Kit Po Wong

List of Publications by Citations

93 papers	**4,812** citations	**38** h-index	**68** g-index
99 ext. papers	**5,902** ext. citations	**5.9** avg, IF	**5.87** L-index

#	Paper	IF	Citations
93	Probabilistic Forecasting of Wind Power Generation Using Extreme Learning Machine. *IEEE Transactions on Power Systems*, **2014**, 29, 1033-1044	7	407
92	Evolutionary programming based optimal power flow algorithm. *IEEE Transactions on Power Systems*, **1999**, 14, 1245-1250	7	312
91	Advanced Control Strategy of DFIG Wind Turbines for Power System Fault Ride Through. *IEEE Transactions on Power Systems*, **2012**, 27, 713-722	7	216
90	Optimal Allocation of Energy Storage System for Risk Mitigation of DISCOs With High Renewable Penetrations. *IEEE Transactions on Power Systems*, **2014**, 29, 212-220	7	213
89	Optimal Prediction Intervals of Wind Power Generation. *IEEE Transactions on Power Systems*, **2014**, 29, 1166-1174	7	205
88	Quantum-Inspired Particle Swarm Optimization for Valve-Point Economic Load Dispatch. *IEEE Transactions on Power Systems*, **2010**, 25, 215-222	7	177
87	Electricity Price Forecasting With Extreme Learning Machine and Bootstrapping. *IEEE Transactions on Power Systems*, **2012**, 27, 2055-2062	7	148
86	A Hybrid Approach for Probabilistic Forecasting of Electricity Price. *IEEE Transactions on Smart Grid*, **2014**, 5, 463-470	10.7	142
85	Quantum-Inspired Particle Swarm Optimization for Power System Operations Considering Wind Power Uncertainty and Carbon Tax in Australia. *IEEE Transactions on Industrial Informatics*, **2012**, 8, 880-888	11.9	135
84	Oscillatory Stability and Eigenvalue Sensitivity Analysis of A DFIG Wind Turbine System. *IEEE Transactions on Energy Conversion*, **2011**, 26, 328-339	5.4	132
83	A Reliable Intelligent System for Real-Time Dynamic Security Assessment of Power Systems. *IEEE Transactions on Power Systems*, **2012**, 27, 1253-1263	7	125
82	Short-term load forecasting of Australian National Electricity Market by an ensemble model of extreme learning machine. *IET Generation, Transmission and Distribution*, **2013**, 7, 391-397	2.5	118
81	Robust Coordination of Distributed Generation and Price-Based Demand Response in Microgrids. *IEEE Transactions on Smart Grid*, **2018**, 9, 4236-4247	10.7	109
80	Multi-Stage Flexible Expansion Co-Planning Under Uncertainties in a Combined Electricity and Gas Market. *IEEE Transactions on Power Systems*, **2015**, 30, 2119-2129	7	101
79	Advanced Control Strategies of PMSG-Based Wind Turbines for System Inertia Support. *IEEE Transactions on Power Systems*, **2017**, 32, 3027-3037	7	101
78	Post-disturbance transient stability assessment of power systems by a self-adaptive intelligent system. *IET Generation, Transmission and Distribution*, **2015**, 9, 296-305	2.5	96
77	Optimal allocation of battery energy storage systems in distribution networks with high wind power penetration. *IET Renewable Power Generation*, **2016**, 10, 1105-1113	2.9	86

