

Xu Cheng

List of Publications by Year in descending order

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30
papers

500
citations

687363

13
h-index

713466

21
g-index

30
all docs

30
docs citations

30
times ranked

366
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Dynamic Temporal-Spatial Regularization-Based Channel Weight Correlation Filter for Aerial Object Tracking. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	3
4	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
5	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
6	Data-Driven Modeling for Transferable Sea State Estimation Between Marine Systems. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 2561-2571.	8.0	8
7	Highly stretchable polyurethane coating based on functionalized cerium oxide nanoparticles for anti-corrosive/UV protection. Journal of Applied Polymer Science, 2022, 139, 51927.	2.6	6
8	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
9	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
10	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
11	Wind turbine blade icing detection: a federated learning approach. Energy, 2022, 254, 124441.	8.8	19
12	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
13	Semantic Segmentation With Light Field Imaging and Convolutional Neural Networks. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-14.	4.7	18
14	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
15	A Multilevel Convolutional Recurrent Neural Network for Blade Icing Detection of Wind Turbine. IEEE Sensors Journal, 2021, 21, 20311-20323.	4.7	21
16	Intensive Flux Analysis in Concentrative Solar Power Applications Using Commercial Camera. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 501-508.	4.7	8
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	A novel DOPO ϵ -containing HTBN endowing waterborne polyurethane with excellent flame retardance and mechanical properties. <i>Journal of Applied Polymer Science</i> , 2020, 137, 49368.	2.6	7
20	A Novel Densely Connected Convolutional Neural Network for Sea-State Estimation Using Ship Motion Data. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2020, 69, 5984-5993.	4.7	41
21	A Novel Channel and Temporal-Wise Attention in Convolutional Networks for Multivariate Time Series Classification. <i>IEEE Access</i> , 2020, 8, 212247-212257.	4.2	10
22	Modeling and Analysis of Motion Data from Dynamically Positioned Vessels for Sea State Estimation. , 2019, , .		16
23	Automatic Fault Detection for Marine Diesel Engine Degradation in Autonomous Ferry Crossing Operation. , 2019, , .		6
24	A Step-wise Feature Selection Scheme for a Prognostics and Health Management System in Autonomous Ferry Crossing Operation. , 2019, , .		2
25	A SVM-based Sensitivity Analysis Approach for Data-Driven Modeling of Ship Motion. , 2018, , .		0
26	An enzyme-mediated in situ hydrogel based on polyaspartamide derivatives for localized drug delivery and 3D scaffolds. <i>RSC Advances</i> , 2016, 6, 101334-101346.	3.6	18
27	Overexpression of <i>Rosa rugosa</i> anthocyanidin reductase enhances tobacco tolerance to abiotic stress through increased ROS scavenging and modulation of ABA signaling. <i>Plant Science</i> , 2016, 245, 35-49.	3.6	59
28	Communities discovery in mobile call records. , 2010, , .		2
29	Partial discharge location in power transformers using wideband RF detection. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2006, 13, 1193-1199.	2.9	88
30	A statistical method of improving the resolution of time-delay of UHF signals for PD location in transformers. , 0, , .		2