

# Mohammad Shahidehpour

## List of Publications by Citations

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540  
papers

23,026  
citations

81  
h-index

131  
g-index

601  
ext. papers

29,320  
ext. citations

6.6  
avg, IF

7.86  
L-index

#	Paper	IF	Citations
540	<b>2002,</b>		909
539	A Variable Step Size INC MPPT Method for PV Systems. <i>IEEE Transactions on Industrial Electronics</i> , <b>2008</b> , 55, 2622-2628	8.9	707
538	Security-Constrained Unit Commitment With Volatile Wind Power Generation. <i>IEEE Transactions on Power Systems</i> , <b>2008</b> , 23, 1319-1327	7	593
537	Stochastic Security-Constrained Unit Commitment. <i>IEEE Transactions on Power Systems</i> , <b>2007</b> , 22, 800-811	7	566
536	Combined Heat and Power Dispatch Considering Pipeline Energy Storage of District Heating Network. <i>IEEE Transactions on Sustainable Energy</i> , <b>2016</b> , 7, 12-22	8.2	363
535	Optimal Expansion Planning of Energy Hub With Multiple Energy Infrastructures. <i>IEEE Transactions on Smart Grid</i> , <b>2015</b> , 6, 2302-2311	10.7	291
534	Security-Constrained Unit Commitment With Natural Gas Transmission Constraints. <i>IEEE Transactions on Power Systems</i> , <b>2009</b> , 24, 1523-1536	7	277
533	Hourly Coordination of Electric Vehicle Operation and Volatile Wind Power Generation in SCUC. <i>IEEE Transactions on Smart Grid</i> , <b>2012</b> , 3, 1271-1279	10.7	275
532	Contingency-Constrained PMU Placement in Power Networks. <i>IEEE Transactions on Power Systems</i> , <b>2010</b> , 25, 516-523	7	263
531	Networked Microgrids for Enhancing the Power System Resilience. <i>Proceedings of the IEEE</i> , <b>2017</b> , 105, 1289-1310	14.3	254
530	Optimal Demand Response Aggregation in Wholesale Electricity Markets. <i>IEEE Transactions on Smart Grid</i> , <b>2013</b> , 4, 1957-1965	10.7	229
529	DC Microgrids: Economic Operation and Enhancement of Resilience by Hierarchical Control. <i>IEEE Transactions on Smart Grid</i> , <b>2014</b> , 5, 2517-2526	10.7	223
528	Robust Co-Optimization Scheduling of Electricity and Natural Gas Systems via ADMM. <i>IEEE Transactions on Sustainable Energy</i> , <b>2017</b> , 8, 658-670	8.2	222
527	Hierarchical Coordination of a Community Microgrid With AC and DC Microgrids. <i>IEEE Transactions on Smart Grid</i> , <b>2015</b> , 6, 3042-3051	10.7	219
526	Comparison of Scenario-Based and Interval Optimization Approaches to Stochastic SCUC. <i>IEEE Transactions on Power Systems</i> , <b>2012</b> , 27, 913-921	7	219
525	Interdependency of Natural Gas Network and Power System Security. <i>IEEE Transactions on Power Systems</i> , <b>2008</b> , 23, 1817-1824	7	216
524	Microgrid Planning Under Uncertainty. <i>IEEE Transactions on Power Systems</i> , <b>2015</b> , 30, 2417-2425	7	209

