

## **Dr. Chi-Yung Chung**

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### **CV**

#### **Education History**

Ph.D. degree in electrical engineering from The Hong Kong Polytechnic University, China

#### **Current Positions**

Professor in the Department of Electrical and Computer Engineering, University of Saskatchewan

NSERC/SaskPower Senior Industrial Research Chair, Smart Grid Technologies

SaskPower Chair in Power Systems Engineering, Smart Grid Technologies

SaskPower Chair in Power Systems Engineering, University of Saskatchewan

Fellow of IEEE and IET

IEEE PES Distinguished Lecturer

Member-at-Large (Global Outreach) of IEEE PES Governing Board

Editor of IEEE Transactions of Power Systems

Editor of IEEE Transactions on Sustainable Energy

Editor of IEEE Power Engineering Letters

Associate Editor of IET Generation

Associate Editor of Transmission & Distribution

Associate Editor of CSEE Journal of Power and Energy Systems

Associate Editor of Journal of Modern Power Systems and Clean Energy

#### **Biography**

Dr. C.Y. Chung is a Professor, the NSERC/SaskPower Senior Industrial Research Chair in Smart Grid Technologies, and the SaskPower Chair in Power Systems Engineering in Smart Grid Technologies, and the SaskPower Chair in Power Systems Engineering in the Department of Electrical and Computer Engineering at the University of Saskatchewan, Saskatoon, SK, Canada. He is a prominent leader for advancing academic activities and applied research in power systems engineering development in the province of Saskatchewan. He is now leading a research team, supported by SaskPower and NSERC of Canada, to conduct cutting-edge and long-term smart grid research for SaskPower and address critical technical issues associated with smart grid technologies and their applications to real power systems. He is a Fellow of IEEE and IET. He is also an IEEE PES Distinguished Lecturer and the Member-at-Large (Global Outreach) of IEEE PES Governing Board.

Dr. Chung received the B.Eng degree (with First Class Honors) and the Ph.D. degree in electrical engineering from The Hong Kong Polytechnic University, China, in 1995 and 1999, respectively. His

research work has not only generated 3 US patents, 2 book chapters, and over 120 international journal papers, but has also resulted in successful transference of two new commercial software packages developed for power system analysis. Software package "Small Signal Analysis Tool (SSAT)" developed by him is now being used by over 80 power companies and nearly 90 universities worldwide.

Dr. Chung was the Member-at-Large (Smart Grid) of IEEE PES Governing Board, the Past Chairman of the IEEE Hong Kong Section, IEEE Hong Kong Joint Chapter of PES/IAS/PELS/IES and IET Hong Kong PES. He was the General Chair of IEEE EPEC2017 and IEEE PES APPEEC2014, Co-Chair of IEEE TENCON2015, IEEE PES APPEEC2013 and IEEE ICHQP2012, Vice-Chairman of IET APSCOM 2015 and IET APSCOM 2012, Technical Chairman of IET APSCOM 2009, and Honorary Secretary of IEEE DRPT2004 and IEEE IAS 2005 Annual Meeting.

Dr. Chung is currently an Editor of IEEE Transactions of Power Systems, IEEE Transactions on Sustainable Energy, and IEEE Power Engineering Letters, and an Associate Editor of IET Generation, Transmission & Distribution, CSEE Journal of Power and Energy Systems, and Journal of Modern Power Systems and Clean Energy.

### **Citation Report and Publication List**

(Results searched from Citation Report, Web of Science)

From Web of Science Search

Results found: 64

Sum of the Times Cited 350

Average Citations per Item: 5.47

h-index : 11

Citation Report		Total Citations	Average per Year
		350	70
1	<b>Title:</b> A Novel Probabilistic Optimal Power Flow Model With Uncertain Wind Power Generation Described by Customized Gaussian Mixture Model <b>By:</b> Ke, Deping; Chung, C. Y.; Sun, Yuanzhang <b>Source:</b> IEEE TRANSACTIONS ON SUSTAINABLE ENERGY <b>Volume:</b> 7 <b>Issue:</b> 1 <b>Pages:</b> 200-212 <b>Published:</b> JAN 2016	35	8.75
2	<b>Title:</b> Reliability Evaluation of Distribution Systems Including Vehicle-to-Home and Vehicle-to-Grid <b>By:</b> Xu, N. Z.; Chung, C. Y. <b>Source:</b> IEEE TRANSACTIONS ON POWER SYSTEMS <b>Volume:</b> 31 <b>Issue:</b> 1 <b>Pages:</b> 759-768 <b>Published:</b> JAN 2016	29	7.25
3	<b>Title:</b> Optimal planning and operation of energy storage systems in radial networks for wind power integration with reserve support <b>By:</b> Qin, Mingwen; Chan, Kevin Wing; Chung, Chi Yung; et al. <b>Source:</b> IET GENERATION TRANSMISSION & DISTRIBUTION <b>Volume:</b> 10 <b>Issue:</b> 8 <b>Pages:</b> 2019-2025 <b>Published:</b> MAY 19 2016	28	7

