# Hanwu Yang

List of Publications by Year
in descending order

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|---|---|---|---|
| 45 papers | 310 citations | 840776 11 h-index | 940533 16 g-index |
| 45 all docs | 45 docs citations | 45 times ranked | 168 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | MHz Repetition Frequency, Hundreds Kilowatt, and Sub-Nanosecond Agile Pulse Generation Based on Linear 4H-SiC Photoconductive Semiconductor. IEEE Transactions on Electron Devices, 2022, 69, 597-603. | 3.0 | 18 |
| 2 | A Repetitive Low Impedance High Power Microwave Driver. Electronics (Switzerland), 2022, 11, 784. | 3.1 | 2 |
| 3 | Wide-Range Frequency-Agile Microwave Generation up to 10 GHz Based on Vanadium-Compensated 4H-SiC Photoconductive Semiconductor Switch. IEEE Electron Device Letters, 2022, 43, 1013-1016. | 3.9 | 9 |
| 4 | The design of a high-voltage, long-pulse width, flat-top compensation pulse generator based on metal oxide varistors. Review of Scientific Instruments, 2022, 93, . | 1.3 | 1 |
| 5 | 4Hâ€SiC photoconductive semiconductor based ultraâ€wideband microwave generation with MHz tunable repetition rate. Electronics Letters, 2022, 58, 666-668. | 1.0 | 2 |
| 6 | A Scalable, General Purpose Circuit Model for Vanadium Compensated, Semi-Insulating, Vertical 6H-SiC PCSS. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 988-992. | 3.0 | 11 |
| 7 | A compact low impedance angular distribution Blumlein-type pulse forming network. Review of Scientific Instruments, 2021, 92, 024708. | 1.3 | 2 |
| 8 | Breakdown Behavior of GaAs PCSS with a Backside-Light-Triggered Coplanar Electrode Structure. Electronics (Switzerland), 2021, 10, 357. | 3.1 | 12 |
| 9 | The design of a low-inductance folding MOV structure for the generation of high voltage microsecond quasi-square pulses. , 2021, , . | | 0 |
| 10 | A new solid-state LC-Marx generator based on saturable pulse transformer. Review of Scientific Instruments, 2021, 92, 054712. | 1.3 | 1 |
| 11 | Effects of High-Field Velocity Saturation on the Performance of V-Doped 6H Silicon-Carbide Photoconductive Switches. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 4879-4886. | 5.4 | 11 |
| 12 | Investigation of an improved low-impedance meander pulse forming line based on glass ceramics. AIP Advances, 2021, 11, 105005. | 1.3 | 0 |
| 13 | A Method of Creating the High-Voltage Circuit Model of Metalâ€“Oxide Varistor for the Simulation of Square Pulse Forming. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 526-530. | 3.0 | 5 |
| 14 | Investigation of a novel solid-state dual meander pulse-forming line with 10 kV-class withstand voltage. AIP Advances, 2020, 10, . | 1.3 | 3 |
| 15 | Study of an angular distribution compact low impedance Blumlein-type pulse forming network. AIP Advances, 2020, 10, 125016. | 1.3 | 1 |
| 16 | Developments of Pulsed Electron Beam Sources for High-Power Microwave Applications. IEEE Access, 2020, 8, 101351-101358. | 4.2 | 12 |
| 17 | Development of a GW-Level Solid-State Long Pulse Generator. IEEE Transactions on Plasma Science, 2019, 47, 4512-4517. | 1.3 | 7 |
| 18 | Investigation on Dynamic Properties of Amorphous Magnetic Core Stimulated by Different Driving Voltages. IEEE Transactions on Plasma Science, 2019, 47, 4536-4540. | 1.3 | 3 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Initial Test of Optoelectronic High Power Microwave Generation From 6H-SiC Photoconductive Switch. IEEE Electron Device Letters, 2019, 40, 1167-1170. | 3.9 | 24 |
| 20 | The Test of a High-Power, Semi-Insulating, Linear-Mode, Vertical 6H-SiC PCSS. IEEE Transactions on Electron Devices, 2019, 66, 1837-1842. | 3.0 | 27 |