523	Coordination of Interdependent Natural Gas and Electricity Infrastructures for Firming the Variability of Wind Energy in Stochastic Day-Ahead Scheduling. <i>IEEE Transactions on Sustainable Energy</i> , <b>2015</b> , 6, 606-615	8.2	202
522	Market-Based Generation and Transmission Planning With Uncertainties. <i>IEEE Transactions on Power Systems</i> , <b>2009</b> , 24, 1587-1598	7	199
521	Integration of High Reliability Distribution System in Microgrid Operation. <i>IEEE Transactions on Smart Grid</i> , <b>2012</b> , 3, 1997-2006	10.7	197
520	Short-term scheduling of battery in a grid-connected PV/battery system. <i>IEEE Transactions on Power Systems</i> , <b>2005</b> , 20, 1053-1061	7	184
519	Microgrid Scheduling With Uncertainty: The Quest for Resilience. <i>IEEE Transactions on Smart Grid</i> , <b>2016</b> , 7, 2849-2858	10.7	178
518	. <i>IEEE Transactions on Power Systems</i> , <b>2004</b> , 19, 2060-2067	7	177
517	Hourly Electricity Demand Response in the Stochastic Day-Ahead Scheduling of Coordinated Electricity and Natural Gas Networks. <i>IEEE Transactions on Power Systems</i> , <b>2016</b> , 31, 592-601	7	175
516	SCUC With Hourly Demand Response Considering Intertemporal Load Characteristics. <i>IEEE Transactions on Smart Grid</i> , <b>2011</b> , 2, 564-571	10.7	165
515	Synchrophasor Measurement Technology in Power Systems: Panorama and State-of-the-Art. <i>IEEE Access</i> , <b>2014</b> , 2, 1607-1628	3.5	164
514	Microgrid-Based Co-Optimization of Generation and Transmission Planning in Power Systems. <i>IEEE Transactions on Power Systems</i> , <b>2013</b> , 28, 1582-1590	7	161
513	Parameter Design of a Two-Current-Loop Controller Used in a Grid-Connected Inverter System With LCL Filter. <i>IEEE Transactions on Industrial Electronics</i> , <b>2009</b> , 56, 4483-4491	8.9	161
512	A Multi-Objective Framework for Transmission Expansion Planning in Deregulated Environments. <i>IEEE Transactions on Power Systems</i> , <b>2009</b> , 24, 1051-1061	7	161
511	An MILP-Based Optimal Power Flow in Multicarrier Energy Systems. <i>IEEE Transactions on Sustainable Energy</i> , <b>2017</b> , 8, 239-248	8.2	157
510	Adaptive Protection System for Microgrids: Protection practices of a functional microgrid system.. <i>IEEE Electrification Magazine</i> , <b>2014</b> , 2, 66-80	2.6	149
509	Chance-Constrained Day-Ahead Scheduling in Stochastic Power System Operation. <i>IEEE Transactions on Power Systems</i> , <b>2014</b> , 29, 1583-1591	7	148
508	Only Connect: Microgrids for Distribution System Restoration. <i>IEEE Power and Energy Magazine</i> , <b>2014</b> , 12, 70-81	2.4	148
507	Integrated Planning of Electricity and Natural Gas Transportation Systems for Enhancing the Power Grid Resilience. <i>IEEE Transactions on Power Systems</i> , <b>2017</b> , 32, 4418-4429	7	147
506	Optimal Interconnection Planning of Community Microgrids With Renewable Energy Sources. <i>IEEE Transactions on Smart Grid</i> , <b>2017</b> , 8, 1054-1063	10.7	144

