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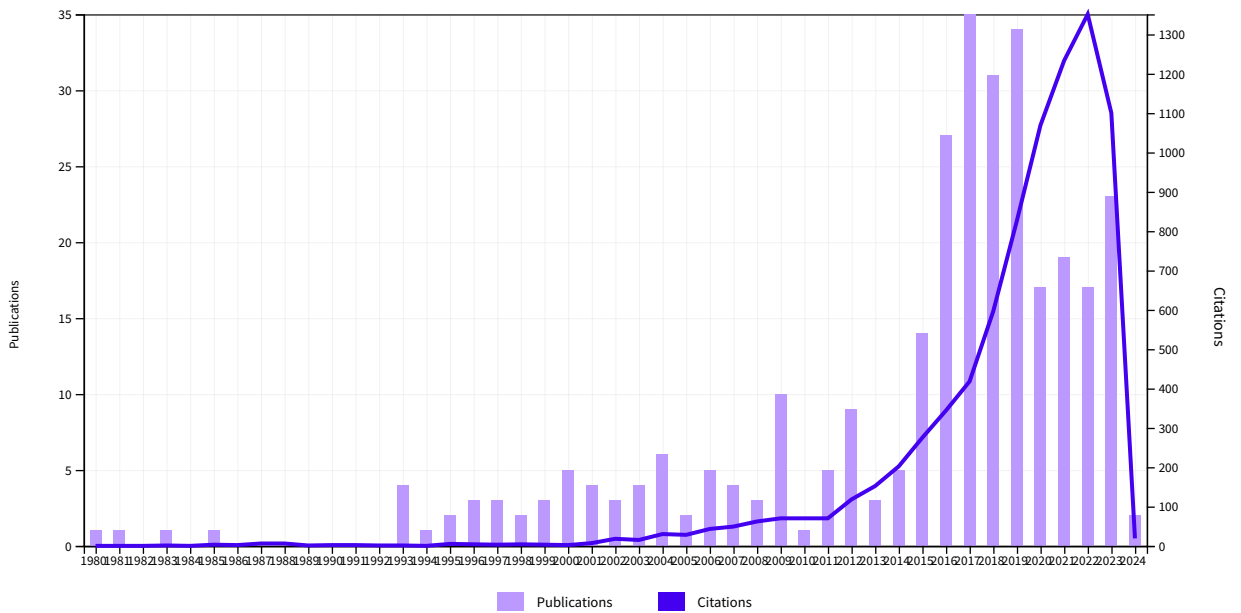
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1

Sizing of Energy Storage for Microgrids

Chen, SX; Gooi, HB and Wang, MQ

29 ?

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|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|-----|-----|----|---|-------|-----|
| | 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 | 69 | 120 | 125 | 80 | 0 | 80.6 | 403 |
| ⊖ 3 | Extended-Boost Z-Source Inverters Gajanayake, CJ; Luo, FL; (...); Siow, LK Oct 2010 IEEE TRANSACTIONS ON POWER ELECTRONICS 25 (10) , pp.2642-2652 | 25 | 16 | 22 | 10 | 0 | 20.93 | 293 |
| ⊖ 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 | 14 | 13 | 11 | 0 | 12.75 | 255 |
| ⊖ 5 | Optimal scheduling of spinning reserve Gooi, HB; Mendes, DP; (...); Kirschen, DS Nov 1999 IEEE TRANSACTIONS ON POWER SYSTEMS 14 (4) , pp.1485-1490 | 8 | 6 | 4 | 1 | 0 | 9.96 | 249 |
| ⊖ 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 | 37 | 35 | 31 | 18 | 0 | 24.5 | 196 |
| ⊖ 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 | 3 | 6 | 7 | 4 | 0 | 7.91 | 182 |
| ⊖ 8 | Spinning Reserve Estimation in Microgrids Wang, MQ and Gooi, HB Aug 2011 IEEE TRANSACTIONS ON POWER SYSTEMS 26 (3) , pp.1164-1174 | 24 | 15 | 18 | 11 | 0 | 13.85 | 180 |
| ⊖ 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 | 16 | 18 | 13 | 16 | 0 | 19.11 | 172 |
| ⊖ 10 | Solar radiation forecast based on fuzzy logic and neural networks Chen, SX; Gooi, HB and Wang, MQ Dec 2013 RENEWABLE ENERGY 60 , pp.195-201 | 23 | 16 | 10 | 7 | 0 | 15.18 | 167 |
| ⊖ 11 | Distributed Robust Energy Management of a Multimicrogrid System in the Real-Time Energy Market Liu, Y; Li, YZ; (...); Pan, JF | 32 | 55 | 33 | 27 | 0 | 32.4 | 162 |