76	An Advanced Quantum-Inspired Evolutionary Algorithm for Unit Commitment. *IEEE Transactions on Power Systems*, **2011**, 26, 847-854	7	80
75	A Linear Programming Approach to Expansion Co-Planning in Gas and Electricity Markets. *IEEE Transactions on Power Systems*, **2016**, 31, 3594-3606	7	75
74	A Self-Adaptive RBF Neural Network Classifier for Transformer Fault Analysis. *IEEE Transactions on Power Systems*, **2010**, 25, 1350-1360	7	75
73	Multi-Objective Dynamic VAR Planning Against Short-Term Voltage Instability Using a Decomposition-Based Evolutionary Algorithm. *IEEE Transactions on Power Systems*, **2014**, 29, 2813-2822	7	66
72	Combined genetic algorithm/simulated annealing/fuzzy set approach to short-term generation scheduling with take-or-pay fuel contract. *IEEE Transactions on Power Systems*, **1996**, 11, 128-136	7	66
71	Short-term operational planning framework for virtual power plants with high renewable penetrations. *IET Renewable Power Generation*, **2016**, 10, 623-633	2.9	65
70	A Modified Differential Evolution Algorithm With Fitness Sharing for Power System Planning. *IEEE Transactions on Power Systems*, **2008**, 23, 514-522	7	64
69	A Sliding Mode Based Damping Control of DFIG for Interarea Power Oscillations. *IEEE Transactions on Sustainable Energy*, **2017**, 8, 258-267	8.2	63
68	Control of Island AC Microgrids Using a Fully Distributed Approach. *IEEE Transactions on Smart Grid*, **2015**, 6, 943-945	10.7	62
67	An Advanced Approach for Construction of Optimal Wind Power Prediction Intervals. *IEEE Transactions on Power Systems*, **2015**, 30, 2706-2715	7	58
66	Particle Filter Approach to Dynamic State Estimation of Generators in Power Systems. *IEEE Transactions on Power Systems*, **2015**, 30, 2665-2675	7	58
65	Recent Advancements on Smart Grids in China. *Electric Power Components and Systems*, **2014**, 42, 251-261	1	57
64	Intelligent Early Warning of Power System Dynamic Insecurity Risk: Toward Optimal Accuracy-Earliness Tradeoff. *IEEE Transactions on Industrial Informatics*, **2017**, 13, 2544-2554	11.9	54
63	Forecasting-Aided Imperfect False Data Injection Attacks Against Power System Nonlinear State Estimation. *IEEE Transactions on Smart Grid*, **2016**, 7, 6-8	10.7	54
62	A Hybrid Method for Transient Stability-Constrained Optimal Power Flow Computation. *IEEE Transactions on Power Systems*, **2012**, 27, 1769-1777	7	54
61	Distributionally Robust Solution to the Reserve Scheduling Problem With Partial Information of Wind Power. *IEEE Transactions on Power Systems*, **2015**, 30, 2822-2823	7	51
60	Deep Clipping for Impulsive Noise Mitigation in OFDM-Based Power-Line Communications. *IEEE Transactions on Power Delivery*, **2014**, 29, 1335-1343	4.3	50
59	Solving Preventive-Corrective SCOPF by a Hybrid Computational Strategy. *IEEE Transactions on Power Systems*, **2014**, 29, 1345-1355	7	48