505	Market-Based Coordination of Transmission and Generation Capacity Planning. <i>IEEE Transactions on Power Systems</i> , <b>2007</b> , 22, 1406-1419	7	141
504	A Scenario-Based Multi-Objective Model for Multi-Stage Transmission Expansion Planning. <i>IEEE Transactions on Power Systems</i> , <b>2011</b> , 26, 470-478	7	139
503	Coordinated scheduling of electricity and natural gas infrastructures with a transient model for natural gas flow. <i>Chaos</i> , <b>2011</b> , 21, 025102	3.3	139
502	Transmission Switching in Security-Constrained Unit Commitment. <i>IEEE Transactions on Power Systems</i> , <b>2010</b> , 25, 1937-1945	7	134
501	<b>2003</b> ,		132
500	Bilevel Model for Analyzing Coordinated Cyber-Physical Attacks on Power Systems. <i>IEEE Transactions on Smart Grid</i> , <b>2016</b> , 7, 2260-2272	10.7	130
499	AC contingency dispatch based on security-constrained unit commitment. <i>IEEE Transactions on Power Systems</i> , <b>2006</b> , 21, 897-908	7	129
498	A Game Theoretic Approach to Risk-Based Optimal Bidding Strategies for Electric Vehicle Aggregators in Electricity Markets With Variable Wind Energy Resources. <i>IEEE Transactions on Sustainable Energy</i> , <b>2016</b> , 7, 374-385	8.2	125
497	Optimal Stochastic Operation of Integrated Low-Carbon Electric Power, Natural Gas, and Heat Delivery System. <i>IEEE Transactions on Sustainable Energy</i> , <b>2018</b> , 9, 273-283	8.2	124
496	Enhancing the Dispatchability of Variable Wind Generation by Coordination With Pumped-Storage Hydro Units in Stochastic Power Systems. <i>IEEE Transactions on Power Systems</i> , <b>2013</b> , 28, 2808-2818	7	124
495	Cost of Reliability Analysis Based on Stochastic Unit Commitment. <i>IEEE Transactions on Power Systems</i> , <b>2008</b> , 23, 1364-1374	7	123
494	Risk-Constrained Bidding Strategy With Stochastic Unit Commitment. <i>IEEE Transactions on Power Systems</i> , <b>2007</b> , 22, 449-458	7	120
493	Demand Response Exchange in the Stochastic Day-Ahead Scheduling With Variable Renewable Generation. <i>IEEE Transactions on Sustainable Energy</i> , <b>2015</b> , 6, 516-525	8.2	118
492	New Metrics for Assessing the Reliability and Economics of Microgrids in Distribution System. <i>IEEE Transactions on Power Systems</i> , <b>2013</b> , 28, 2852-2861	7	117
491	Front Lines Against the Darkness: Enhancing the Resilience of the Electricity Grid Through Microgrid Facilities. <i>IEEE Electrification Magazine</i> , <b>2016</b> , 4, 18-24	2.6	116
490	Probabilistic Multistage PMU Placement in Electric Power Systems. <i>IEEE Transactions on Power Delivery</i> , <b>2011</b> , 26, 841-849	4.3	115
489	Robust Constrained Operation of Integrated Electricity-Natural Gas System Considering Distributed Natural Gas Storage. <i>IEEE Transactions on Sustainable Energy</i> , <b>2018</b> , 9, 1061-1071	8.2	111
488	Fuzzy-Logic Based Frequency Controller for Wind Farms Augmented With Energy Storage Systems. <i>IEEE Transactions on Power Systems</i> , <b>2016</b> , 31, 1595-1603	7	111

487	Transmission Switching in Expansion Planning. <i>IEEE Transactions on Power Systems</i> , <b>2010</b> , 25, 1722-1733	7	110
486	Reliability-Based Optimal Planning of Electricity and Natural Gas Interconnections for Multiple Energy Hubs. <i>IEEE Transactions on Smart Grid</i> , <b>2017</b> , 8, 1658-1667	10.7	104
485	Electricity-Natural Gas Operation Planning With Hourly Demand Response for Deployment of Flexible Ramp. <i>IEEE Transactions on Sustainable Energy</i> , <b>2016</b> , 7, 996-1004	8.2	103
484	Allocation of Hourly Reserve Versus Demand Response for Security-Constrained Scheduling of Stochastic Wind Energy. <i>IEEE Transactions on Sustainable Energy</i> , <b>2013</b> , 4, 219-228	8.2	103
483	A Hybrid Model for Day-Ahead Price Forecasting. <i>IEEE Transactions on Power Systems</i> , <b>2010</b> , 25, 1519-1530	7	102
482	Fast SCUC for Large-Scale Power Systems. <i>IEEE Transactions on Power Systems</i> , <b>2007</b> , 22, 2144-2151	7	100
481	Expansion Planning of Active Distribution Networks With Centralized and Distributed Energy Storage Systems. <i>IEEE Transactions on Sustainable Energy</i> , <b>2017</b> , 8, 126-134	8.2	99
480	Security-Constrained Co-Optimization Planning of Electricity and Natural Gas Transportation Infrastructures. <i>IEEE Transactions on Power Systems</i> , <b>2015</b> , 30, 2984-2993	7	99
479	Unit Commitment With Probabilistic Spinning Reserve and Interruptible Load Considerations. <i>IEEE Transactions on Power Systems</i> , <b>2009</b> , 24, 388-397	7	97
478	Security-constrained unit commitment for simultaneous clearing of energy and ancillary services markets. <i>IEEE Transactions on Power Systems</i> , <b>2005</b> , 20, 1079-1088	7	96
477	Strategic Generation Capacity Expansion Planning With Incomplete Information. <i>IEEE Transactions on Power Systems</i> , <b>2009</b> , 24, 1002-1010	7	95
476	Blockchain for decentralized transactive energy management system in networked microgrids. <i>Electricity Journal</i> , <b>2019</b> , 32, 58-72	2.6	94
475	Thermal Generation Flexibility With Ramping Costs and Hourly Demand Response in Stochastic Security-Constrained Scheduling of Variable Energy Sources. <i>IEEE Transactions on Power Systems</i> , <b>2015</b> , 30, 2955-2964	7	93
474	Decentralized Optimization of Multi-Area Electricity-Natural Gas Flows Based on Cone Reformulation. <i>IEEE Transactions on Power Systems</i> , <b>2018</b> , 33, 4531-4542	7	92
473	Optimal Traffic-Power Flow in Urban Electrified Transportation Networks. <i>IEEE Transactions on Smart Grid</i> , <b>2017</b> , 8, 84-95	10.7	92
472	Accelerating the Global Adoption of Electric Vehicles: Barriers and Drivers. <i>Electricity Journal</i> , <b>2015</b> , 28, 53-68	2.6	92
471	Direct Calculation of Line Outage Distribution Factors. <i>IEEE Transactions on Power Systems</i> , <b>2009</b> , 24, 1633-1634	7	92
470	. <i>IEEE Electrification Magazine</i> , <b>2013</b> , 1, 40-56	2.6	91

