# Xiaolan Yan

## List of Publications by Year
in descending order

| 16 papers | 114 citations | 1684188 5 h-index | 1588992 8 g-index |
|---|---|---|---|
| 16 all docs | 16 docs citations | 16 times ranked | 105 citing authors |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 1 | A Magnetostrictive Guided-Wave Nondestructive Testing Method With Multifrequency Excitation Pulse Signal. IEEE Transactions on Instrumentation and Measurement, 2014, 63, 3058-3066. | 4.7 | 35 |
| 2 | Quantitative method for detecting internal and surface defects in wire rope. NDT and E International, 2021, 119, 102405. | 3.7 | 21 |
| 3 | Determination of Natural Frequencies of Pipes Using White Noise for Magnetostrictive Longitudinal Guided-Wave Nondestructive Testing. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 2678-2685. | 4.7 | 13 |
| 4 | A long time low drift integrator with temperature control. Review of Scientific Instruments, 2016, 87, 105119. | 1.3 | 10 |
| 5 | Research on a high output current DC/DC converter with wide input voltage range for space applications. , 2016, , . | | 8 |
| 6 | Fast Quantitative Method to Detect the Cross-Sectional Loss of Wire Rope Defects. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-11. | 4.7 | 7 |
| 7 | Noncontact Magnetostrictive Torsional Guided Wave Sensors for Small-Diameter Pipes. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-9. | 4.7 | 6 |
| 8 | Increasing Detection Resolution of Wire Rope Metallic Cross-Sectional Area Damage Based on Magnetic Aggregation Structure. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 4487-4495. | 4.7 | 5 |
| 9 | Study of Magnetostrictive Guided Wave Detection of Defects in Steel Strip for Elevator Traction. , 2019, , . | | 3 |
| 10 | Design approach for coupled inductor filter in low-current-ripple input/output boost converter. , 2016, , . | | 2 |
| 11 | A simple control method of open-circuit voltage for the FPGA-based solar array simulator. , 2016, , . | | 2 |
| 12 | Position-sensorless for wire rope distance measurement and nondestructive testing. , 2017, , . | | 1 |
| 13 | Adaptive Charge-Compensation-Based Variable On-Time Control to Improve Input Current Distortion for CRM Boost PFC Converter. Energies, 2022, 15, 4021. | 3.1 | 1 |
| 14 | High-efficiency switch-linear-hybrid space solar array simulator with a simple thermal design method for linear power stage. , 2017, , . | | 0 |
| 15 | Optimization Study on Air Duct of Solar Array Simulator for Space Power. , 2019, , . | | 0 |
| 16 | Output open–circuit voltage control method with resistor–capacitor–diode dummy load branch for SSAS. IET Power Electronics, 2020, 13, 1013-1021. | 2.1 | 0 |