

Shmuel S Oren

List of Publications by Year in descending order

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55
papers

3,406
citations

218381

26
h-index

288905

40
g-index

58
all docs

58
docs citations

58
times ranked

2380
citing authors

#	ARTICLE	IF	CITATIONS
1	Reserve Requirements for Wind Power Integration: A Scenario-Based Stochastic Programming Framework. IEEE Transactions on Power Systems, 2011, 26, 2197-2206.	4.6	452
2	Optimal Transmission Switching With Contingency Analysis. IEEE Transactions on Power Systems, 2009, 24, 1577-1586.	4.6	344
3	Distribution Locational Marginal Pricing for Optimal Electric Vehicle Charging Management. IEEE Transactions on Power Systems, 2014, 29, 203-211.	4.6	313
4	Distribution Locational Marginal Pricing Through Quadratic Programming for Congestion Management in Distribution Networks. IEEE Transactions on Power Systems, 2015, 30, 2170-2178.	4.6	219
5	Optimal Transmission Switching's Sensitivity Analysis and Extensions. IEEE Transactions on Power Systems, 2008, 23, 1469-1479.	4.6	179
6	Proactive planning and valuation of transmission investments in restructured electricity markets. Journal of Regulatory Economics, 2006, 30, 261-290.	0.8	166
7	Economic Criteria for Planning Transmission Investment in Restructured Electricity Markets. IEEE Transactions on Power Systems, 2007, 22, 1394-1405.	4.6	128
8	Economic analysis of the N-1 reliable unit commitment and transmission switching problem using duality concepts. Energy Systems, 2010, 1, 165-195.	1.8	119
9	Distribution Locational Marginal Pricing for Optimal Electric Vehicle Charging Through Chance Constrained Mixed-Integer Programming. IEEE Transactions on Smart Grid, 2018, 9, 644-654.	6.2	115
10	Applying High Performance Computing to Transmission-Constrained Stochastic Unit Commitment for Renewable Energy Integration. IEEE Transactions on Power Systems, 2015, 30, 1109-1120.	4.6	108
11	Large-Scale Integration of Deferrable Demand and Renewable Energy Sources. IEEE Transactions on Power Systems, 2014, 29, 489-499.	4.6	105
12	Supplying renewable energy to deferrable loads: Algorithms and economic analysis. , 2010, , .		94
13	Hedging quantity risks with standard power options in a competitive wholesale electricity market. Naval Research Logistics, 2006, 53, 697-712.	1.4	87
14	Optimal Black Start Allocation for Power System Restoration. IEEE Transactions on Power Systems, 2018, 33, 6766-6776.	4.6	84
15	Two-settlement Systems for Electricity Markets under Network Uncertainty and Market Power. Journal of Regulatory Economics, 2004, 25, 5-37.	0.8	63
16	Diffusion of new products in risk-sensitive markets. Journal of Forecasting, 1988, 7, 273-287.	1.6	61
17	INCORPORATING OPERATIONAL CHARACTERISTICS AND START-UP COSTS IN OPTION-BASED VALUATION OF POWER GENERATION CAPACITY. Probability in the Engineering and Informational Sciences, 2003, 17, 155-181.	0.6	60
18	Smart Flexible Just-in-Time Transmission and Flowgate Bidding. IEEE Transactions on Power Systems, 2011, 26, 93-102.	4.6	50