469	Optimal Day-Ahead Charging Scheduling of Electric Vehicles Through an Aggregative Game Model. <i>IEEE Transactions on Smart Grid</i> , <b>2018</b> , 9, 5173-5184	10.7	87
468	Optimal Transactive Market Operations With Distribution System Operators. <i>IEEE Transactions on Smart Grid</i> , <b>2018</b> , 9, 6692-6701	10.7	86
467	Stochastic Security-Constrained Scheduling of Coordinated Electricity and Natural Gas Infrastructures. <i>IEEE Systems Journal</i> , <b>2017</b> , 11, 1674-1683	4.3	85
466	Toward a Cyber Resilient and Secure Microgrid Using Software-Defined Networking. <i>IEEE Transactions on Smart Grid</i> , <b>2017</b> , 8, 2494-2504	10.7	85
465	Cybersecurity in Distributed Power Systems. <i>Proceedings of the IEEE</i> , <b>2017</b> , 105, 1367-1388	14.3	85
464	Decentralized Multiarea Robust Generation Unit and Tie-Line Scheduling Under Wind Power Uncertainty. <i>IEEE Transactions on Sustainable Energy</i> , <b>2015</b> , 6, 1377-1388	8.2	85
463	Contingency-Constrained Reserve Requirements in Joint Energy and Ancillary Services Auction. <i>IEEE Transactions on Power Systems</i> , <b>2009</b> , 24, 1457-1468	7	83
462	Enhanced Voltage Control of VSC-HVDC-Connected Offshore Wind Farms Based on Model Predictive Control. <i>IEEE Transactions on Sustainable Energy</i> , <b>2018</b> , 9, 474-487	8.2	82
461	Hourly Demand Response in Day-Ahead Scheduling Considering Generating Unit Ramping Cost. <i>IEEE Transactions on Power Systems</i> , <b>2013</b> , 28, 2446-2454	7	82
460	ISO's Optimal Strategies for Scheduling the Hourly Demand Response in Day-Ahead Markets. <i>IEEE Transactions on Power Systems</i> , <b>2014</b> , 29, 2636-2645	7	81
459	Impact of WAMS Malfunction on Power System Reliability Assessment. <i>IEEE Transactions on Smart Grid</i> , <b>2012</b> , 3, 1302-1309	10.7	81
458	. <i>IEEE Communications Surveys and Tutorials</i> , <b>2020</b> , 22, 2586-2633	37.1	80
457	Robust Two-Stage Regional-District Scheduling of Multi-carrier Energy Systems With a Large Penetration of Wind Power. <i>IEEE Transactions on Sustainable Energy</i> , <b>2019</b> , 10, 1227-1239	8.2	79
456	Power System Dynamic State Estimation With Synchronized Phasor Measurements. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2014</b> , 63, 352-363	5.2	79
455	Reliability Modeling of PMUs Using Fuzzy Sets. <i>IEEE Transactions on Power Delivery</i> , <b>2010</b> , 25, 2384-2391	4.3	79
454	Security-Constrained Unit Commitment With Flexible Uncertainty Set for Variable Wind Power. <i>IEEE Transactions on Sustainable Energy</i> , <b>2017</b> , 8, 1237-1246	8.2	78
453	Coordinated Regional-District Operation of Integrated Energy Systems for Resilience Enhancement in Natural Disasters. <i>IEEE Transactions on Smart Grid</i> , <b>2019</b> , 10, 4881-4892	10.7	78
452	Hourly demand response in day-ahead scheduling for managing the variability of renewable energy. <i>IET Generation, Transmission and Distribution</i> , <b>2013</b> , 7, 226-234	2.5	77