4	<b>Title:</b> A fuzzy Petri net based approach for fault diagnosis in power systems considering temporal constraints <b>By:</b> Zhang, Yan; Zhang, Yong; Wen, Fushuan; et al. <b>Source:</b> INTERNATIONAL JOURNAL OF ELECTRICAL POWER & ENERGY SYSTEMS <b>Volume:</b> 78 <b>Pages:</b> 215-224 <b>Published:</b> JUN 2016	24	6
5	<b>Title:</b> Optimal scheduling of virtual power plant with battery degradation cost <b>By:</b> Zhou, Bin; Liu, Xi; Cao, Yijia; et al. <b>Source:</b> IET GENERATION TRANSMISSION & DISTRIBUTION <b>Volume:</b> 10 <b>Issue:</b> 3 <b>Special Issue:</b> SI <b>Pages:</b> 712-725 <b>Published:</b> FEB 18 2016	22	5.5
6	<b>Title:</b> Scenario-Based Comprehensive Expansion Planning for Distribution Systems Considering Integration of Plug-in Electric Vehicles <b>By:</b> Yao, Weifeng; Chung, C. Y.; Wen, Fushuan; et al. <b>Source:</b> IEEE TRANSACTIONS ON POWER SYSTEMS <b>Volume:</b> 31 <b>Issue:</b> 1 <b>Pages:</b> 317-328 <b>Published:</b> JAN 2016	21	5.25
7	<b>Title:</b> Economic MPC of Aggregating Commercial Buildings for Providing Flexible Power Reserve <b>By:</b> Mai, Weijie; Chung, C. Y. <b>Source:</b> IEEE TRANSACTIONS ON POWER SYSTEMS <b>Volume:</b> 30 <b>Issue:</b> 5 <b>Pages:</b> 2685-2694 <b>Published:</b> SEP 2015	17	3.4
8	<b>Title:</b> Novel Multi-Step Short-Term Wind Power Prediction Framework Based on Chaotic Time Series Analysis and Singular Spectrum Analysis <b>By:</b> Safari, Nima; Chung, C. Y.; Price, G. C. D. <b>Source:</b> IEEE TRANSACTIONS ON POWER SYSTEMS <b>Volume:</b> 33 <b>Issue:</b> 1 <b>Pages:</b> 590-601 <b>Published:</b> JAN 2018	16	8
9	<b>Title:</b> A Novel Adaptive Wide Area PSS Based on Output-Only Modal Analysis <b>By:</b> Zhang, Junbo; Chung, C. Y.; Lu, Chao; et al. <b>Source:</b> IEEE TRANSACTIONS ON POWER SYSTEMS <b>Volume:</b> 30 <b>Issue:</b> 5 <b>Pages:</b> 2633-2642 <b>Published:</b> SEP 2015	13	2.6
10	<b>Title:</b> Design of Probabilistically-Robust Wide-Area Power System Stabilizers to Suppress Inter-Area Oscillations of Wind Integrated Power Systems <b>By:</b> Ke, Deping; Chung, C. Y. <b>Source:</b> IEEE TRANSACTIONS ON POWER SYSTEMS <b>Volume:</b> 31 <b>Issue:</b> 6 <b>Pages:</b> 4297-4309 <b>Published:</b> NOV 2016	12	3
11	<b>Title:</b> Challenges in Future Competition of Electric Vehicle Charging Management and Solutions <b>By:</b> Xu, N. Z.; Chung, C. Y. <b>Source:</b> IEEE TRANSACTIONS ON SMART GRID <b>Volume:</b> 6 <b>Issue:</b> 3 <b>Pages:</b> 1323-1331 <b>Published:</b> MAY 2015	12	2.4
12	<b>Title:</b> Sectionalizing strategies for minimizing outage durations of critical loads in parallel power system restoration with bi-level programming <b>By:</b> Liu, Weijia; Lin, Zhenzhi; Wen, Fushuan; et al. <b>Source:</b> INTERNATIONAL JOURNAL OF ELECTRICAL POWER & ENERGY SYSTEMS <b>Volume:</b> 71 <b>Pages:</b> 327-334 <b>Published:</b> OCT 2015	11	2.2

