

# Qi-Ye Wen

## List of Publications by Year in descending order

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63  
papers

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citations

430754

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47  
g-index

63  
all docs

63  
docs citations

63  
times ranked

2348  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | High Dielectric Constant YIG Ferrites with Low Sintering Temperature. Journal of Materials Science: Materials in Electronics, 2022, 33, 4914-4923.  | 1.1 | 9         |
| 2  | Programmable Terahertz Metamaterials with Non-Volatile Memory. Laser and Photonics Reviews, 2022, 16, .   | 4.4 | 37        |
| 3  | Vacancy tuned coupling in terahertz metamaterial arrays. Optics Express, 2022, 30, 3645.  | 1.7 | 2         |
| 4  | Dual-band terahertz all-silicon metasurface with giant chirality for frequency-undifferentiated near-field imaging. Optics Express, 2022, 30, 14232.  | 1.7 | 5         |
| 5  | Evaluation of Zn-substituted La <sub>0.5</sub> Sr <sub>0.5</sub> CoO <sub>3</sub> ceramics as functional materials for thick-film resistors. Journal of the American Ceramic Society, 2022, 105, 2744-2753. | 1.9 | 2         |
| 6  | Ultra-Thin Terahertz Deflection Device Based on Laser Direct Writing Graphene Oxide Paper. Micromachines, 2022, 13, 686.  | 1.4 | 1         |
| 7  | Interface engineered germanium for infrared THz modulation. Optical Materials, 2021, 111, 110659.   | 1.7 | 6         |
| 8  | Risley-Prism-Based Dual-Circularly Polarized 2-D Beam Scanning Antenna With Flat Scanning Gain. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 2412-2416.  | 2.4 | 7         |
| 9  | All-optical spatial terahertz modulator with surface-textured and passivated silicon. Optics Express, 2021, 29, 8914.   | 1.7 | 9         |
| 10 | Reconfigurable terahertz rainbow deflector. Applied Physics Letters, 2021, 118, .   | 1.5 | 7         |
| 11 | Terahertz magneto-optical response of bismuth-gadolinium-substituted rare-earth garnet film. Optics Express, 2021, 29, 23540.   | 1.7 | 7         |
| 12 | Millimeter-Wave Frequency-Reconfigurable Metasurface Antenna Based on Vanadium Dioxide Films. IEEE Transactions on Antennas and Propagation, 2021, 69, 4359-4369.   | 3.1 | 17        |
| 13 | Substrate-Independent Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> MXene Waterborne Paint for Terahertz Absorption and Shielding. ACS Nano, 2021, 15, 13646-13652.   | 7.3 | 54        |
| 14 | In-situ growth of MAX phase coatings on carbonised wood and their terahertz shielding properties. Journal of Advanced Ceramics, 2021, 10, 1291-1298.  | 8.9 | 15        |
| 15 | Enhanced performance of a fast GaAs-based terahertz modulator via surface passivation. Photonics Research, 2021, 9, 2230.   | 3.4 | 4         |
| 16 | Broadband Terahertz Absorption and Shielding based on 2D materials. , 2021, , .   |     | 1         |
| 17 | Terahertz Two-dimensional Beam Scanning Antenna Based on Improved Planar Phase Shifting Surfaces. , 2021, , .   |     | 0         |
| 18 | Terahertz response of Bi-substituted rare-earth iron garnet. , 2021, , .  |     | 0         |