451	Small-Signal Modeling and Stability Analysis of Hybrid AC/DC Microgrids. <i>IEEE Transactions on Smart Grid</i> , <b>2019</b> , 10, 2080-2095	10.7	77
450	Microgrids for Enhancing the Power Grid Resilience in Extreme Conditions. <i>IEEE Transactions on Smart Grid</i> , <b>2016</b> , 1-1	10.7	76
449	Congestion-Driven Transmission Planning Considering the Impact of Generator Expansion. <i>IEEE Transactions on Power Systems</i> , <b>2008</b> , 23, 781-789	7	73
448	GENCO's Risk-Constrained Hydrothermal Scheduling. <i>IEEE Transactions on Power Systems</i> , <b>2008</b> , 23, 1847-1858	7.2	72
447	Flexible Voltage Control Strategy Considering Distributed Energy Storages for DC Distribution Network. <i>IEEE Transactions on Smart Grid</i> , <b>2019</b> , 10, 163-172	10.7	72
446	Co-optimization of electricity transmission and generation resources for planning and policy analysis: review of concepts and modeling approaches. <i>Energy Systems</i> , <b>2016</b> , 7, 297-332	1.7	70
445	. <i>IEEE Transactions on Power Systems</i> , <b>2006</b> , 21, 1379-1387	7	70
444	Power System Risk Assessment in Cyber Attacks Considering the Role of Protection Systems. <i>IEEE Transactions on Smart Grid</i> , <b>2016</b> , 1-1	10.7	69
443	Comparative Hourly Scheduling of Centralized and Distributed Storage in Day-Ahead Markets. <i>IEEE Transactions on Sustainable Energy</i> , <b>2014</b> , 5, 729-737	8.2	69
442	Robust coordination of interdependent electricity and natural gas systems in day-ahead scheduling for facilitating volatile renewable generations via power-to-gas technology. <i>Journal of Modern Power Systems and Clean Energy</i> , <b>2017</b> , 5, 375-388	4	68
441	A Functional Microgrid for Enhancing Reliability, Sustainability, and Energy Efficiency. <i>Electricity Journal</i> , <b>2012</b> , 25, 21-28	2.6	68
440	Stochastic Scheduling of Battery-Based Energy Storage Transportation System With the Penetration of Wind Power. <i>IEEE Transactions on Sustainable Energy</i> , <b>2017</b> , 8, 135-144	8.2	67
439	Optimal Operation Strategy for Integrated Natural Gas Generating Unit and Power-to-Gas Conversion Facilities. <i>IEEE Transactions on Sustainable Energy</i> , <b>2018</b> , 9, 1870-1879	8.2	67
438	. <i>IEEE Transactions on Smart Grid</i> , <b>2015</b> , 6, 2157-2165	10.7	67
437	Coordination of Short-Term Operation Constraints in Multi-Area Expansion Planning. <i>IEEE Transactions on Power Systems</i> , <b>2012</b> , 27, 2242-2250	7	66
436	Decentralized Operation of Interdependent Power Distribution Network and District Heating Network: A Market-Driven Approach. <i>IEEE Transactions on Smart Grid</i> , <b>2019</b> , 10, 5374-5385	10.7	66
435	Adaptive Formation of Microgrids With Mobile Emergency Resources for Critical Service Restoration in Extreme Conditions. <i>IEEE Transactions on Power Systems</i> , <b>2019</b> , 34, 742-753	7	65
434	Coordinated Planning Strategy for Electric Vehicle Charging Stations and Coupled Traffic-Electric Networks. <i>IEEE Transactions on Power Systems</i> , <b>2019</b> , 34, 268-279	7	65

