

# Gao Shibin

## List of Publications by Year in descending order

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Adversarial Reconstruction Based on Tighter Oriented Localization for Catenary Insulator Defect Detection in High-Speed Railways. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 1109-1120.	8.0	27
2	Adaptive Deep Learning for High-Speed Railway Catenary Swivel Clevis Defects Detection. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 1299-1310.	8.0	9
3	Condition-Based Maintenance for Traction Power Supply Equipment Based on Partially Observable Markov Decision Process. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 175-189.	8.0	13
4	Assessment of the Current Collection Quality of Pantograph-Catenary With Contact Line Height Variability in Electric Railways. IEEE Transactions on Transportation Electrification, 2022, 8, 788-798.	7.8	10
5	A Survey on Automatic Inspections of Overhead Contact Lines by Computer Vision. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 10104-10125.	8.0	12
6	Assessment of Overloading Correlations Among Transmission Lines Under Load Redistribution Attacks. IEEE Transactions on Smart Grid, 2022, 13, 1570-1581.	9.0	7
7	Crosswind Effects on Current Collection Quality of Railway Pantograph-Catenary: A Case Study in Chengdu-Chongqing Passenger Special Line. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-13.	4.7	4
8	A Segmentation-Based Multitask Learning Approach for Isolating Switch State Recognition in High-Speed Railway Traction Substation. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 15922-15939.	8.0	8
9	A Novel Bilevel False Data Injection Attack Model Based on Pre- and Post-Dispatch. IEEE Transactions on Smart Grid, 2022, 13, 2487-2490.	9.0	3
10	Bilevel Model for Protection-Branch Measurements-Based Topology Attack Against DC and AC State Estimations. IEEE Systems Journal, 2022, 16, 5369-5379.	4.6	1
11	Fault diagnosis of high-speed train bogie based on LSTM neural network. Science China Information Sciences, 2021, 64, 1.	4.3	34
12	Experimental Investigation and Adaptability Analysis of Hybrid Traction Power Supply System Integrated With Photovoltaic Sources in AC-Fed Railways. IEEE Transactions on Transportation Electrification, 2021, 7, 1750-1764.	7.8	16
13	DefGAN: Defect Detection GANs With Latent Space Pitting for High-Speed Railway Insulator. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-10.	4.7	11
14	Onboard EPR Cable Aging Evaluation by Rectangular-SPP-CNN Based on LMMGS Processing Method. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-10.	4.7	8
15	Complex Network-Based Transmission Network Vulnerability Assessment Using Adjacent Graphs. IEEE Systems Journal, 2020, 14, 572-581.	4.6	19
16	Pre-Overload-Graph-Based Vulnerable Correlation Identification Under Load Redistribution Attacks. IEEE Transactions on Smart Grid, 2020, 11, 5216-5226.	9.0	16
17	Generalized Fault-Location Scheme for All-Parallel AT Electric Railway System. Energies, 2020, 13, 4081.	3.1	2
18	A Homogeneous Model for Estimating Eddy-Current Losses in Wound Core of Multilevel-Circle Section. IEEE Transactions on Transportation Electrification, 2020, 6, 752-761.	7.8	4

#	ARTICLE	IF	CITATIONS
19	A New Testing Method for the Diagnosis of Winding Faults in Transformer. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 9203-9214.	4.7	30
20	Sequential-Mining-Based Vulnerable Branches Identification for the Transmission Network Under Continuous Load Redistribution Attacks. IEEE Transactions on Smart Grid, 2020, 11, 5151-5160.	9.0	23
21	A Reactance-Based Fault Location Method for Overhead Lines of AC Electrified Railway. IEEE Transactions on Power Delivery, 2020, 35, 2558-2560.	4.3	13
22	Detection of Winding Faults Using Image Features and Binary Tree Support Vector Machine for Autotransformer. IEEE Transactions on Transportation Electrification, 2020, 6, 625-634.	7.8	17
23	Low Frequency Oscillation Traceability and Suppression in Railway Electrification Systems. IEEE Transactions on Industry Applications, 2019, 55, 7699-7711.	4.9	30
24	Novel Analytical Formulas for Eddy-Current Losses in Semicircle-Section Wound Core of Transformer. IEEE Transactions on Magnetics, 2019, 55, 1-12.	2.1	4
25	Homogenisation model for calculating multi-point grounding current of transformer core. IET Electric Power Applications, 2019, 13, 243-250.	1.8	10
26	Train-“Network Interactions and Stability Evaluation in High-Speed Railways”Part I: Phenomena and Modeling. IEEE Transactions on Power Electronics, 2018, 33, 4627-4642.	7.9	114
27	Overview of Harmonic and Resonance in Railway Electrification Systems. IEEE Transactions on Industry Applications, 2018, 54, 5227-5245.	4.9	116
28	Train-“Network Interactions and Stability Evaluation in High-Speed Railways”Part II: Influential Factors and Verifications. IEEE Transactions on Power Electronics, 2018, 33, 4643-4659.	7.9	60
29	A Practical Approach to Mitigate Low-Frequency Oscillation in Railway Electrification Systems. IEEE Transactions on Power Electronics, 2018, 33, 8198-8203.	7.9	20
30	Frequency Response Features of Axial Displacement Winding Faults in Autotransformers With Split Windings. IEEE Transactions on Power Delivery, 2018, 33, 1699-1706.	4.3	33
31	Harmonic Resonance Evaluation for Hub Traction Substation Consisting of Multiple High-Speed Railways. IEEE Transactions on Power Delivery, 2017, 32, 910-920.	4.3	42
32	Harmonic Resonance Assessment to Traction Power-Supply System Considering Train Model in China High-Speed Railway. IEEE Transactions on Power Delivery, 2014, 29, 1735-1743.	4.3	125
33	A Novel Technique to Distinguish between Transient and Permanent Faults Based on Signal Wavelet Singularity Detection. , 2009, , .		3
34	Study on integrated automation system of traction substation for express railway lines. , 0, , .		1