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|----|--|-----|-----------|
| 19 | Ultrafast All-Optical Terahertz Modulation with Sulfur-Passivated GaAs. , 2021, , .  |     | 0         |
| 20 | Photo-Excited Silicon-Based Spatial Terahertz Modulators. Terahertz Science & Technology, 2021, 14, 1-19.  | 0.5 | 0         |
| 21 | Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> MXene Sponge Composite as Broadband Terahertz Absorber. Advanced Optical Materials, 2020, 8, 2001120.  | 3.6 | 91        |
| 22 | High-Performance Photo-Induced Spatial Terahertz Modulator Based on Micropyramid Silicon Array. Advanced Materials Technologies, 2020, 5, 1901058.   | 3.0 | 21        |
| 23 | Mechanism and Optimization of a Graphene/Silicon Hybrid Diode Terahertz Modulator. ACS Applied Electronic Materials, 2020, 2, 1953-1959.   | 2.0 | 11        |
| 24 | Broadband electrically tunable VO <sub>2</sub> Metamaterial terahertz switch with suppressed reflection. Microwave and Optical Technology Letters, 2020, 62, 2782-2790.                                  | 0.9 | 14        |
| 25 | Terahertz faraday rotation of magneto-optical films enhanced by helical metasurface. Applied Physics Letters, 2020, 116, .   | 1.5 | 17        |
| 26 | Intelligent reflecting surface enhanced indoor terahertz communication systems. Nano Communication Networks, 2020, 24, 100284.   | 1.6 | 57        |
| 27 | An ultrathin MoSe <sub>2</sub> photodetector with near-perfect absorption. Nanotechnology, 2020, 31, 225201.   | 1.3 | 29        |
| 28 | An Optically Tunable THz Modulator Based on Nanostructures of Silicon Substrates. Sensors, 2020, 20, 2198.   | 2.1 | 1         |
| 29 | Terahertz magneto-optical effect of wafer-scale La: yttrium iron garnet single-crystal film with low loss and high permittivity. Optics Express, 2020, 28, 21062.  | 1.7 | 15        |
| 30 | Semiconductor terahertz spatial modulators with high modulation depth and resolution for imaging applications. Journal Physics D: Applied Physics, 2019, 52, 255303.                                     | 1.3 | 19        |
| 31 | Truncated octahedral bipyramidal TiO <sub>2</sub> /MXene Ti <sub>3</sub> C <sub>2</sub> hybrids with enhanced photocatalytic H <sub>2</sub> production activity. Nanoscale Advances, 2019, 1, 1812-1818. | 2.2 | 63        |
| 32 | Microstructured Silicon Based All-Optical Spatial Terahertz Modulator. , 2019, , .   |     | 0         |
| 33 | A Facile Method for Loading CeO <sub>2</sub> Nanoparticles on Anodic TiO <sub>2</sub> Nanotube Arrays. Nanoscale Research Letters, 2018, 13, 89.   | 3.1 | 8         |
| 34 | Terahertz Modulators Based on Silicon Nanotip Array. Advanced Optical Materials, 2018, 6, 1700620.   | 3.6 | 50        |
| 35 | Flexible terahertz modulators based on graphene FET with organic high-k dielectric layer. Materials Research Express, 2018, 5, 115607.   | 0.8 | 7         |
| 36 | Semiconductor terahertz modulator arrays: the size and edge effect. Optics Letters, 2018, 43, 3021.  | 1.7 | 10        |