13	<b>Title:</b> Uncertainties of EV Charging and Effects on Well-Being Analysis of Generating Systems <b>By:</b> Xu, N. Z.; Chung, C. Y. <b>Source:</b> IEEE TRANSACTIONS ON POWER SYSTEMS <b>Volume:</b> 30 <b>Issue:</b> 5 <b>Pages:</b> 2547-2557 <b>Published:</b> SEP 2015	9	1.8
14	<b>Title:</b> Online Damping Ratio Prediction Using Locally Weighted Linear Regression <b>By:</b> Zhang, Junbo; Chung, C. Y.; Han, Yingduo <b>Source:</b> IEEE TRANSACTIONS ON POWER SYSTEMS <b>Volume:</b> 31 <b>Issue:</b> 3 <b>Pages:</b> 1954-1962 <b>Published:</b> MAY 2016	8	2
15	<b>Title:</b> Power System Sensitivity Identification-Inherent System Properties and Data Quality <b>By:</b> Zhang, Junbo; Zheng, Xiangtian; Wang, Zejing; et al. <b>Source:</b> IEEE TRANSACTIONS ON POWER SYSTEMS <b>Volume:</b> 32 <b>Issue:</b> 4 <b>Pages:</b> 2756-2766 <b>Published:</b> JUL 2017	7	2.33
16	<b>Title:</b> Time Series Modeling for Dynamic Thermal Rating of Overhead <b>By:</b> Zhan, Junpeng; Chung, C. Y.; Demeter, Elemer <b>Source:</b> IEEE TRANSACTIONS ON POWER SYSTEMS <b>Volume:</b> 32 <b>Issue:</b> 3 <b>Pages:</b> 2172-2182 <b>Published:</b> MAY 2017	7	2.33
17	<b>Title:</b> An Analytic Model for Fault Diagnosis in Power Systems Utilizing Redundancy and Temporal Information of Alarm Messages <b>By:</b> Zhang, Yan; Chung, Chi Yung; Wen, Fushuan; et al. <b>Source:</b> IEEE TRANSACTIONS ON POWER SYSTEMS <b>Volume:</b> 31 <b>Issue:</b> 6 <b>Pages:</b> 4877-4886 <b>Published:</b> NOV 2016	7	1.75
18	<b>Title:</b> Synchrophasor measurement-based fault location technique for multi-terminal multi-section non-homogeneous transmission lines <b>By:</b> Wu, Ting; Chung, Chi-Yung; Kamwa, Innocent; et al. <b>Source:</b> IET GENERATION TRANSMISSION & DISTRIBUTION <b>Volume:</b> 10 <b>Issue:</b> 8 <b>Pages:</b> 1815-1824 <b>Published:</b> MAY 19 2016	6	1.5
19	<b>Title:</b> Online re-dispatching of power systems based on modal sensitivity identification <b>By:</b> Zhang, Junbo; Lu, Chao; Chung, Chi Yung; et al. <b>Source:</b> IET GENERATION TRANSMISSION & DISTRIBUTION <b>Volume:</b> 9 <b>Issue:</b> 12 <b>Pages:</b> 1352-1360 <b>Published:</b> SEP 4 2015	6	1.2
20	<b>Title:</b> Optimal torque control based on effective tracking range for maximum power point tracking of wind turbines under varying wind conditions <b>By:</b> Yin, Minghui; Li, Weijie; Chung, Chi Yung; et al. <b>Source:</b> IET RENEWABLE POWER GENERATION <b>Volume:</b> 11 <b>Issue:</b> 4 <b>Special Issue:</b> SI <b>Pages:</b> 501-510 <b>Published:</b> MAR 15 2017	5	1.67