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|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|----|----|----|---|-------|-----|
| | Jan 2019 IEEE TRANSACTIONS ON SUSTAINABLE ENERGY 10 (1), pp.396-406 | | | | | | | |
| ⊖ 12 | <p>Modeling and Mitigating Impact of False Data Injection Attacks on Automatic Generation Control</p> <p>Tan, R; Nguyen, HH; (...); Gooi, HB</p> <p>Jul 2017 IEEE TRANSACTIONS ON INFORMATION FORENSICS AND SECURITY 12 (7), pp.1609-1624</p> | 25 | 23 | 27 | 22 | 0 | 19.57 | 137 |
| ⊖ 13 | <p>Peer-to-Peer Energy Trading in Smart Grid Considering Power Losses and Network Fees</p> <p>Paudel, A; Sampath, LPMI; (...); Gooi, HB</p> <p>Nov 2020 IEEE TRANSACTIONS ON SMART GRID 11 (6), pp.4727-4737</p> | 5 | 23 | 49 | 53 | 2 | 33 | 132 |
| ⊖ 14 | <p>Penetration Rate and Effectiveness Studies of Aggregated BESS for Frequency Regulation</p> <p>Chen, SX; Zhang, T; (...); Katzenstein, W</p> <p>Jan 2016 IEEE TRANSACTIONS ON SMART GRID 7 (1), pp.167-177</p> | 18 | 18 | 18 | 16 | 0 | 15.75 | 126 |
| ⊖ 15 | <p>Validation of Faster Joint Control Strategy for Battery- and Supercapacitor-Based Energy Storage System</p> <p>Manandhar, U; Tummuru, NR; (...); Chaudhari, K</p> <p>Apr 2018 IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS 65 (4), pp.3286-3295</p> | 19 | 25 | 25 | 22 | 0 | 20.17 | 121 |
| ⊖ 16 | <p>Agent-Based Aggregated Behavior Modeling for Electric Vehicle Charging Load</p> <p>Chaudhari, K; Kandasamy, NK; (...); Gooi, HB</p> <p>Feb 2019 IEEE TRANSACTIONS ON INDUSTRIAL INFORMATICS 15 (2), pp.856-868</p> | 21 | 32 | 25 | 26 | 1 | 22.8 | 114 |
| ⊖ 17 | <p>DC Grid Voltage Regulation Using New HESS Control Strategy</p> <p>Kollimalla, SK; Mishra, MK; (...); Gooi, HB</p> <p>Apr 2017 IEEE TRANSACTIONS ON SUSTAINABLE ENERGY 8 (2), pp.772-781</p> | 16 | 15 | 26 | 13 | 0 | 16 | 112 |
| ⊖ 18 | <p>Optimal Operation of Multimicrogrids via Cooperative Energy and Reserve Scheduling</p> <p>Li, YZ; Zhao, TY; (...); Ye, J</p> <p>Aug 2018 IEEE TRANSACTIONS ON INDUSTRIAL INFORMATICS 14 (8), pp.3459-3468</p> | 27 | 25 | 20 | 19 | 0 | 18.5 | 111 |
| ⊖ 19 | <p>Energy Management and Control for Grid Connected Hybrid Energy Storage System Under Different Operating Modes</p> <p>Manandhar, U; Ukil, A; (...); Chaudhari, K</p> <p>Mar 2019 IEEE TRANSACTIONS ON SMART GRID 10 (2), pp.1626-1636</p> | 21 | 26 | 26 | 19 | 1 | 20.6 | 103 |
| ⊖ 20 | <p>Toward Optimal Energy Management of Microgrids via Robust Two-Stage Optimization</p> <p>Hu, WH; Wang, P and Gooi, HB</p> | 18 | 24 | 15 | 7 | 0 | 16.67 | 100 |

