

# Yong Cui

## List of Publications by Year in descending order

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34  
papers

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citations

759055

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752573

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34  
all docs

34  
docs citations

34  
times ranked

373  
citing authors

#	ARTICLE	IF	CITATIONS
1	Pedestrian Trajectory Prediction Based on Deep Convolutional LSTM Network. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 3285-3302.	4.7	68
2	Model, Design, and Testing of Field Mill Sensors for Measuring Electric Fields Under High-Voltage Direct-Current Power Lines. IEEE Transactions on Industrial Electronics, 2018, 65, 608-615.	5.2	62
3	Simulation of Pedestrian Rotation Dynamics Near Crowded Exits. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 3142-3155.	4.7	33
4	Measurement of Distorted Power-Frequency Electric Field With Integrated Optical Sensor. IEEE Transactions on Instrumentation and Measurement, 2019, 68, 1132-1139.	2.4	25
5	Nonintrusive Pressure Measurement With Capacitance Method Based on FLANN. IEEE Transactions on Instrumentation and Measurement, 2010, 59, 2914-2920.	2.4	24
6	Defect-Induced Gas Adsorption on Graphene Transistors. Advanced Materials Interfaces, 2018, 5, 1701640.	1.9	24
7	Recent advances in nanogenerators-based flexible electronics for electromechanical biomonitoring. Biosensors and Bioelectronics, 2021, 186, 113290.	5.3	23
8	Model, Design, and Testing of an Electret-Based Portable Transmitter for Low-Frequency Applications. IEEE Transactions on Antennas and Propagation, 2021, 69, 5305-5314.	3.1	20
9	Relative Localization in Wireless Sensor Networks for Measurement of Electric Fields under HVDC Transmission Lines. Sensors, 2015, 15, 3540-3564.	2.1	16
10	Multi-information-based convolutional neural network with attention mechanism for pedestrian trajectory prediction. Image and Vision Computing, 2021, 107, 104110.	2.7	16
11	Military Simulation Big Data: Background, State of the Art, and Challenges. Mathematical Problems in Engineering, 2015, 2015, 1-20.	0.6	13
12	Ground-level DC electric field sensor for overhead HVDC/HVAC transmission lines in hybrid corridors. IET Generation, Transmission and Distribution, 2020, 14, 4173-4178.	1.4	13
13	Development of a Wireless Sensor Network for Distributed Measurement of Total Electric Field under HVDC Transmission Lines. International Journal of Distributed Sensor Networks, 2014, 10, 850842.	1.3	12
14	A Method for the Indirect Detection of Audible Noise From High-Voltage Direct Current Transmission Lines. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 4358-4369.	2.4	11
15	Pedestrian behavior prediction model with a convolutional LSTM encoder-decoder. Physica A: Statistical Mechanics and Its Applications, 2020, 560, 125132.	1.2	10
16	A miniaturized mechanical antenna based on FEP/THV unipolar electrets for extremely low frequency transmission. Microsystems and Nanoengineering, 2022, 8, .	3.4	10
17	WSN-Based Measurement of Ion-Current Density Under High-Voltage Direct Current Transmission Lines. IEEE Access, 2019, 7, 10947-10955.	2.6	9
18	Received signal strength indication-based localisation method with unknown path-loss exponent for HVDC electric field measurement. High Voltage, 2017, 2, 261-266.	2.7	8

#	ARTICLE	IF	CITATIONS
19	Consistency Test of Ion-Flow Density Measurement System Using an Improved Gray Relational Analysis Method. IEEE Transactions on Electromagnetic Compatibility, 2019, 61, 1655-1662.	1.4	7
20	Energy management of WSN-based charge measurement system of ultra high-voltage direct-current transmission line. Wireless Networks, 2018, 24, 1667-1681.	2.0	6
21	Multi-block electret-based mechanical antenna model for low frequency communication. International Journal of Modeling, Simulation, and Scientific Computing, 2019, 10, 1950036.	0.9	5
22	Model and Design of a Novel Low-Frequency Magnetic Signal Transmitter Based on Rotating Electret. IEEE Transactions on Magnetics, 2021, 57, 1-7.	1.2	5
23	Finite Element Analysis and Design on Calibrating Device of Rotary Electric Field Sensor. , 2012, , .		4
24	Analysis of the relationship between DC component and spectral components of corona current on HVDC transmission lines. IET Generation, Transmission and Distribution, 2019, 13, 1952-1959.	1.4	4
25	Mechanically-Rotating Electret ULF/VLF Antenna Transmitter. , 2019, , .		4
26	Analysis of Distorted Electric Field Using ZigBee-Based Optical Measurement System. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 3442-3450.	2.4	2
27	An ISO/IEC/IEEE21451 Smart Sensor Network for Distributed Measurement of Pavement Structural Temperature. International Journal of Distributed Sensor Networks, 2016, 12, 3408489.	1.3	2
28	Control system design of automatic butt fusion welding machine for polyethylene pipe. , 2012, , .		0
29	Application of object-oriented Petri net (OOPN) model in fault rehearsal of aircraft independent electrical power system. , 2013, , .		0
30	Research on parallel and average current control strategy of active power filter. , 2013, , .		0
31	The Impact of Filed Mill on the DC Electric Field Calibration. , 2013, , .		0
32	Gait design of biped robot based on USBSSC32. , 2013, , .		0
33	AACF” Accessible Application-Centric Framework for the Internet of Things Backhauled Smart City Applications. IEEE Transactions on Network Science and Engineering, 2022, 9, 980-989.	4.1	0
34	Design of Spatial DC Total Electric Field Measurement System Based on Edge-Cloud Collaboration. , 2020, , .		0