21	<b>Title:</b> A Novel Decomposition-Based Localized Short-Term Tidal Current Speed and Direction Prediction Model <b>By:</b> Safari, Nima; Ansari, Osama Aslam; Zare, Alireza; et al. <b>Conference:</b> 2017 IEEE Power & Energy Society General Meeting <b>Location:</b> Chicago, IL <b>Date:</b> JUL 16-20, 2017 <b>Sponsor(s):</b> IEEE <b>Source:</b> 2017 IEEE POWER & ENERGY SOCIETY GENERAL MEETING <b>Book Series:</b> IEEE Power and Energy Society General Meeting PESGM <b>Published:</b> 2017	5	1.67
22	<b>Title:</b> Coordinated Supplementary Damping Control of DFIG and PSS to Suppress Inter-Area Oscillations With Optimally Controlled Plant Dynamics <b>By:</b> Zhang, Chen; Ke, Deping; Sun, Yuanzhang; et al. <b>Source:</b> IEEE TRANSACTIONS ON SUSTAINABLE ENERGY <b>Volume:</b> 9 <b>Issue:</b> 2 <b>Pages:</b> 780-791 <b>Published:</b> APR 2018	4	2
23	<b>Title:</b> A Fast Solution Method for Stochastic Transmission Expansion Planning <b>By:</b> Zhan, Junpeng; Chung, C. Y.; Zare, Alireza <b>Source:</b> IEEE TRANSACTIONS ON POWER SYSTEMS <b>Volume:</b> 32 <b>Issue:</b> 6 <b>Pages:</b> 4684-4695 <b>Published:</b> NOV 2017	4	1.33
24	<b>Title:</b> Inertia compensation scheme of WTS considering time delay for emulating large-inertia turbines <b>By:</b> Yin, Minghui; Li, Weijie; Chung, Chi Yung; et al. <b>Source:</b> IET RENEWABLE POWER GENERATION <b>Volume:</b> 11 <b>Issue:</b> 4 <b>Special Issue:</b> SI <b>Pages:</b> 529-538 <b>Published:</b> MAR 15 2017	4	1.33
25	<b>Title:</b> System State Estimation Considering EV Penetration With Unknown Behavior Using Quasi-Newton Method <b>By:</b> Nie, Yongquan; Chung, C. Y.; Xu, N. Z. <b>Source:</b> IEEE TRANSACTIONS ON POWER SYSTEMS <b>Volume:</b> 31 <b>Issue:</b> 6 <b>Pages:</b> 4605-4615 <b>Published:</b> NOV 2016	4	1
26	<b>Title:</b> Single-Stage Wireless-Power-Transfer Resonant Converter With Boost Bridgeless Power-Factor-Correction Rectifier <b>By:</b> Liu, Junwei; Chan, Ka Wing; Chung, Chi Yung; et al. <b>Source:</b> IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS <b>Volume:</b> 65 <b>Issue:</b> 3 <b>Pages:</b> 2145-2155 <b>Published:</b> MAR 2018	3	1.5
27	<b>Title:</b> Eigen-analysis of hydraulic-mechanical-electrical coupling mechanism for small signal stability of hydropower plant <b>By:</b> Yang, Weijia; Norrlund, Per; Chung, Chi Yung; et al. <b>Source:</b> RENEWABLE ENERGY <b>Volume:</b> 115 <b>Pages:</b> 1014-1025 <b>Published:</b> JAN 2018	3	1.5
28	<b>Title:</b> A Fast State Estimator for Systems Including Limited Number of PMUs <b>By:</b> Wu, Ting; Chung, C. Y.; Kamwa, Innocent <b>Source:</b> IEEE TRANSACTIONS ON POWER SYSTEMS <b>Volume:</b> 32 <b>Issue:</b> 6 <b>Pages:</b> 4329-4339 <b>Published:</b> NOV 2017	3	1

