

George N Korres

List of Publications by Year in descending order

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47
papers

2,056
citations

331670

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395702

33
g-index

47
all docs

47
docs citations

47
times ranked

1515
citing authors

#	ARTICLE	IF	CITATIONS
1	Taxonomy of PMU Placement Methodologies. IEEE Transactions on Power Systems, 2012, 27, 1070-1077.	6.5	301
2	State estimation and bad data processing for systems including PMU and SCADA measurements. Electric Power Systems Research, 2011, 81, 1514-1524.	3.6	186
3	A Distributed Multiarea State Estimation. IEEE Transactions on Power Systems, 2011, 26, 73-84.	6.5	176
4	Numerical observability method for optimal phasor measurement units placement using recursive Tabu search method. IET Generation, Transmission and Distribution, 2013, 7, 347-356.	2.5	142
5	Hardware-In-the-Loop Design and Optimal Setting of Adaptive Protection Schemes for Distribution Systems With Distributed Generation. IEEE Transactions on Power Delivery, 2017, 32, 393-400.	4.3	123
6	A Novel Algorithm for Locating Faults on Transposed/Untransposed Transmission Lines Without Utilizing Line Parameters. IEEE Transactions on Power Delivery, 2010, 25, 2328-2338.	4.3	119
7	A Weighted Least Squares Algorithm for Optimal PMU Placement. IEEE Transactions on Power Systems, 2013, 28, 3499-3500.	6.5	102
8	A Novel Fault-Location Algorithm for Double-Circuit Transmission Lines Without Utilizing Line Parameters. IEEE Transactions on Power Delivery, 2011, 26, 1467-1478.	4.3	98
9	Optimal phasor measurement unit placement for numerical observability in the presence of conventional measurements using semi-definite programming. IET Generation, Transmission and Distribution, 2015, 9, 2427-2436.	2.5	87
10	A Novel Quadratically Constrained Quadratic Programming Method for Optimal Coordination of Directional Overcurrent Relays. IEEE Transactions on Power Delivery, 2017, 32, 3-10.	4.3	79
11	Optimal PMU Placement for Numerical Observability Considering Fixed Channel Capacity – A Semidefinite Programming Approach. IEEE Transactions on Power Systems, 2016, 31, 3328-3329.	6.5	62
12	A state estimation algorithm for monitoring topology changes in distribution systems. , 2012, , .		54
13	Optimal Allocation of Phasor Measurement Units Considering Various Contingencies and Measurement Redundancy. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 3403-3411.	4.7	52
14	State estimation in Multi-Microgrids. European Transactions on Electrical Power, 2011, 21, 1178-1199.	1.0	42
15	Fisher Information-Based Meter Placement in Distribution Grids via the D-Optimal Experimental Design. IEEE Transactions on Smart Grid, 2018, 9, 1452-1461.	9.0	40
16	A Robust Algorithm for Power System State Estimation With Equality Constraints. IEEE Transactions on Power Systems, 2010, 25, 1531-1541.	6.5	39
17	A sequential quadratic programming method for contingency-constrained phasor measurement unit placement. International Transactions on Electrical Energy Systems, 2015, 25, 3185-3211.	1.9	39
18	A state estimator including conventional and synchronized phasor measurements. Computers and Electrical Engineering, 2012, 38, 294-305.	4.8	32

#	ARTICLE	IF	CITATIONS
19	A distributed implementation of multi-area power system state estimation on a cluster of computers. <i>Electric Power Systems Research</i> , 2013, 102, 20-32.	3.6	32
20	Fault Location Observability using Phasor Measurements Units via Semidefinite Programming. <i>IEEE Access</i> , 2016, 4, 5187-5195.	4.2	32
21	Optimized Measurement Allocation for Power Distribution Systems Using Mixed Integer SDP. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2017, 66, 2967-2976.	4.7	30
22	A hybrid power system state estimator using synchronized and unsynchronized sensors. <i>International Transactions on Electrical Energy Systems</i> , 2018, 28, e2580.	1.9	27
23	A two-stage state estimator for power systems with PMU and SCADA measurements. , 2013, , .		21
24	A Gram Matrix-Based Method for Observability Restoration. <i>IEEE Transactions on Power Systems</i> , 2011, 26, 2569-2571.	6.5	17
25	Protection coordination in modern distribution grids integrating optimization techniques with adaptive relay setting. , 2015, , .		15
26	Observability analysis and restoration for systems with conventional and phasor measurements. <i>International Transactions on Electrical Energy Systems</i> , 2013, 23, 1548-1566.	1.9	13
27	Application of State Estimation in Distribution Systems with Embedded Microgrids. <i>Energies</i> , 2021, 14, 7933.	3.1	12
28	Observability Analysis Based on Echelon Form of a Reduced Dimensional Jacobian Matrix. <i>IEEE Transactions on Power Systems</i> , 2011, 26, 2572-2573.	6.5	10
29	An Advanced Measurement Placement Method for Power System Observability Using Semidefinite Programming. <i>IEEE Systems Journal</i> , 2018, 12, 2601-2609.	4.6	10
30	Real-time implementation of digital relay models using MATLAB/SIMULINK and RTDS. <i>European Transactions on Electrical Power</i> , 2010, 20, 290-305.	1.0	8
31	Optimal allocation of smart metering systems for enhanced distribution system state estimation. , 2016, , .		8
32	Semidefinite programming for optimal placement of PMUs with channel limits considering pre-existing SCADA and PMU measurements. , 2016, , .		8
33	A Constrained Ordering for Solving the Equality Constrained State Estimation. <i>IEEE Transactions on Power Systems</i> , 2012, 27, 1998-2005.	6.5	6
34	Observability and criticality analysis in state estimation using integer-preserving Gaussian elimination. <i>International Transactions on Electrical Energy Systems</i> , 2013, 23, 405-422.	1.9	6
35	Obtaining State Equations for Planar Nondegenerate Linear Electric Circuits Using Mesh Analysis with Virtual Voltage Sources. <i>International Journal of Electrical Engineering and Education</i> , 2008, 45, 239-250.	0.8	5
36	Observability analysis and restoration for state estimation using SCADA and PMU data. , 2012, , .		5

#	ARTICLE	IF	CITATIONS
37	A Peculiar Property of Double-Phase-to-Ground Faults in the Presence of Fault Resistance. IEEE Transactions on Power Delivery, 2018, 33, 2044-2046.	4.3	5
38	State Estimation Using SCADA and PMU Measurements for Networks Containing Classic HVDC Links. Electric Power Systems Research, 2022, 212, 108544.	3.6	4
39	PMU-Based State Estimation for Networks Containing LCC-HVDC Links. IEEE Transactions on Power Systems, 2022, 37, 2475-2478.	6.5	3
40	A Mixed Integer SDP Method for Optimal Meter Placement in Power Transmission Systems. , 2019, , .		2
41	Substation-oriented PMU placement considering transformer tap settings. , 2018, , .		1
42	Synchrophasor applications using conic optimization. , 2018, , .		1
43	A PMU-based state estimator for networks including classic HVDC links. , 2021, , .		1
44	Optimizing D-PMU deployment for distribution system state estimation. , 2022, , .		1
45	Innovative solution for overcurrent relay coordination studies in power delivery networks using optimisation techniques. Journal of Engineering, 2018, 2018, 1103-1108.	1.1	0
46	On the Imputation of Power System Measurement Streams with Imperfect Wireless Communication. , 2020, , .		0
47	PMU-based state estimator for power systems including VSC-HVDC links. , 2022, , .		0