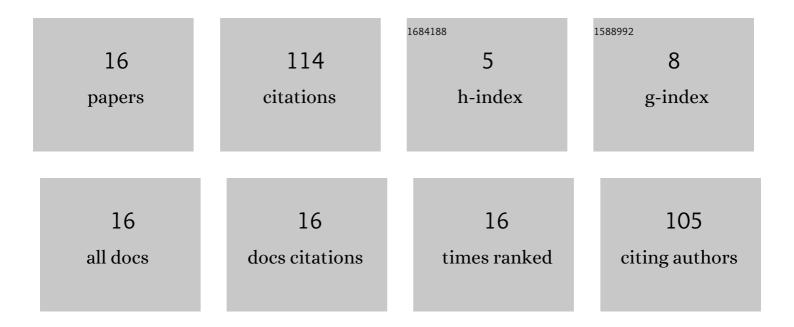
## Xiaolan Yan

List of Publications by Year in descending order

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Χιλοι ανι Υανι

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