29	<b>Title:</b> Noise Effect and Noise-Assisted Ensemble Regression in Power System Online Sensitivity Identification <b>By:</b> Zhang, Junbo; Chung, C. Y.; Guan, Lin <b>Source:</b> IEEE TRANSACTIONS ON INDUSTRIAL INFORMATICS <b>Volume:</b> 13 <b>Issue:</b> 5 <b>Pages:</b> 2302-2310 <b>Published:</b> OCT 2017	3	1
30	<b>Title:</b> A Generalized Approach for Computing Most Sensitive Eigenvalues With Respect to System Parameter Changes in Large-Scale Power Systems <b>By:</b> Chung, C. Y.; Dai, Bo <b>Source:</b> IEEE TRANSACTIONS ON POWER SYSTEMS <b>Volume:</b> 31 <b>Issue:</b> 3 <b>Pages:</b> 2278-2288 <b>Published:</b> MAY 2016	3	0.75
31	<b>Title:</b> Instantaneous Electromechanical Dynamics Monitoring in Smart Transmission Grid <b>By:</b> Zhang, Junbo; Chung, C. Y.; Wang, Zejing; et al. <b>Source:</b> IEEE TRANSACTIONS ON INDUSTRIAL INFORMATICS <b>Volume:</b> 12 <b>Issue:</b> 2 <b>Pages:</b> 844-852 <b>Published:</b> APR 2016	3	0.75
32	<b>Title:</b> A Fuzzy Adaptive Probabilistic Wind Power Prediction Framework Using Diffusion Kernel Density Estimators <b>By:</b> Khorramdel, Benyamin; Chung, C. Y.; Safari, Nima; et al. <b>Source:</b> IEEE TRANSACTIONS ON POWER SYSTEMS <b>Volume:</b> 33 <b>Issue:</b> 6 <b>Pages:</b> 7109-7121 <b>Published:</b> NOV 2018	2	1
33	<b>Title:</b> Optimal Scheduling of Biogas-Solar-Wind Renewable Portfolio for Multicarrier Energy Supplies <b>By:</b> Zhou, Bin; Xu, Da; Li, Canbing; et al. <b>Source:</b> IEEE TRANSACTIONS ON POWER SYSTEMS <b>Volume:</b> 33 <b>Issue:</b> 6 <b>Pages:</b> 6229-6239 <b>Published:</b> NOV 2018	2	1
34	<b>Title:</b> A Distributionally Robust Chance-Constrained MILP Model for Multistage Distribution System Planning With Uncertain Renewables and Loads <b>By:</b> Zare, Alireza; Chung, C. Y.; Zhan, Junpeng; et al. <b>Source:</b> IEEE TRANSACTIONS ON POWER SYSTEMS <b>Volume:</b> 33 <b>Issue:</b> 5 <b>Pages:</b> 5248-5262 <b>Published:</b> SEP 2018	2	1
35	<b>Title:</b> Stochastic Transmission Expansion Planning Considering Uncertain Dynamic Thermal Rating of Overhead Lines <b>By:</b> Zhan, Junpeng; Liu, Weijia; Chung, C. Y. <b>Source:</b> IEEE TRANSACTIONS ON POWER SYSTEMS <b>Volume:</b> 34 <b>Issue:</b> 1 <b>Pages:</b> 432-443 <b>Published:</b> JAN 2019	1	1
36	<b>Title:</b> Power System Operational Adequacy Evaluation With Wind Power Ramp Limits <b>By:</b> Gong, Yuzhong; Chung, C. Y.; Mall, R. S. <b>Source:</b> IEEE TRANSACTIONS ON POWER SYSTEMS <b>Volume:</b> 33 <b>Issue:</b> 3 <b>Pages:</b> 2706-2716 <b>Published:</b> MAY 2018	1	0.5
37	<b>Title:</b> Application of Information Gap Decision Theory to the Design of Robust Wide-Area Power System Stabilizers Considering Uncertainties of Wind Power <b>By:</b> Ke, Deping; Shen, Feifan; Chung, C. Y.; et al. <b>Source:</b> IEEE TRANSACTIONS ON SUSTAINABLE ENERGY <b>Volume:</b> 9 <b>Issue:</b> 2 <b>Pages:</b> 805-817 <b>Published:</b> APR 2018	1	0.5

38	<b>Title:</b> Locally Weighted Ridge Regression for Power System Online Sensitivity Identification Considering Data Collinearity <b>By:</b> Zhang, Junbo; Wang, Zejing; Zheng, Xiangtian; et al. <b>Source:</b> IEEE TRANSACTIONS ON POWER SYSTEMS <b>Volume:</b> 33 <b>Issue:</b> 2 <b>Pages:</b> 1624-1634 <b>Published:</b> MAR 2018	1	0.5
39	<b>Title:</b> Enhancing Frequency Stability of Asynchronous Grids Interconnected with HVDC Links <b>By:</b> Wen, Yunfeng; Chung, C. Y.; Ye, Xi <b>Source:</b> IEEE TRANSACTIONS ON POWER SYSTEMS <b>Volume:</b> 33 <b>Issue:</b> 2 <b>Pages:</b> 1800-1810 <b>Published:</b> MAR 2018	1	0.5
40	<b>Title:</b> A Bi-Level Polyhedral-Based MILP Model for Expansion Planning of Active Distribution Networks Incorporating Distributed Generation <b>By:</b> Zare, Alireza; Chung, C. Y.; Safari, Nima; et al. <b>Conference:</b> IEEE-Power-and-Energy-Society General Meeting (PESGM) <b>Location:</b> Portland, OR <b>Date:</b> AUG 05-10, 2018 <b>Sponsor(s):</b> IEEE Power & Energy Soc <b>Source:</b> 2018 IEEE POWER & ENERGY SOCIETY GENERAL MEETING (PESGM) <b>Book Series:</b> IEEE Power and Energy Society General Meeting PESGM <b>Published:</b> 2018	1	0.5
41	<b>Title:</b> A successive approximation approach for short-term cascaded hydro scheduling with variable water flow delay <b>By:</b> Ge, Xiaolin; Xia, Shu; Lee, Wei-Jen; et al. <b>Source:</b> ELECTRIC POWER SYSTEMS RESEARCH <b>Volume:</b> 154 <b>Pages:</b> 213-222 <b>Published:</b> JAN 2018	1	0.5
42	<b>Title:</b> A Simple Parameter Estimation Approach to Modeling of Photovoltaic Modules Based on Datasheet Values <b>By:</b> Feng, Xiangsai; Qing, Xiangyun; Chung, C. Y.; et al. <b>Source:</b> JOURNAL OF SOLAR ENERGY ENGINEERING-TRANSACTIONS OF THE ASME <b>Volume:</b> 138 <b>Issue:</b> 5 <b>Article Number:</b> 051010 <b>Published:</b> OCT 2016	1	0.25
43	<b>Title:</b> Switching-loss reduction technique in active power filters without auxiliary circuits <b>By:</b> Lam, Chi-Seng; Wong, Man-Chung; Dai, Ning-Yi; et al. <b>Source:</b> IET POWER ELECTRONICS <b>Volume:</b> 9 <b>Issue:</b> 4 <b>Pages:</b> 728-742 <b>Published:</b> MAR 30 2016	1	0.25
44	<b>Title:</b> Reliability Assessment of Microgrid with Renewable Generation and Prioritized Loads <b>By:</b> Ansari, Osama Aslam; Safari, Nima; Chung, C. Y. <b>Conference:</b> IEEE Green Energy and Systems Conference <b>Location:</b> Long Beach, CA <b>Date:</b> NOV 06-07, 2016 <b>Sponsor(s):</b> IEEE <b>Source:</b> 2016 IEEE GREEN ENERGY AND SYSTEMS CONFERENCE (IGSEC) <b>Published:</b> 2016	1	0.25
45	<b>Title:</b> Tidal Current and Level Uncertainty Prediction via Adaptive Linear Programming <b>By:</b> Safari, Nima; Mazhari, Seyed Mahdi; Khorramdel, Benyamin; et al. <b>Source:</b> IEEE TRANSACTIONS ON SUSTAINABLE ENERGY <b>Volume:</b> 10 <b>Issue:</b> 2 <b>Pages:</b> 748-758 <b>Published:</b> APR 2019	0	0



