David P Chassin

List of Publications by Year
in descending order

45	2,361	567144 15	677027 22
papers	citations	h-index	g-index

57	57	57	2202
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Opening Up Transactive Systems: Introducing TESS and Specification in a Field Deployment. Energies, 2021, 14, 3970.	1.6	8
2	Techno-economic feasibility of a photovoltaic-equipped plug-in electric vehicle public parking lot with coordinated charging. IET Energy Systems Integration, 2020, 2, 261-272.	1.1	11
3	A Nonlinear Regression Method for Composite Protection Modeling of Induction Motor Loads. , 2020, , .		2
4	Detailed Modeling of Residential End-Use Motor Load and Protection for Distribution System Transient Study. , 2019, , .		2
5	Adaptive Dynamic Simulations for Distribution Systems Using Multistate Load Models. IEEE Transactions on Smart Grid, 2019, 10, 2257-2266.	6.2	10
6	Optimal subhourly electricity resource dispatch under multiple price signals with high renewable generation availability. Applied Energy, 2018, 213, 262-271.	5.1	6
7	Transactive control of fast-acting demand response based on thermostatic loads in real-time retail electricity markets. Applied Energy, 2018, 210, 1310-1320.	5.1	89
8	Impact of Building-Level Motor Protection on Power System Transient Behaviors. , 2018, , .		3
9	Generation of composite load protection profiles for reliable system operation. , 2018, , .		3
10	Interconnection-wide hour-ahead scheduling in the presence of intermittent renewables and demand response: A surplus maximizing approach. Applied Energy, 2017, 189, 336-351.	5.1	17
11	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.gif" overflow="scroll"><mml:mrow><mml:msub><mml:mrow><mml:mi mathvariant="script">H</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math> transactive control of electric power regulation from fast-acting demand response in the presence of high renewables. Applied Energy, 2017, 205, 304-315.	5.1	45
12	A common data architecture for energy data analytics. , 2017, , .		8
13	Fault Induced Delayed Voltage Recovery (FIDVR) model validation. , 2016, , .		14
14	Aggregate modeling of fast-acting demand response and control under real-time pricing. Applied Energy, 2016, 181, 288-298.	5.1	38
15	Integration of price-driven demand response using plug-in electric vehicles in smart grids. , 2016, , .		4
16	Addressing key challenges in transportation mode electrification. , 2016, , .		2
17	Electric Vehicle Participation in Transactive Power Systems Using Real-Time Retail Prices. , 2016, , .		24
18	Renewable resources portfolio optimization in the presence of demand response. Applied Energy, 2016, 162, 139-148.	5.1	88

#	Article	IF	Citations
19	Agent-Based Simulation for Interconnection-Scale Renewable Integration and Demand Response Studies. Engineering, 2015, 1, 422-435.	3.2	8
20	Optimization of Customer Subscription Rates to Electric Utility Tariffs. , 2015, , .		0
21	A Power Hardware-in-the-Loop Platform With Remote Distribution Circuit Cosimulation. IEEE Transactions on Industrial Electronics, 2015, 62, 2236-2245.	5.2	91
22	A new thermostat for real-time price demand response: Cost, comfort and energy impacts of discrete-time control without deadband. Applied Energy, 2015, 155, 816-825.	5.1	65
23	GridLAB-D: An Agent-Based Simulation Framework for Smart Grids. Journal of Applied Mathematics, 2014, 2014, 1-12.	0.4	133
24	Introduction to Integrating Distributed and Renewable Resources Minitrack. , 2014, , .		1
25	Thread Group Multithreading: Accelerating the Computation of an Agent-Based Power System Modeling and Simulation Tool -- C GridLAB-D. , 2014, , .		3
26	Modeling framework and validation of a smart grid and demand response system for wind power integration. Applied Energy, 2014, 113, 199-207.	5.1	113
27	Load Control Analysis for Intermittent Generation Mitigation. , 2013, , .		2
28	Electrical Load Modeling and Simulation. Power Systems, 2013, , 281-334.	0.3	2
29	Title: Aggregate modeling and control of demand response speaker: David chassin. , 2012, , .		0
30	Development and Validation of Aggregated Models for Thermostatic Controlled Loads with Demand Response. , 2012, , .		36
31	Aggregate model for heterogeneous thermostatically controlled loads with demand response. , 2012, , .		74
32	A test bed for self-regulating distribution systems: Modeling integrated renewable energy and demand response in the GridLAB-D/MATLAB environment. , 2012, , .		23
33	On the Equilibrium Dynamics of Demand Response in Thermostatic Loads. , 2011, , .		12
34	Multi-State Load Models for Distribution System Analysis. IEEE Transactions on Power Systems, 2011, 26, 2425-2433.	4.6	92
35	Aggregated modeling of thermostatic loads in demand response: A systems and control perspective. , 2011, , .		29
36	What Can the Smart Grid Do for You? And What Can You Do for the Smart Grid?. Electricity Journal, 2010, 23, 57-63.	1.3	11

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37	Accelerating the Gauss-Seidel Power Flow Solver on a High Performance Reconfigurable Computer. , 2009, , .		5
38	Decentralized Coordination through Digital Technology, Dynamic Pricing, and Customer-Driven Control: The GridWise Testbed Demonstration Project. Electricity Journal, 2008, 21, 51-59.	1.3	30
39	Load modeling in power system studies: WECC progress update. , 2008, , .		125
40	The pacific northwest demand response market demonstration. , 2008, , .		4
41	Evaluating North American electric grid reliability using the BarabÃ¡siâ€“Albert network model. Physica A: Statistical Mechanics and Its Applications, 2005, 355, 667-677.	1.2	210
42	Modeling Uncertainties in Aggregated Thermostatically Controlled Loads Using a State Queueing Model. IEEE Transactions on Power Systems, 2005, 20, 725-733.	4.6	163
43	Estimation of WECC System Inertia Using Observed Frequency Transients. IEEE Transactions on Power Systems, 2005, 20, 1190-1192.	4.6	141
44	A State-Queueing Model of Thermostatically Controlled Appliances. IEEE Transactions on Power Systems, 2004, 19, 1666-1673.	4.6	207
45	Beneficial Complexity: A Field Experiment in Technology, Institutions, and Institutional Change in the Electric Power Industry. SSRN Electronic Journal, 0, , .	0.4	1