58	A Decentralized Hierarchical Control Structure and Self-Optimizing Control Strategy for F-P Type DGs in Islanded Microgrids. *IEEE Transactions on Smart Grid*, **2016**, 7, 3-5	10.7	45
57	Parallel-differential evolution approach for optimal event-driven load shedding against voltage collapse in power systems. *IET Generation, Transmission and Distribution*, **2014**, 8, 651-660	2.5	42
56	Coordinated Control Strategies of PMSG-Based Wind Turbine for Smoothing Power Fluctuations. *IEEE Transactions on Power Systems*, **2019**, 34, 391-401	7	40
55	State Estimation of Doubly Fed Induction Generator Wind Turbine in Complex Power Systems. *IEEE Transactions on Power Systems*, **2016**, 31, 4935-4944	7	38
54	Static Output Feedback Frequency Stabilization of Time-Delay Power Systems With Coordinated Electric Vehicles State of Charge Control. *IEEE Transactions on Power Systems*, **2017**, 32, 3862-3874	7	37
53	Robust Security Constrained-Optimal Power Flow Using Multiple Microgrids for Corrective Control of Power Systems Under Uncertainty. *IEEE Transactions on Industrial Informatics*, **2017**, 13, 1704-1713	11.9	37
52	Preventive Dynamic Security Control of Power Systems Based on Pattern Discovery Technique. *IEEE Transactions on Power Systems*, **2012**, 27, 1236-1244	7	36
51	. *IEEE Transactions on Power Systems*, **2017**, 32, 4211-4221	7	34
50	A Novel Quasi-Decentralized Functional Observer Approach to LFC of Interconnected Power Systems. *IEEE Transactions on Power Systems*, **2016**, 31, 3139-3151	7	34
49	Collector System Layout Optimization Framework for Large-Scale Offshore Wind Farms. *IEEE Transactions on Sustainable Energy*, **2016**, 7, 1398-1407	8.2	33
48	Spinning Reserve Requirement Optimization Considering Integration of Plug-In Electric Vehicles. *IEEE Transactions on Smart Grid*, **2017**, 8, 2009-2021	10.7	33
47	Retirement-Driven Dynamic VAR Planning for Voltage Stability Enhancement of Power Systems With High-Level Wind Power. *IEEE Transactions on Power Systems*, **2018**, 33, 2282-2291	7	32
46	A DSE-Based Power System Frequency Restoration Strategy for PV-Integrated Power Systems Considering Solar Irradiance Variations. *IEEE Transactions on Industrial Informatics*, **2017**, 13, 2511-2518	11.9	31
45	Optimal placement of static compensators for multi-objective voltage stability enhancement of power systems. *IET Generation, Transmission and Distribution*, **2015**, 9, 2144-2151	2.5	28
44	Cooperation-Driven Distributed Control Scheme for Large-Scale Wind Farm Active Power Regulation. *IEEE Transactions on Energy Conversion*, **2017**, 32, 1240-1250	5.4	22
43	Linear Combining of Nonlinear Preprocessors for OFDM-Based Power-Line Communications. *IEEE Transactions on Smart Grid*, **2016**, 7, 253-260	10.7	22
42	Multi-objective generation dispatch using bi-criterion global optimisation. *IEEE Transactions on Power Systems*, **1995**, 10, 1813-1819	7	21
41	Powering China's Sustainable Development with Renewable Energies: Current Status and Future Trend. *Electric Power Components and Systems*, **2015**, 43, 1193-1204	1	20