46	<b>Title:</b> Very Short-Term Wind Power Prediction Interval Framework via Bi-Level Optimization and Novel Convex Cost Function <b>By:</b> Safari, N.; Mazhari, S. M.; Chung, C. Y. <b>Source:</b> IEEE TRANSACTIONS ON POWER SYSTEMS <b>Volume:</b> 34 <b>Issue:</b> 2 <b>Pages:</b> 1289-1300 <b>Published:</b> MAR 2019	0	0
47	<b>Title:</b> Investigations of Large-Scale Voltage-Dependent Loads for Damping Inter-Area Oscillations: Mechanism and Robust Decentralized Control <b>By:</b> Zhang, Chen; Ke, Deping; Sun, Yuanzhang; et al. <b>Source:</b> IEEE TRANSACTIONS ON POWER SYSTEMS <b>Volume:</b> 33 <b>Issue:</b> 6 <b>Pages:</b> 6037-6048 <b>Published:</b> NOV 2018	0	0
48	<b>Title:</b> Frequency Stability Enhancement of Integrated AC/VSC-MTDC Systems With Massive Infeed of Offshore Wind Generation <b>By:</b> Wen, Yunfeng; Zhan, Junpeng; Chung, C. Y.; et al. <b>Source:</b> IEEE TRANSACTIONS ON POWER SYSTEMS <b>Volume:</b> 33 <b>Issue:</b> 5 <b>Pages:</b> 5135-5146 <b>Published:</b> SEP 2018	0	0
49	<b>Title:</b> A Hybrid Fault Cluster and Thevenin Equivalent Based Framework for Rotor Angle Stability Prediction <b>By:</b> Mazhari, Seyed Mahdi; Safari, Nima; Chung, C. Y.; et al. <b>Source:</b> IEEE TRANSACTIONS ON POWER SYSTEMS <b>Volume:</b> 33 <b>Issue:</b> 5 <b>Pages:</b> 5594-5603 <b>Published:</b> SEP 2018	0	0
50	<b>Title:</b> A Computationally Efficient Method to Design Probabilistically Robust Wide-Area PSSs for Damping Inter-Area Oscillations in Wind-Integrated Power Systems <b>By:</b> Zhou, Jingsen; Ke, Deping; Chung, C. Y.; et al. <b>Source:</b> IEEE TRANSACTIONS ON POWER SYSTEMS <b>Volume:</b> 33 <b>Issue:</b> 5 <b>Pages:</b> 5692-5703 <b>Published:</b> SEP 2018	0	0
51	<b>Title:</b> Hierarchical Interactive Risk Hedging of Multi-TSO Power Systems <b>By:</b> Wen, Yunfeng; Chung, C. Y.; Liu, Xuan <b>Source:</b> IEEE TRANSACTIONS ON POWER SYSTEMS <b>Volume:</b> 33 <b>Issue:</b> 3 <b>Pages:</b> 2962-2974 <b>Published:</b> MAY 2018	0	0
52	<b>Title:</b> A Hybrid Probabilistic Wind Power Prediction Based on An Improved Decomposition Technique and Kernel Density Estimation <b>By:</b> Khorramdel, B.; Azizi, M.; Safari, N.; et al. <b>Conference:</b> IEEE-Power-and-Energy-Society General Meeting (PESGM) <b>Location:</b> Portland, OR <b>Date:</b> AUG 05-10, 2018 <b>Sponsor(s):</b> IEEE Power & Energy Soc <b>Source:</b> 2018 IEEE POWER & ENERGY SOCIETY GENERAL MEETING (PESGM) <b>Book Series:</b> IEEE Power and Energy Society General Meeting PESGM <b>Published:</b> 2018	0	0
53	<b>Title:</b> A Nonparametric Probability Distribution Model for Short-Term Wind Power Prediction Error <b>By:</b> Khorramdel, B.; Khorramdel, H.; Zare, A.; et al. <b>Conference:</b> IEEE Canadian Conference on Electrical & Computer Engineering (CCECE) <b>Location:</b> Quebec, CANADA <b>Date:</b> MAY 13-16, 2018 <b>Source:</b> 2018 IEEE CANADIAN CONFERENCE ON ELECTRICAL & COMPUTER ENGINEERING (CCECE) <b>Book Series:</b> Canadian Conference on Electrical and Computer Engineering <b>Published:</b> 2018	0	0