| 21 | Numerical simulation and experiment of pulsed switching of a ferromagnetic core. Review of Scientific Instruments, 2019, 90, 044701. | 1.3 | 1 |
| 22 | Investigation on a fast rise time high voltage pulse transformer. Review of Scientific Instruments, 2019, 90, 124704. | 1.3 | 11 |
| 23 | A High-Voltage Pulse Generator Based on PFN and Varistors. IEEE Transactions on Plasma Science, 2019, 47, 512-517. | 1.3 | 6 |
| 24 | A compact solid-state high voltage pulse generator. Review of Scientific Instruments, 2019, 90, 014704. | 1.3 | 5 |
| 25 | Investigation on Adjustable Magnetic Pulse Compressor in Power Supply System. IEEE Transactions on Power Electronics, 2019, 34, 1540-1547. | 7.9 | 19 |
| 26 | Compact intense electron-beam accelerators based on high energy density liquid pulse forming lines. Matter and Radiation at Extremes, 2018, 3, 278-292. | 3.9 | 16 |
| 27 | Preliminary study on pulse width adjustable pulse generator based on the magnetic switch and metal-oxide varistor. AIP Advances, 2018, 8, 115317. | 1.3 | 4 |
| 28 | Pulse width lengthening technique for compact pulsed power generator. , 2017, , . | | 0 |
| 29 | Polarity effect of streamer discharge in propylene carbonate under microsecond regime. , 2017, , . | | 0 |
| 30 | Development of a test platform for high voltage ceramic capacitors based on magnetic compression. , 2016, , . | | 1 |
| 31 | Experimental Demonstration of a Tunable Load-Limited Magnetically Insulated Transmission Line Oscillator. IEEE Transactions on Electron Devices, 2016, 63, 1307-1311. | 3.0 | 26 |
| 32 | Compact megavolt pulse transformer with inner magnetic core and conical secondary windings. , 2015, , . | | 1 |
| 33 | 3D simulation of effect on BJT with microwave pulses injected from base. , 2015, , . | | 0 |
| 34 | A High Vacuum, High Electric Field Pulsed Power Interface Based on a Ceramic Insulator. IEEE Transactions on Plasma Science, 2014, , 1-1. | 1.3 | 1 |
| 35 | Electric exploding wires triggering of magavolt gas spark gap switch. , 2014, , . | | 0 |
| 36 | Investigation on a High Power, Low Impedance, and Long Pulse Generator Based on Magnetic Switches. IEEE Transactions on Plasma Science, 2014, 42, 988-992. | 1.3 | 16 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Influence of different illumination profiles on the on-state resistances of silicon carbide photoconductive semiconductor switches. Review of Scientific Instruments, 2014, 85, 044703. | 1.3 | 7 |
| 38 | ICOPS/BEAMS 2014: 7.2 opening and closing switches electric exploding wire triggering of the megavolt gas spark gap switch. , 2014, , . | | 0 |
| 39 | A Four-Stage High-Voltage Transmission Line Pulse Transformer for Transforming a Quasi-Rectangular Pulse. IEEE Transactions on Plasma Science, 2013, 41, 585-589. | 1.3 | 6 |
| 40 | Note: A 3-stage stacked Blumlein using ceramic for energy storage. Review of Scientific Instruments, 2013, 84, 026104. | 1.3 | 4 |
| 41 | Breakdown characteristics of niobate glass-ceramic under pulsed condition. IEEE Transactions on Dielectrics and Electrical Insulation, 2013, 20, 275-280. | 2.9 | 8 |
| 42 | Investigation of insulating characteristics of pressurized gas spark gap switch. , 2013, , . | | 0 |
| 43 | A modularized pulse forming line using glass-ceramic slabs. Review of Scientific Instruments, 2012, 83, 084703. | 1.3 | 6 |
| 44 | Effects of vacuum pressures on the performance of a velvet cathode under repetitive high-current pulse discharges. Vacuum, 2010, 85, 322-326. | 3.5 | 10 |
| 45 | A ceramic radial insulation structure for a relativistic electron beam vacuum diode. Review of Scientific Instruments, 2008, 79, 063303. | 1.3 | 11 |