

Stephen M Frank

List of Publications by Year in descending order

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22
papers

1,178
citations

932766

10
h-index

887659

17
g-index

27
all docs

27
docs citations

27
times ranked

1073
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimal power flow: a bibliographic survey I. Energy Systems, 2012, 3, 221-258.	1.8	394
2	Optimal power flow: a bibliographic survey II. Energy Systems, 2012, 3, 259-289.	1.8	235
3	An introduction to optimal power flow: Theory, formulation, and examples. IIE Transactions, 2016, 48, 1172-1197.	2.1	148
4	A comparative study of DC and AC microgrids in commercial buildings across different climates and operating profiles. , 2015, , .		92
5	Temperature-Dependent Power Flow. IEEE Transactions on Power Systems, 2013, 28, 4007-4018.	4.6	80
6	Optimal design of mixed AC-DC distribution systems for commercial buildings: A Nonconvex Generalized Benders Decomposition approach. European Journal of Operational Research, 2015, 242, 710-729.	3.5	40
7	Estimation of induction motor equivalent circuit parameters from nameplate data. , 2012, , .		33
8	A performance evaluation framework for building fault detection and diagnosis algorithms. Energy and Buildings, 2019, 192, 84-92.	3.1	25
9	Representing Small Commercial Building Faults in EnergyPlus, Part I: Model Development. Buildings, 2019, 9, 233.	1.4	21
10	A systematic feature extraction and selection framework for data-driven whole-building automated fault detection and diagnostics in commercial buildings. Building and Environment, 2020, 186, 107338.	3.0	18
11	Adoption Pathways for DC Power Distribution in Buildings. Energies, 2022, 15, 786.	1.6	17
12	Assessing barriers and research challenges for automated fault detection and diagnosis technology for small commercial buildings in the United States. Renewable and Sustainable Energy Reviews, 2018, 98, 489-499.	8.2	11
13	Representing Small Commercial Building Faults in EnergyPlus, Part II: Model Validation. Buildings, 2019, 9, 239.	1.4	10
14	Unified architecture for data-driven metadata tagging of building automation systems. Automation in Construction, 2020, 120, 103411.	4.8	9
15	Estimation of electricity consumption in commercial buildings. , 2011, , .		6
16	Extracting Operating Modes from Building Electrical Load Data. , 2011, , .		6
17	Harmonic cancellation within AC low voltage distribution for a realistic office environment. International Journal of Electrical Power and Energy Systems, 2022, 134, 107325.	3.3	6
18	Reevaluation of induction motor loss models for conventional and harmonic power flow. , 2012, , .		4

#	ARTICLE	IF	CITATIONS
19	Electrical Distribution Systems for Commercial Reference Building Models. Journal of Architectural Engineering, 2014, 20, 04013005.	0.8	4
20	Endpoint Use Efficiency Comparison for AC and DC Power Distribution in Commercial Buildings. Energies, 2021, 14, 5863.	1.6	4
21	Meter-based synthesis of equipment schedules for improved models of electrical demand in multifamily buildings. Journal of Building Performance Simulation, 2019, 12, 388-403.	1.0	3
22	A Comprehensive Loss Model and Comparison of AC and DC Boost Converters. Energies, 2021, 14, 3131.	1.6	3