433	Unit commitment with flexible generating units. <i>IEEE Transactions on Power Systems</i> , <b>2005</b> , 20, 1022-1034		65
432	Long-term security-constrained unit commitment: hybrid Dantzig-Wolfe decomposition and subgradient approach. <i>IEEE Transactions on Power Systems</i> , <b>2005</b> , 20, 2093-2106	7	64
431	Security constrained co-planning of transmission expansion and energy storage. <i>Applied Energy</i> , <b>2019</b> , 239, 383-394	10.7	63
430	Robust Short-Term Scheduling of Integrated Heat and Power Microgrids. <i>IEEE Systems Journal</i> , <b>2019</b> , 13, 3295-3303	4.3	63
429	Battery-Based Energy Storage Transportation for Enhancing Power System Economics and Security. <i>IEEE Transactions on Smart Grid</i> , <b>2015</b> , 6, 2395-2402	10.7	63
428	Market-Based Versus Price-Based Microgrid Optimal Scheduling. <i>IEEE Transactions on Smart Grid</i> , <b>2018</b> , 9, 615-623	10.7	62
427	Risk-Constrained Coordination of Cascaded Hydro Units With Variable Wind Power Generation. <i>IEEE Transactions on Sustainable Energy</i> , <b>2012</b> , 3, 359-368	8.2	61
426	Short-term scheduling of combined cycle units. <i>IEEE Transactions on Power Systems</i> , <b>2004</b> , 19, 1616-1625	7	61
425	Robust Line Hardening Strategies for Improving the Resilience of Distribution Systems With Variable Renewable Resources. <i>IEEE Transactions on Sustainable Energy</i> , <b>2019</b> , 10, 386-395	8.2	61
424	Modeling Transmission Line Constraints in Two-Stage Robust Unit Commitment Problem. <i>IEEE Transactions on Power Systems</i> , <b>2014</b> , 29, 1221-1231	7	60
423	Security-Constrained Generation and Transmission Outage Scheduling With Uncertainties. <i>IEEE Transactions on Power Systems</i> , <b>2010</b> , 25, 1674-1685	7	60
422	Analysis and Improvement of Maximum Power Point Tracking Algorithm Based on Incremental Conductance Method for Photovoltaic Array <b>2007</b> ,		59
421	Solid-State Circuit Breaker Snubber Design for Transient Overvoltage Suppression at Bus Fault Interruption in Low-Voltage DC Microgrid. <i>IEEE Transactions on Power Electronics</i> , <b>2017</b> , 32, 3007-3021	7.2	58
420	Networked Microgrids: Exploring the Possibilities of the IIT-Bronzeville Grid. <i>IEEE Power and Energy Magazine</i> , <b>2017</b> , 15, 63-71	2.4	58
419	Hybrid AC/DC Transmission Expansion Planning. <i>IEEE Transactions on Power Delivery</i> , <b>2012</b> , 27, 1620-1628	4.3	58
418	. <i>IEEE Transactions on Smart Grid</i> , <b>2017</b> , 8, 1771-1781	10.7	57
417	Security-Constrained Unit Commitment With AC/DC Transmission Systems. <i>IEEE Transactions on Power Systems</i> , <b>2010</b> , 25, 531-542	7	57
416	Accelerating the Benders decomposition for network-constrained unit commitment problems. <i>Energy Systems</i> , <b>2010</b> , 1, 339-376	1.7	57