54	<p><b>Title:</b> A Novel Unscented Transformation-Based Framework for Distribution Network Expansion Planning Considering Smart EV Parking Lots</p> <p><b>By:</b> Zare, Alireza; Chung, C. Y.; Khorramdel, Benyamin; et al.</p> <p><b>Conference:</b> IEEE Canadian Conference on Electrical &amp; Computer Engineering (CCECE) <b>Location:</b> Quebec, CANADA <b>Date:</b> MAY 13-16, 2018</p> <p><b>Source:</b> 2018 IEEE CANADIAN CONFERENCE ON ELECTRICAL &amp; COMPUTER ENGINEERING (CCECE) <b>Book Series:</b> Canadian Conference on Electrical and Computer Engineering <b>Published:</b> 2018</p>	0	0
55	<p><b>Title:</b> Submodule-Based Modeling and Simulation of a Series-Parallel Photovoltaic Array Under Mismatch Conditions</p> <p><b>By:</b> Qing, Xiangyun; Sun, Hao; Feng, Xiangsai; et al.</p> <p><b>Source:</b> IEEE JOURNAL OF PHOTOVOLTAICS <b>Volume:</b> 7 <b>Issue:</b> 6 <b>Pages:</b> 1731-1739 <b>Published:</b> NOV 2017</p>	0	0
56	<p><b>Title:</b> Available Capacity based AGC Signal Distribution Strategy with Energy Storage System</p> <p><b>By:</b> Gong, Yuzhong; Chung, C. Y.</p> <p><b>Conference:</b> 2017 IEEE Power &amp; Energy Society General Meeting <b>Location:</b> Chicago, IL <b>Date:</b> JUL 16-20, 2017 <b>Sponsor(s):</b> IEEE</p> <p><b>Source:</b> 2017 IEEE POWER &amp; ENERGY SOCIETY GENERAL MEETING <b>Book Series:</b> IEEE Power and Energy Society General Meeting PESGM <b>Published:</b> 2017</p>	0	0
57	<p><b>Title:</b> Reliability Evaluation of Bulk Power System Considering Compressed Air Energy Storage</p> <p><b>By:</b> Ansari, Osama Aslam; Bhattarai, Safal; Karki, Rajesh; et al.</p> <p><b>Conference:</b> IEEE Electrical Power and Energy Conference (EPEC) <b>Location:</b> Saskatoon, CANADA <b>Date:</b> OCT 22-25, 2017 <b>Sponsor(s):</b> IEEE</p> <p><b>Source:</b> 2017 IEEE ELECTRICAL POWER AND ENERGY CONFERENCE (EPEC) <b>Book Series:</b> IEEE Electrical Power and Energy Conference <b>Pages:</b> 231-236 <b>Published:</b> 2017</p>	0	0
58	<p><b>Title:</b> An Advanced Multistage Multi-Step Tidal Current Speed and Direction Prediction Model</p> <p><b>By:</b> Safari, Nima; Khorramdel, Benyamin; Zare, Alireza; et al.</p> <p><b>Conference:</b> IEEE Electrical Power and Energy Conference (EPEC) <b>Location:</b> Saskatoon, CANADA <b>Date:</b> OCT 22-25, 2017 <b>Sponsor(s):</b> IEEE</p> <p><b>Source:</b> 2017 IEEE ELECTRICAL POWER AND ENERGY CONFERENCE (EPEC) <b>Book Series:</b> IEEE Electrical Power and Energy Conference <b>Pages:</b> 591-596 <b>Published:</b> 2017</p>	0	0
59	<p><b>Title:</b> A Spatiotemporal Wind Power Prediction based on Wavelet Decomposition, Feature Selection, and Localized Prediction</p> <p><b>By:</b> Safari, N.; Chen, Y.; Khorramdel, B.; et al.</p> <p><b>Conference:</b> IEEE Electrical Power and Energy Conference (EPEC) <b>Location:</b> Saskatoon, CANADA <b>Date:</b> OCT 22-25, 2017 <b>Sponsor(s):</b> IEEE</p> <p><b>Source:</b> 2017 IEEE ELECTRICAL POWER AND ENERGY CONFERENCE (EPEC) <b>Book Series:</b> IEEE Electrical Power and Energy Conference <b>Pages:</b> 597-602 <b>Published:</b> 2017</p>	0	0