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| | Mar 2018 IEEE TRANSACTIONS ON SMART GRID 9 (2) , pp.1161-1174 | | | | | | | | |
| ⊖ 21 | <p>Probabilistic Forecast of PV Power Generation Based on Higher Order Markov Chain</p> <p>Sanjari, MJ and Gooi, HB</p> <p>Jul 2017 IEEE TRANSACTIONS ON POWER SYSTEMS 32 (4) , pp.2942-2952</p> | 30 | 19 | 17 | 5 | 0 | 14 | 98 | |
| ⊖ 22 | <p>Increasing the Regenerative Braking Energy for Railway Vehicles</p> <p>Lu, SE; Weston, P; (...); Roberts, C</p> <p>Dec 2014 IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS 15 (6) , pp.2506-2515</p> | 14 | 6 | 10 | 9 | 0 | 8.8 | 88 | |
| ⊖ 23 | <p>Fuzzy MILP Unit Commitment Incorporating Wind Generators</p> <p>Venkatesh, B; Yu, P; (...); Choling, D</p> <p>Nov 2008 IEEE TRANSACTIONS ON POWER SYSTEMS 23 (4) , pp.1738-1746</p> | 6 | 5 | 3 | 1 | 0 | 5.25 | 84 | |
| ⊖ 24 | <p>A Mixed Integer Quadratic Programming for Dynamic Economic Dispatch With Valve Point Effect</p> <p>Wang, MQ; Gooi, HB; (...); Lu, S</p> <p>Sep 2014 IEEE TRANSACTIONS ON POWER SYSTEMS 29 (5) , pp.2097-2106</p> | 12 | 11 | 9 | 5 | 0 | 8.2 | 82 | |
| ⊖ 25 | <p>Hybrid Energy Storage With Multimode Fuzzy Power Allocator for PV Systems</p> <p>Feng, X; Gooi, HB and Chen, SX</p> <p>Apr 2014 IEEE TRANSACTIONS ON SUSTAINABLE ENERGY 5 (2) , pp.389-397</p> | 17 | 5 | 13 | 4 | 0 | 8 | 80 | |
| ⊖ 26 | <p>Web-based SCADA display systems (WSDS) for access via Internet</p> <p>Qiu, B and Gooi, HB</p> <p>May 2000 IEEE TRANSACTIONS ON POWER SYSTEMS 15 (2) , pp.681-686</p> | 3 | 0 | 2 | 1 | 0 | 3.25 | 78 | |
| ⊖ 27 | <p>Optimization Strategy Based on Deep Reinforcement Learning for Home Energy Management</p> <p>Liu, YK; Zhang, DX and Gooi, HB</p> <p>Sep 2020 CSEE JOURNAL OF POWER AND ENERGY SYSTEMS 6 (3) , pp.572-582</p> | 3 | 11 | 30 | 33 | 0 | 19.25 | 77 | |
| ⊖ 28 | <p>Multi-Objective Optimal Dispatch of Microgrid Under Uncertainties via Interval Optimization</p> <p>Li, YZ; Wang, P; (...); Wu, L</p> <p>Mar 2019 IEEE TRANSACTIONS ON SMART GRID 10 (2) , pp.2046-2058</p> | 14 | 23 | 21 | 14 | 0 | 15.2 | 76 | |
| ⊖ 29 | <p>Power Generation Forecast of Hybrid PV-Wind System</p> <p>Sanjari, MJ; Gooi, HB and Nair, NKC</p> <p>Apr 2020 IEEE TRANSACTIONS ON SUSTAINABLE ENERGY 11 (2) , pp.703-712</p> | 8 | 14 | 30 | 20 | 0 | 18 | 72 | |
| | | 15 | 18 | 12 | 5 | 1 | 9.71 | 68 | |