40	Integration of electric vehicles for load frequency output feedback H∞control of smart grids. *IET Generation, Transmission and Distribution*, **2016**, 10, 3341-3352	2.5	20
39	A composite k-nearest neighbor model for day-ahead load forecasting with limited temperature forecasts **2016**,		20
38	Advanced frequency support strategy of photovoltaic system considering changing working conditions. *IET Generation, Transmission and Distribution*, **2018**, 12, 363-370	2.5	18
37	Optimal PMU placement considering state estimation uncertainty and voltage controllability. *IET Generation, Transmission and Distribution*, **2017**, 11, 4465-4475	2.5	18
36	Discussion of Combined Nonparametric Prediction Intervals for Wind Power Generation *IEEE Transactions on Sustainable Energy*, **2014**, 5, 1021-1021	8.2	17
35	Hybrid computation of corrective security-constrained optimal power flow problems. *IET Generation, Transmission and Distribution*, **2014**, 8, 995-1006	2.5	16
34	Permutation-based Power System Restoration in Smart Grid Considering Load Prioritization. *Electric Power Components and Systems*, **2014**, 42, 361-371	1	16
33	Operating Expense Optimization for EVs in Multiple Depots and Charge Stations Environment Using Evolutionary Heuristic Method. *IEEE Transactions on Smart Grid*, **2018**, 9, 6599-6611	10.7	15
32	A Probabilistic Transmission Planning Framework for Reducing Network Vulnerability to Extreme Events. *IEEE Transactions on Power Systems*, **2016**, 31, 3829-3839	7	15
31	A decision tree-based on-line preventive control strategy for power system transient instability prevention. *International Journal of Systems Science*, **2014**, 45, 176-186	2.3	15
30	On the Performance of Blanking Nonlinearity in Real-Valued OFDM-Based PLC. *IEEE Transactions on Smart Grid*, **2018**, 9, 449-457	10.7	13
29	A low-carbon oriented probabilistic approach for transmission expansion planning. *Journal of Modern Power Systems and Clean Energy*, **2015**, 3, 14-23	4	11
28	Measurement-based dynamic load modelling using time-domain simulation and parallel-evolutionary search. *IET Generation, Transmission and Distribution*, **2016**, 10, 3893-3900	2.5	9
27	An online maximum power point capturing technique for high-efficiency power generation of solar photovoltaic systems. *Journal of Modern Power Systems and Clean Energy*, **2019**, 7, 357-368	4	9
26	Adaptive partitioning approach to self-sustained smart grid. *IET Generation, Transmission and Distribution*, **2017**, 11, 485-494	2.5	8
25	Variable Utilization-Level Scheme for Load-Sharing Control of Wind Farm. *IEEE Transactions on Energy Conversion*, **2018**, 33, 856-868	5.4	8
24	Probabilistic load flow computation using first-order second-moment method **2012**,		8
23	A day-ahead scheduling framework for thermostatically controlled loads with thermal inertia and thermal comfort model. *Journal of Modern Power Systems and Clean Energy*, **2019**, 7, 568-578	4	8

22	Joint peak amplitude and impulsive noise clippings in OFDM-based power line communications **2013**,		7
21	A test system for combined heat and power economic dispatch problems **2004**,		6
20	Security constrained unit commitment-based power system dispatching with plug-in hybrid electric vehicles **2015**,		5
19	Voltage stability margin prediction by ensemble based extreme learning machine **2013**,		5
18	A MILP approach to accommodate more Building Integrated Photovoltaic system in distribution network **2015**,		4
17	Hybrid GA/SA algorithms for evaluating trade-off between economic cost and environmental impact in generation dispatch		4
16	Non-Network Solution Coordinated Voltage Stability Enhancement With STATCOM and UVLS for Wind-Penetrated Power System. *IEEE Transactions on Sustainable Energy*, **2020**, 11, 1559-1568	8.2	4
15	A control strategy of battery energy storage system and allocation in distribution systems **2013**,		3
14	A proposed study on economic impacts due to cyber attacks in Smart Grid: A risk based assessment **2013**,		3
13	Evolutionary programming based optimal power flow algorithm		3
12	Impulsive noise detection in PLC with smoothed L0-norm **2015**,		2
11	Power Flow Features and Balancing in MTDC Integrated Offshore Wind Farms. *Electric Power Components and Systems*, **2017**, 45, 1068-1079	1	2
10	A Novel Network Partitioning Approach in Smart Grid Environment **2015**,		2
9	Solving the load-flow problem using genetic algorithm		2
8	Nonparametric conditional interval forecasts for PV power generation considering the temporal dependence **2016**,		2
7	Hybrid cloud computing platform: The next generation IT backbone for smart grid **2012**,		1
6	Power system transient stability-constrained optimal power flow: A comprehensive review **2012**,		1
5	A general stability metric for competitive power markets		1

List of Publications

4	Determining equilibrium of competitive power markets		1
3	Sub-harmonic state estimation in power systems		1
2	Applications of artificial intelligence and expert systems in power engineering. *Knowledge Engineering Review*, **1990**, 5, 127-140	2.1	1
1	SHAPES: A novel approach for learning search heuristics in under-constrained optimization problems. *IEEE Transactions on Knowledge and Data Engineering*, **1997**, 9, 731-746	4.2	0