

# Gao Shibin

## List of Publications by Year in descending order

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times ranked

683  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Overview of Harmonic and Resonance in Railway Electrification Systems. IEEE Transactions on Industry Applications, 2018, 54, 5227-5245.	4.9	116
3	Trainâ€“Network Interactions and Stability Evaluation in High-Speed Railwaysâ€“Part I: Phenomena and Modeling. IEEE Transactions on Power Electronics, 2018, 33, 4627-4642.	7.9	114
4	Trainâ€“Network Interactions and Stability Evaluation in High-Speed Railwaysâ€“Part II: Influential Factors and Verifications. IEEE Transactions on Power Electronics, 2018, 33, 4643-4659.	7.9	60
5	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
6	Fault diagnosis of high-speed train bogie based on LSTM neural network. Science China Information Sciences, 2021, 64, 1.	4.3	34
7	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
8	Low Frequency Oscillation Traceability and Suppression in Railway Electrification Systems. IEEE Transactions on Industry Applications, 2019, 55, 7699-7711.	4.9	30
9	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
10	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
11	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
12	A Practical Approach to Mitigate Low-Frequency Oscillation in Railway Electrification Systems. IEEE Transactions on Power Electronics, 2018, 33, 8198-8203.	7.9	20
13	Complex Network-Based Transmission Network Vulnerability Assessment Using Adjacent Graphs. IEEE Systems Journal, 2020, 14, 572-581.	4.6	19
14	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
15	Pre-Overload-Graph-Based Vulnerable Correlation Identification Under Load Redistribution Attacks. IEEE Transactions on Smart Grid, 2020, 11, 5216-5226.	9.0	16
16	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
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	Homogenisation model for calculating multi-point grounding current of transformer core. IET Electric Power Applications, 2019, 13, 243-250.	1.8	10
22	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
23	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
24	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
25	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
26	Assessment of Overloading Correlations Among Transmission Lines Under Load Redistribution Attacks. IEEE Transactions on Smart Grid, 2022, 13, 1570-1581.	9.0	7
27	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
28	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
29	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
30	A Novel Technique to Distinguish between Transient and Permanent Faults Based on Signal Wavelet Singularity Detection. , 2009, , .		3
31	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
32	Generalized Fault-Location Scheme for All-Parallel AT Electric Railway System. Energies, 2020, 13, 4081.	3.1	2
33	Study on integrated automation system of traction substation for express railway lines. , 0, , .		1
34	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