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|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|----|----|----|---|------|----|
| 30 | <p>Cost Optimal Integration of Flexible Buildings in Congested Distribution Grids</p> <p>Hanif, S; Massier, T; (...); Reindl, T</p> <p>May 2017 IEEE TRANSACTIONS ON POWER SYSTEMS 32 (3) , pp.2254-2266</p> | | | | | | | |
| 31 | <p>A Digital Method of Power-Sharing and Cross-Regulation Suppression for Single-Inductor Multiple-Input Multiple-Output DC-DC Converter</p> <p>Wang, BF; Xian, L; (...); Gooi, HB</p> <p>Apr 2017 IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS 64 (4) , pp.2836-2847</p> | 14 | 15 | 16 | 8 | 0 | 9.57 | 67 |
| 32 | <p>A Secure Distributed Transactive Energy Management Scheme for Multiple Interconnected Microgrids Considering Misbehaviors</p> <p>Liu, Y; Gooi, HB; (...); Ye, J</p> <p>Nov 2019 IEEE TRANSACTIONS ON SMART GRID 10 (6) , pp.5975-5986</p> | 13 | 14 | 20 | 13 | 0 | 12 | 60 |
| 33 | <p>Generation and evaluation of space-time trajectories of photovoltaic power</p> <p>Golestaneh, F; Gooi, HB and Pinson, P</p> <p>Aug 15 2016 APPLIED ENERGY 176 , pp.80-91</p> | 13 | 15 | 5 | 6 | 0 | 7.5 | 60 |
| 34 | <p>Optimal False Data Injection Attack against Automatic Generation Control in Power Grids</p> <p>Tan, R; Nguyen, HH; (...); Gooi, HB</p> <p>ACM/IEEE 7th International Conference on Cyber-Physical Systems (ICCPs) 2016 2016 ACM/IEEE 7TH INTERNATIONAL CONFERENCE ON CYBER-PHYSICAL SYSTEMS (ICCPs)</p> | 12 | 9 | 7 | 12 | 0 | 7.5 | 60 |
| 35 | <p>A probabilistic reserve market incorporating interruptible load</p> <p>Bai, J; Gooi, HB; (...); Venkatesh, B</p> <p>Aug 2006 IEEE TRANSACTIONS ON POWER SYSTEMS 21 (3) , pp.1079-1087</p> | 2 | 2 | 2 | 0 | 0 | 3.22 | 58 |
| 36 | <p>Cooperative Triple-Phase-Shift Control for Isolated DAB DC-DC Converter to Improve Current Characteristics</p> <p>Wu, FJ; Feng, E and Gooi, HB</p> <p>Sep 2019 IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS 66 (9) , pp.7022-7031</p> | 5 | 16 | 18 | 16 | 0 | 11.4 | 57 |
| 37 | <p>COORDINATED MULTI-MACHINE STABILIZER SETTINGS WITHOUT EIGENVALUE DRIFT</p> <p>GOOI, HB; HILL, EE; (...); LEE, TH</p> <p>1981 IEEE TRANSACTIONS ON POWER APPARATUS AND SYSTEMS 100 (8) , pp.3879-3887</p> | 0 | 0 | 0 | 2 | 0 | 1.28 | 55 |
| 38 | <p>A robust power system stabilizer for enhancement of stability in power system using adaptive fuzzy sliding mode control</p> <p>Ray, PK; Paital, SR; (...); Gooi, HB</p> <p>Dec 2018 APPLIED SOFT COMPUTING 73 , pp.471-481</p> | 10 | 14 | 9 | 13 | 0 | 8.83 | 53 |

