJ; Feng, F and Gooi, HB Sep 2019 IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS 66 (9) , pp.7022-7031	2	5	14	18	14	10.6	53
⊖ 37	Distributed Congestion Management of Distribution Grids Under Robust Flexible Buildings Operations Hanif, S; Gooi, HB; (...); Reindl, T Nov 2017 IEEE TRANSACTIONS ON POWER SYSTEMS 32 (6) , pp.4600-4613	16	14	7	8	5	7.57	53
⊖ 38	Optimal False Data Injection Attack against Automatic Generation Control in Power Grids Tan, B; Nguyen, HH; (...); Gooi, HB ACM/IEEE 7th International Conference on Cyber-Physical Systems (ICCPs) 2016 2016 ACM/IEEE 7TH INTERNATIONAL CONFERENCE ON CYBER-PHYSICAL SYSTEMS (ICCPs)	9	11	9	6	10	6.63	53

⊖ 39	Corrective economic dispatch and operational cycles for probabilistic unit commitment with demand response and high wind power Azizipanah-Abarghooee, R; Golestaneh, E; (...); Terzija, V Nov 15 2016 APPLIED ENERGY 182 , pp.634-651	6	11	8	2	3	6.5	52
⊖ 40	Deadbeat Control for a Single-Inductor Multiple-Input Multiple-Output DC-DC Converter Wang, BF; Zhang, XN; (...); Gooi, HB Feb 2019 IEEE TRANSACTIONS ON POWER ELECTRONICS 34 (2) , pp.1914-1924	10	5	12	12	8	9.8	49
⊖ 41	A robust power system stabilizer for enhancement of stability in power system using adaptive fuzzy sliding mode control Ray, PK; Paital, SR; (...); Gooi, HB Dec 2018 APPLIED SOFT COMPUTING 73 , pp.471-481	7	10	14	9	9	8.17	49
⊖ 42	A Centralized Reactive Power Compensation System for LV Distribution Networks Chen, SX; Eddy, YSF; (...); Lu, SF Jan 2015 IEEE TRANSACTIONS ON POWER SYSTEMS 30 (1) , pp.274-284	5	6	3	6	4	5.44	49
⊖ 43	A Model Predictive Current Controlled Bidirectional Three-Level DC/DC Converter for Hybrid Energy Storage System in DC Microgrids Zhang, XN; Wang, BF; (...); Foo, G May 2019 IEEE TRANSACTIONS ON POWER ELECTRONICS 34 (5) , pp.4025-4030	7	11	12	11	7	9.6	48
⊖ 44	Jump and Shift Method for Multi-Objective Optimization Chen, SX and Gooi, HB Oct 2011 IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS 58 (10) , pp.4538-4548	7	1	3	0	0	3.54	46
⊖ 45	An Ensemble Framework for Day-Ahead Forecast of PV Output Power in Smart Grids Rene, MQ; Mithulananthan, N; (...); Gooi, HB Aug 2019 IEEE TRANSACTIONS ON INDUSTRIAL INFORMATICS 15 (8) , pp.4624-4634	0	7	15	14	9	9	45
⊖ 46	Optimal Design and Control Implementation of UPQC Based on Variable Phase Angle Control Method Ye, J; Gooi, HB and Wu, FJ Jul 2018 IEEE TRANSACTIONS ON INDUSTRIAL INFORMATICS 14 (7) , pp.3109-3123	5	21	9	7	2	7.5	45
⊖ 47	Effective economic dispatch model and algorithm Han, XS and Gooi, HB	2	3	2	1	3	2.65	45

	Feb 2007 INTERNATIONAL JOURNAL OF ELECTRICAL POWER & ENERGY SYSTEMS 29 (2) , pp.113-120							
48	Deep Learning Based Densely Connected Network for Load Forecasting Li, ZL ; Li, YZ ; (...); Gooi, HB Jul 2021 IEEE TRANSACTIONS ON POWER SYSTEMS 36 (4) , pp.2829-2840	0	0	9	21	14	14.67	44
49	A Hybrid Firefly-Swarm Optimized Fractional Order Interval Type-2 Fuzzy PID-PSS for Transient Stability Improvement Ray, PK ; Paital, SR ; (...); Amaratunga, GAJ 19th International Carpathian Control Conference (ICCC) Nov-dec 2019 IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS 55 (6) , pp.6486-6498	0	8	12	12	12	8.8	44
	Micro generation dispatch in a smart residential multi-carrier							