#	ARTICLE	IF	CITATIONS
19	Optimal transmission switching: economic efficiency and market implications. Journal of Regulatory Economics, 2011, 40, 111-140.	0.8	49
20	Capacity Controlled Demand Side Management: A Stochastic Pricing Analysis. IEEE Transactions on Power Systems, 2016, 31, 706-717.	4.6	45
21	Stochastic Unit Commitment With Topology Control Recourse for Power Systems With Large-Scale Renewable Integration. IEEE Transactions on Power Systems, 2018, 33, 3315-3324.	4.6	45
22	Efficiency impact of convergence bidding in the california electricity market. Journal of Regulatory Economics, 2015, 48, 245-284.	0.8	42
23	Bound Tightening for the Alternating Current Optimal Power Flow Problem. IEEE Transactions on Power Systems, 2016, 31, 3729-3736.	4.6	39
24	Strong Mixed-Integer Formulations for Power System Islanding and Restoration. IEEE Transactions on Power Systems, 2019, 34, 4880-4888.	4.6	35
25	Simulating the dynamics in two-settlement electricity markets via an agent-based approach. International Journal of Management Science and Engineering Management, 2006, 1, 83-97.	2.6	33
26	A spatial branch-and-cut method for nonconvex QCQP with bounded complex variables. Mathematical Programming, 2017, 165, 549-577.	1.6	31
27	The impact of carbon cap and trade regulation on congested electricity market equilibrium. Journal of Regulatory Economics, 2011, 40, 237-260.	0.8	30
28	A stochastic unit commitment model for integrating renewable supply and demand response. , 2012, , .		27
29	Firming renewable power with demand response: an end-to-end aggregator business model. Journal of Regulatory Economics, 2016, 50, 1-37.	0.8	24
30	Rational Buyer Meets Rational Seller: Reserves Market Equilibria under Alternative Auction Designs. Journal of Regulatory Economics, 2002, 21, 247-288.	0.8	21
31	Priority Network Access Pricing for Electric Power. Journal of Regulatory Economics, 2001, 19, 239-270.	0.8	19
32	A multi-period equilibrium pricing model of weather derivatives. Energy Systems, 2010, 1, 3-30.	1.8	16
33	Internal auctions for the efficient sourcing of intermediate products. Journal of Operations Management, 1995, 12, 311-320.	3.3	13
34	Performance of AC and DC based transmission switching heuristics on a large-scale polish system. , 2014, , .		13
35	Privatizing electric reliability through smart grid technologies and priority service contracts. , 2010, , .		10
36	Single and Multisettlement Approaches to Market Clearing Under Demand Uncertainty. Operations Research, 2017, 65, 1147-1164.	1.2	10

#	ARTICLE	IF	CITATIONS
37	Flexible line ratings in stochastic unit commitment for power systems with large-scale renewable generation. Energy Systems, 2020, 11, 1-19.	1.8	10
38	Integrating renewable energy contracts and wholesale dynamic pricing to serve aggregate flexible loads. , 2011, , .		9
39	Line Selection and Algorithm Selection for Transmission Switching by Machine Learning Methods. , 2019, , .		8
40	Economic determination of specification levels and allocation priorities of semiconductor products. IIE Transactions, 1995, 27, 321-331.	2.1	7
41	Risk Management vs. Risk Avoidance in Power Systems Planning and Operation. IEEE Power Engineering Society General Meeting, 2007, , .	0.0	7
42	Closure to Discussion on "Distribution Locational Marginal Pricing for Optimal Electric Vehicle Charging Management". IEEE Transactions on Power Systems, 2014, 29, 1867-1867.	4.6	7
43	Generating interior search directions for multiobjective linear programming. Journal of Multi-Criteria Decision Analysis, 1993, 2, 73-86.	1.0	5
44	Environmental regulation in transmission-constrained electricity markets. , 2009, , .		5
45	Constructing transmission line current constraints for the IEEE and polish systems. Energy Systems, 2017, 8, 199-216.	1.8	4
46	Volumetric hedging in electricity procurement. , 2005, , .		2
47	Special Issue on Smart Grid and Emerging Technology Integration. Journal of Energy Engineering - ASCE, 2015, 141, .	1.0	1
48	Priority Ordering in Interruptible Electric Power Service with Irreversible Early Notification. Probability in the Engineering and Informational Sciences, 1994, 8, 287-290.	0.6	0
49	Aligning Generators' Interests with Social Efficiency Criteria for Transmission Upgrades in an LMP Based Market. IEEE Power Engineering Society General Meeting, 2007, , .	0.0	0
50	A Probabilistic Graphical Approach to Computing Electricity Price Duration Curves under Price and Quantity Competition.. , 2007, , .		0
51	The California Resource Adequacy Program: Achieving Reliability and Economic Efficiency through Virtual Re-bundling of Generation and Distribution. IEEE Power Engineering Society General Meeting, 2007, , .	0.0	0
52	Equilibrium pricing of weather derivatives in a multi-period trading environment. , 2009, , .		0
53	Managing risk under a fixed price load following obligation for electricity service. , 2010, , .		0
54	A data mining approach for real-time corrective switching. , 2015, , .		0

#	ARTICLE	IF	CITATIONS
55	A Combinatorial Algorithm for Large-Scale Power System Islanding. , 2019, , .		0