415	GENCO's Risk-Based Maintenance Outage Scheduling. <i>IEEE Transactions on Power Systems</i> , <b>2008</b> , 23, 127-136	7	57
414	Security-Constrained Optimal Coordination of Generation and Transmission Maintenance Outage Scheduling. <i>IEEE Transactions on Power Systems</i> , <b>2007</b> , 22, 1302-1313	7	57
413	Transactive Real-Time Electric Vehicle Charging Management for Commercial Buildings With PV On-Site Generation. <i>IEEE Transactions on Smart Grid</i> , <b>2019</b> , 10, 4939-4950	10.7	57
412	. <i>IEEE Transactions on Power Delivery</i> , <b>2014</b> , 29, 345-352	4.3	56
411	Component and Mode Models for the Short-Term Scheduling of Combined-Cycle Units. <i>IEEE Transactions on Power Systems</i> , <b>2009</b> , 24, 976-990	7	56
410	. <i>IEEE Transactions on Smart Grid</i> , <b>2020</b> , 11, 4795-4808	10.7	54
409	Risk and profit in self-scheduling for GenCos. <i>IEEE Transactions on Power Systems</i> , <b>2004</b> , 19, 2104-2106	7	54
408	Event-Triggered Updating Method in Centralized and Distributed Secondary Controls for Islanded Microgrid Restoration. <i>IEEE Transactions on Smart Grid</i> , <b>2020</b> , 11, 1387-1395	10.7	54
407	Combined Active and Reactive Power Control of Wind Farms Based on Model Predictive Control. <i>IEEE Transactions on Energy Conversion</i> , <b>2017</b> , 32, 1177-1187	5.4	53
406	. <i>IEEE Transactions on Power Systems</i> , <b>2017</b> , 32, 1782-1795	7	53
405	Deep Reinforcement Learning for EV Charging Navigation by Coordinating Smart Grid and Intelligent Transportation System. <i>IEEE Transactions on Smart Grid</i> , <b>2020</b> , 11, 1714-1723	10.7	53
404	Analyzing Locally Coordinated Cyber-Physical Attacks for Undetectable Line Outages. <i>IEEE Transactions on Smart Grid</i> , <b>2018</b> , 9, 35-47	10.7	51
403	Microgrid Topology Planning for Enhancing the Reliability of Active Distribution Networks. <i>IEEE Transactions on Smart Grid</i> , <b>2018</b> , 9, 6369-6377	10.7	51
402	Stochastic Price-Based Coordination of Intrahour Wind Energy and Storage in a Generation Company. <i>IEEE Transactions on Sustainable Energy</i> , <b>2013</b> , 4, 554-562	8.2	50
401	Role of smart microgrid in a perfect power system <b>2010</b> ,		50
400	Smart street lighting system: A platform for innovative smart city applications and a new frontier for cyber-security. <i>Electricity Journal</i> , <b>2016</b> , 29, 28-35	2.6	50
399	Optimizing Traffic Signal Settings in Smart Cities. <i>IEEE Transactions on Smart Grid</i> , <b>2017</b> , 8, 2382-2393	10.7	49
398	. <i>IEEE Transactions on Smart Grid</i> , <b>2015</b> , 6, 2166-2175	10.7	49

397	Power System Voltage Stability Evaluation Considering Renewable Energy With Correlated Variabilities. <i>IEEE Transactions on Power Systems</i> , <b>2018</b> , 33, 3236-3245	7	49
396	Two-Stage Optimal Scheduling of Electric Vehicle Charging Based on Transactive Control. <i>IEEE Transactions on Smart Grid</i> , <b>2019</b> , 10, 2948-2958	10.7	49
395	Adaptive Robust Tie-Line Scheduling Considering Wind Power Uncertainty for Interconnected Power Systems. <i>IEEE Transactions on Power Systems</i> , <b>2016</b> , 31, 2701-2713	7	47
394	Integration of power-to-hydrogen in day-ahead security-constrained unit commitment with high wind penetration. <i>Journal of Modern Power Systems and Clean Energy</i> , <b>2017</b> , 5, 337-349	4	47
393	Resilience-Promoting Proactive Scheduling Against Hurricanes in Multiple Energy Carrier Microgrids. <i>IEEE Transactions on Power Systems</i> , <b>2019</b> , 34, 2160-2168	7	47
392	Optimal Consensus-Based Distributed Control Strategy for Coordinated Operation of Networked Microgrids. <i>IEEE Transactions on Power Systems</i> , <b>2020</b> , 35, 2452-2462	7	46
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