60	<b>Title:</b> Guest Editorial: Optimal Utilisation of Storage Systems in Transmission and Distribution Systems <b>By:</b> Chung, C. Y.; Wen, Fushuan; Ledwich, Gerard; et al. <b>Source:</b> IET GENERATION TRANSMISSION & DISTRIBUTION <b>Volume:</b> 10 <b>Issue:</b> 3 <b>Special Issue:</b> SI <b>Pages:</b> 563-565 <b>Published:</b> FEB 18 2016	0	0
61	<b>Title:</b> Model Predictive Control based on thermal dynamic building model in the demand-side management <b>By:</b> Mai, Weijie; Chung, C. Y. <b>Conference:</b> IEEE-Power-and-Energy-Society General Meeting (PESGM) <b>Location:</b> Boston, MA <b>Date:</b> JUL 17-21, 2016 <b>Sponsor(s):</b> IEEE Power & Energy Soc <b>Source:</b> 2016 IEEE POWER AND ENERGY SOCIETY GENERAL MEETING (PESGM) <b>Book Series:</b> IEEE Power and Energy Society General Meeting PESGM <b>Published:</b> 2016	0	0
62	<b>Title:</b> Instantaneous Sensitivity Identification in Power Systems - Challenges and Technique Roadmap <b>By:</b> Zhang, Junbo; Guan, Lin; Chung, C. Y. <b>Conference:</b> IEEE-Power-and-Energy-Society General Meeting (PESGM) <b>Location:</b> Boston, MA <b>Date:</b> JUL 17-21, 2016 <b>Sponsor(s):</b> IEEE Power & Energy Soc <b>Source:</b> 2016 IEEE POWER AND ENERGY SOCIETY GENERAL MEETING (PESGM) <b>Book Series:</b> IEEE Power and Energy Society General Meeting PESGM <b>Published:</b> 2016	0	0
63	<b>Title:</b> A Predictive Direct Power Control Technique for Transformerless Grid Connected PV Systems Application <b>By:</b> Safari, Nima; Ansari, Osama Aslam; Chung, C. Y. <b>Conference:</b> IEEE Electrical Power and Energy Conference (EPEC) <b>Location:</b> Ottawa, CANADA <b>Date:</b> OCT 12-14, 2016 <b>Sponsor(s):</b> IEEE <b>Source:</b> 2016 IEEE ELECTRICAL POWER AND ENERGY CONFERENCE (EPEC) <b>Book Series:</b> IEEE Electrical Power and Energy Conference <b>Published:</b> 2016	0	0
64	<b>Title:</b> A Comprehensive Framework for Unidirectional Vehicle-to-Grid Regulation Services <b>By:</b> Xu, N. Z.; Huang, Huazhang; Chung, C. Y. <b>Conference:</b> IEEE PES Asia-Pacific Power and Energy Engineering Conference (IEEE PES APPEEC) <b>Location:</b> IEEE Hong Kong Joint Chapter Power & Energy Ind Applicat Power Elect Ind E, Hong Kong, PEOPLES R CHINA <b>Date:</b> DEC 07-10, 2014 <b>Sponsor(s):</b> IEEE Power & Energy Soc; IEEE; CLP Power Hong Kong Ltd; Honghong Elect Co Ltd; Schneider Elect Ltd; Siemens; Mitsubishi Ltd; Jiangshu Shangshang Cable Grp Co Ltd; Wardson Ltd; Natl Sci Fdn; Off Naval Res; Dept Energy <b>Source:</b> 2014 IEEE PES ASIA-PACIFIC POWER AND ENERGY ENGINEERING CONFERENCE (IEEE PES APPEEC) <b>Book Series:</b> Asia-Pacific Power and Energy Engineering Conference <b>Published:</b> 2014	0	0