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|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|----|----|----|---|-------|----|
| ⊖ 39 | <p>Distributed Congestion Management of Distribution Grids Under Robust Flexible Buildings Operations</p> <p>Hanif, S; Gooi, HB; (...); Reindl, T</p> <p>Nov 2017 IEEE TRANSACTIONS ON POWER SYSTEMS 32 (6) , pp.4600-4613</p> | 14 | 7 | 8 | 5 | 0 | 7.57 | 53 |
| ⊖ 40 | <p>Deadbeat Control for a Single-Inductor Multiple-Input Multiple-Output DC-DC Converter</p> <p>Wang, BF; Zhang, XN; (...); Gooi, HB</p> <p>Feb 2019 IEEE TRANSACTIONS ON POWER ELECTRONICS 34 (2) , pp.1914-1924</p> | 5 | 12 | 12 | 10 | 0 | 10.4 | 52 |
| ⊖ 41 | <p>Corrective economic dispatch and operational cycles for probabilistic unit commitment with demand response and high wind power</p> <p>Azizipannah-Abarghoee, R; Golestaneh, E; (...); Terzija, V</p> <p>Nov 15 2016 APPLIED ENERGY 182 , pp.634-651</p> | 11 | 8 | 2 | 3 | 0 | 6.5 | 52 |
| ⊖ 42 | <p>A Model Predictive Current Controlled Bidirectional Three-Level DC/DC Converter for Hybrid Energy Storage System in DC Microgrids</p> <p>Zhang, XN; Wang, BF; (...); Foo, G</p> <p>May 2019 IEEE TRANSACTIONS ON POWER ELECTRONICS 34 (5) , pp.4025-4030</p> | 11 | 12 | 11 | 10 | 0 | 10.2 | 51 |
| ⊖ 43 | <p>Jump and Shift Method for Multi-Objective Optimization</p> <p>Chen, SX and Gooi, HB</p> <p>Oct 2011 IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS 58 (10) , pp.4538-4548</p> | 1 | 3 | 0 | 0 | 0 | 3.92 | 51 |
| ⊖ 44 | <p>A Centralized Reactive Power Compensation System for LV Distribution Networks</p> <p>Chen, SX; Eddy, YSE; (...); Lu, SF</p> <p>Jan 2015 IEEE TRANSACTIONS ON POWER SYSTEMS 30 (1) , pp.274-284</p> | 6 | 3 | 6 | 4 | 0 | 5.56 | 50 |
| ⊖ 45 | <p>An Ensemble Framework for Day-Ahead Forecast of PV Output Power in Smart Grids</p> <p>Rene, MO; Mithulananthan, N; (...); Gooi, HB</p> <p>Aug 2019 IEEE TRANSACTIONS ON INDUSTRIAL INFORMATICS 15 (8) , pp.4624-4634</p> | 7 | 15 | 14 | 11 | 0 | 9.6 | 48 |
| ⊖ 46 | <p>Deep Learning Based Densely Connected Network for Load Forecasting</p> <p>Li, ZL; Li, YZ; (...); Gooi, HB</p> <p>Jul 2021 IEEE TRANSACTIONS ON POWER SYSTEMS 36 (4) , pp.2829-2840</p> | 0 | 9 | 21 | 17 | 0 | 15.67 | 47 |

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| <p>⊖ 47</p> | <p>Optimal Design and Control Implementation of UPQC Based on Variable Phase Angle Control Method</p> <p>Ye, J; Gooi, HB and Wu, FJ</p> <p>Jul 2018 IEEE TRANSACTIONS ON INDUSTRIAL INFORMATICS 14 (7), pp.3109-3123</p> | 21 | 9 | 7 | 4 | 0 | 7.83 | 47 |
| <p>⊖ 48</p> | <p>Micro-generation dispatch in a smart residential multi-carrier energy system considering demand forecast error</p> <p>Sanjari, MJ; Karami, H and Gooi, HB</p> <p>Jul 15 2016 ENERGY CONVERSION AND MANAGEMENT 120, pp.90-99</p> | 6 | 8 | 5 | 1 | 0 | 5.88 | 47 |
| <p>⊖ 49</p> | <p>Effective economic dispatch model and algorithm</p> <p>Han, XS and Gooi, HB</p> <p>Feb 2007 INTERNATIONAL JOURNAL OF ELECTRICAL POWER & ENERGY SYSTEMS</p> | 3 | 3 | 1 | 3 | 0 | 2.76 | 47 |

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