

# Xu Cheng

## List of Publications by Year in descending order

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30  
papers

500  
citations

687363

13  
h-index

713466

21  
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30  
all docs

30  
docs citations

30  
times ranked

366  
citing authors

#	ARTICLE	IF	CITATIONS
1	Partial discharge location in power transformers using wideband RF detection. IEEE Transactions on Dielectrics and Electrical Insulation, 2006, 13, 1193-1199.	2.9	88
2	Overexpression of Rosa rugosa anthocyanidin reductase enhances tobacco tolerance to abiotic stress through increased ROS scavenging and modulation of ABA signaling. Plant Science, 2016, 245, 35-49.	3.6	59
3	A Novel Densely Connected Convolutional Neural Network for Sea-State Estimation Using Ship Motion Data. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 5984-5993.	4.7	41
4	A Novel Deep Class-Imbalanced Semisupervised Model for Wind Turbine Blade Icing Detection. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 2558-2570.	11.3	29
5	Temporal Attention Convolutional Neural Network for Estimation of Icing Probability on Wind Turbine Blades. IEEE Transactions on Industrial Electronics, 2022, 69, 6371-6380.	7.9	27
6	Mechanically robust sodium alginate/cellulose nanofibers/polyethyleneimine composite aerogel for effective removal of hexavalent chromium and anionic dyes. Polymer Engineering and Science, 2022, 62, 1927-1940.	3.1	24
7	A Neural-Network-Based Sensitivity Analysis Approach for Data-Driven Modeling of Ship Motion. IEEE Journal of Oceanic Engineering, 2020, 45, 451-461.	3.8	21
8	A Multilevel Convolutional Recurrent Neural Network for Blade Icing Detection of Wind Turbine. IEEE Sensors Journal, 2021, 21, 20311-20323.	4.7	21
9	Wind turbine blade icing detection: a federated learning approach. Energy, 2022, 254, 124441.	8.8	19
10	An enzyme-mediated in situ hydrogel based on polyaspartamide derivatives for localized drug delivery and 3D scaffolds. RSC Advances, 2016, 6, 101334-101346.	3.6	18
11	Semantic Segmentation With Light Field Imaging and Convolutional Neural Networks. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-14.	4.7	18
12	Modeling and Analysis of Motion Data from Dynamically Positioned Vessels for Sea State Estimation. , 2019, , .		16
13	Online Fault Detection in Autonomous Ferries: Using Fault-type Independent Spectral Anomaly Detection. IEEE Transactions on Instrumentation and Measurement, 2020, , 1-1.	4.7	14
14	A Class-Imbalanced Heterogeneous Federated Learning Model for Detecting Icing on Wind Turbine Blades. IEEE Transactions on Industrial Informatics, 2022, 18, 8487-8497.	11.3	13
15	An Uncertainty-Aware Hybrid Approach for Sea State Estimation Using Ship Motion Responses. IEEE Transactions on Industrial Informatics, 2022, 18, 891-900.	11.3	12
16	A Blockchain-Empowered Cluster-Based Federated Learning Model for Blade Icing Estimation on IoT-Enabled Wind Turbine. IEEE Transactions on Industrial Informatics, 2022, 18, 9184-9195.	11.3	12
17	A Novel Channel and Temporal-Wise Attention in Convolutional Networks for Multivariate Time Series Classification. IEEE Access, 2020, 8, 212247-212257.	4.2	10
18	Intensive Flux Analysis in Concentrative Solar Power Applications Using Commercial Camera. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 501-508.	4.7	8

#	ARTICLE	IF	CITATIONS
19	Data-Driven Modeling for Transferable Sea State Estimation Between Marine Systems. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 2561-2571.	8.0	8
20	A novel DOPO $\epsilon$ -containing HTBN endowing waterborne polyurethane with excellent flame retardance and mechanical properties. Journal of Applied Polymer Science, 2020, 137, 49368.	2.6	7
21	Automatic Fault Detection for Marine Diesel Engine Degradation in Autonomous Ferry Crossing Operation. , 2019, , .		6
22	Preparation and performance of waterborne polyurethane coatings based on the synergistic flame retardant of ferrocene, phosphorus and nitrogen. Journal of Applied Polymer Science, 2021, 138, 51331.	2.6	6
23	Highly stretchable polyurethane coating based on functionalized cerium oxide nanoparticles for anti $\epsilon$ -corrosive/UV protection. Journal of Applied Polymer Science, 2022, 139, 51927.	2.6	6
24	An Enhanced Lightweight Convolutional Neural Network for Ship Detection in Maritime Surveillance System. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 5811-5825.	4.9	5
25	Dynamic Temporal $\epsilon$ -Spatial Regularization-Based Channel Weight Correlation Filter for Aerial Object Tracking. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	3
26	Visual Object Tracking Based on Light-Field Imaging in the Presence of Similar Distractors. IEEE Transactions on Industrial Informatics, 2023, 19, 2705-2716.	11.3	3
27	A statistical method of improving the resolution of time-delay of UHF signals for PD location in transformers. , 0, , .		2
28	Communities discovery in mobile call records. , 2010, , .		2
29	A Step-wise Feature Selection Scheme for a Prognostics and Health Management System in Autonomous Ferry Crossing Operation. , 2019, , .		2
30	A SVM-based Sensitivity Analysis Approach for Data-Driven Modeling of Ship Motion. , 2018, , .		0