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|----|---|------|-----------|
| 37 | Effect of Al <sub>2</sub> O <sub>3</sub> Buffer Layers on the Properties of Sputtered VO <sub>2</sub> Thin Films. Nano-Micro Letters, 2017, 9, 29.  | 14.4 | 14        |
| 38 | Magnetic properties of lithium zinc ferrites synthesized by microwave sintered method. AIP Advances, 2016, 6, 055936.   | 0.6  | 1         |
| 39 | Enhanced Optical Modulation Depth of Terahertz Waves by Self-Assembled Monolayer of Plasmonic Gold Nanoparticles. Advanced Optical Materials, 2016, 4, 1974-1980.                                       | 3.6  | 55        |
| 40 | Broadband diffusion of terahertz waves by multi-bit coding metasurfaces. Light: Science and Applications, 2015, 4, e324-e324.   | 7.7  | 461       |
| 41 | High-speed and broadband terahertz wave modulators based on large-area graphene field-effect transistors. Optics Letters, 2014, 39, 5649.   | 1.7  | 75        |
| 42 | Tuning the phase transitions of VO <sub>2</sub> thin films on silicon substrates using ultrathin Al <sub>2</sub> O <sub>3</sub> as buffer layers. Journal Physics D: Applied Physics, 2014, 47, 455304. | 1.3  | 31        |
| 43 | Electrically-driven metal-insulator transition of vanadium dioxide thin films in a metal-oxide-insulator-metal device structure. Materials Science in Semiconductor Processing, 2014, 27, 140-144.      | 1.9  | 20        |
| 44 | Graphene based All-Optical Spatial Terahertz Modulator. Scientific Reports, 2014, 4, 7409.  | 1.6  | 169       |
| 45 | Microstructure and Electromagnetic Properties of Microwave Sintered NiCuZn+CCTO Composites Materials for Application in LTCC Devices. IEEE Transactions on Magnetics, 2013, 49, 4204-4206.              | 1.2  | 1         |
| 46 | The absorption property of single crystal LuBiIG garnet film in terahertz band. Journal of Applied Physics, 2012, 111, 07A513.  | 1.1  | 4         |
| 47 | Improved TL-RLC model for terahertz circular split-ring resonators. Applied Physics A: Materials Science and Processing, 2010, 100, 461-466.  | 1.1  | 1         |
| 48 | Terahertz metamaterials with VO <sub>2</sub> cut-wires for thermal tunability. Applied Physics Letters, 2010, 97, .   | 1.5  | 268       |
| 49 | Effects of oxygen vacancies on the room-temperature ferromagnetism of Co-doped polycrystalline CeO <sub>2</sub> . Journal of Magnetism and Magnetic Materials, 2009, 321, 3110-3113.                    | 1.0  | 20        |
| 50 | The design of a terahertz metamaterial absorber basing on LTCC technology. , 2009, , .  |      | 0         |
| 51 | Dual band terahertz metamaterial absorber: Design, fabrication, and characterization. Applied Physics Letters, 2009, 95, .  | 1.5  | 465       |
| 52 | Room-temperature ferromagnetism in Co doped La <sub>2</sub> O <sub>3</sub> . Journal of Applied Physics, 2008, 103, 07D120.   | 1.1  | 10        |
| 53 | Room-temperature ferromagnetism in pure and Co doped CeO <sub>2</sub> powders. Journal of Physics Condensed Matter, 2007, 19, 246205.   | 0.7  | 86        |
| 54 | Theoretical and experimental investigation on giant magnetoresistive materials with amorphous ferromagnetic layer. Transactions of Nonferrous Metals Society of China, 2006, 16, s59-s62.               | 1.7  | 2         |

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|----|---|-----|-----------|
| 55 | Magnetoresistance and performance of amorphous-CoNbZr-Co-Cu-Co magnetic multilayers. Journal of Applied Physics, 2006, 99, 08T105.  | 1.1 | 0         |
| 56 | Theoretical model of giant magnetoresistive sandwiches with polycrystalline and amorphous ferromagnetic layer. Physics Letters, Section A: General, Atomic and Solid State Physics, 2006, 354, 232-235.                         | 0.9 | 0         |
| 57 | Magnetoresistance enhancement of amorphous CoNbZr-buffered magnetoresistive multilayers. Vacuum, 2006, 81, 317-320.   | 1.6 | 1         |
| 58 | Giant Magnetoresistance, Microstructure, and Application Characteristics of Amorphous CoNbZr-Based Pseudo-Spin Valves. IEEE Transactions on Magnetics, 2006, 42, 1634-1637.   | 1.2 | 2         |
| 59 | Microstructure and giant magnetoresistance behavior of amorphous CoNbZr based pseudo spin-valves with symmetric layer structures. Thin Solid Films, 2005, 492, 259-263.   | 0.8 | 2         |
| 60 | Magnetoresistance and microstructure evolution upon rapid thermal annealing of giant magnetoresistive Co/Cu/Co/CoNbZr multilayers. Vacuum, 2004, 75, 373-378.   | 1.6 | 2         |
| 61 | Enhancement of the magnetoresistance in rapid recurrent thermal annealed Co/Cu/Co/CoNbZr spin valve multilayers. Journal of Magnetism and Magnetic Materials, 2004, 282, 100-104.   | 1.0 | 9         |
| 62 | The structure and soft magnetic properties of rapid recurrent thermal annealing CoNbZr nanocrystalline alloys thin films. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2003, 103, 32-36. | 1.7 | 13        |
| 63 | Graphene Field-Effect Transistor for Terahertz Modulation. , 0, , .   |     | 2         |