

Qi-Ye Wen

List of Publications by Year in descending order

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63
papers

2,310
citations

430754

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47
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63
all docs

63
docs citations

63
times ranked

2348
citing authors

#	ARTICLE	IF	CITATIONS
1	Dual band terahertz metamaterial absorber: Design, fabrication, and characterization. Applied Physics Letters, 2009, 95, .	1.5	465
2	Broadband diffusion of terahertz waves by multi-bit coding metasurfaces. Light: Science and Applications, 2015, 4, e324-e324.	7.7	461
3	Terahertz metamaterials with VO ₂ cut-wires for thermal tunability. Applied Physics Letters, 2010, 97, .	1.5	268
4	Graphene based All-Optical Spatial Terahertz Modulator. Scientific Reports, 2014, 4, 7409.	1.6	169
5	Ti ₃ C ₂ T _x MXene Sponge Composite as Broadband Terahertz Absorber. Advanced Optical Materials, 2020, 8, 2001120.	3.6	91
6	Room-temperature ferromagnetism in pure and Co doped CeO ₂ powders. Journal of Physics Condensed Matter, 2007, 19, 246205.	0.7	86
7	High-speed and broadband terahertz wave modulators based on large-area graphene field-effect transistors. Optics Letters, 2014, 39, 5649.	1.7	75
8	Truncated octahedral bipyramidal TiO ₂ /MXene Ti ₃ C ₂ hybrids with enhanced photocatalytic H ₂ production activity. Nanoscale Advances, 2019, 1, 1812-1818.	2.2	63
9	Intelligent reflecting surface enhanced indoor terahertz communication systems. Nano Communication Networks, 2020, 24, 100284.	1.6	57
10	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
11	Substrate-Independent Ti ₃ C ₂ T _x MXene Waterborne Paint for Terahertz Absorption and Shielding. ACS Nano, 2021, 15, 13646-13652.	7.3	54
12	Terahertz Modulators Based on Silicon Nanotip Array. Advanced Optical Materials, 2018, 6, 1700620.	3.6	50
13	Programmable Terahertz Metamaterials with Non-Volatile Memory. Laser and Photonics Reviews, 2022, 16, .	4.4	37
14	Tuning the phase transitions of VO ₂ thin films on silicon substrates using ultrathin Al ₂ O ₃ as buffer layers. Journal Physics D: Applied Physics, 2014, 47, 455304.	1.3	31
15	An ultrathin MoSe ₂ photodetector with near-perfect absorption. Nanotechnology, 2020, 31, 225201.	1.3	29
16	High-Performance Photo-Induced Spatial Terahertz Modulator Based on Micropyramid Silicon Array. Advanced Materials Technologies, 2020, 5, 1901058.	3.0	21
17	Effects of oxygen vacancies on the room-temperature ferromagnetism of Co-doped polycrystalline CeO ₂ . Journal of Magnetism and Magnetic Materials, 2009, 321, 3110-3113.	1.0	20
18	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

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19	Semiconductor terahertz spatial modulators with high modulation depth and resolution for imaging applications. <i>Journal Physics D: Applied Physics</i> , 2019, 52, 255303.	1.3	19
20	Terahertz faraday rotation of magneto-optical films enhanced by helical metasurface. <i>Applied Physics Letters</i> , 2020, 116, .	1.5	17
21	Millimeter-Wave Frequency-Reconfigurable Metasurface Antenna Based on Vanadium Dioxide Films. <i>IEEE Transactions on Antennas and Propagation</i> , 2021, 69, 4359-4369.	3.1	17
22	In-situ growth of MAX phase coatings on carbonised wood and their terahertz shielding properties. <i>Journal of Advanced Ceramics</i> , 2021, 10, 1291-1298.	8.9	15
23	Terahertz magneto-optical effect of wafer-scale La: yttrium iron garnet single-crystal film with low loss and high permittivity. <i>Optics Express</i> , 2020, 28, 21062.	1.7	15
24	Effect of Al ₂ O ₃ Buffer Layers on the Properties of Sputtered VO ₂ Thin Films. <i>Nano-Micro Letters</i> , 2017, 9, 29.	14.4	14
25	Broadband electrically tunable VO ₂ Metamaterial terahertz switch with suppressed reflection. <i>Microwave and Optical Technology Letters</i> , 2020, 62, 2782-2790.	0.9	14
26	The structure and soft magnetic properties of rapid recurrent thermal annealing CoNbZr nanocrystalline alloys thin films. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2003, 103, 32-36.	1.7	13
27	Mechanism and Optimization of a Graphene/Silicon Hybrid Diode Terahertz Modulator. <i>ACS Applied Electronic Materials</i> , 2020, 2, 1953-1959.	2.0	11
28	Room-temperature ferromagnetism in Co doped La ₂ O ₃ . <i>Journal of Applied Physics</i> , 2008, 103, 07D120.	1.1	10
29	Semiconductor terahertz modulator arrays: the size and edge effect. <i>Optics Letters</i> , 2018, 43, 3021.	1.7	10
30	Enhancement of the magnetoresistance in rapid recurrent thermal annealed Co/Cu/Co/CoNbZr spin valve multilayers. <i>Journal of Magnetism and Magnetic Materials</i> , 2004, 282, 100-104.	1.0	9
31	All-optical spatial terahertz modulator with surface-textured and passivated silicon. <i>Optics Express</i> , 2021, 29, 8914.	1.7	9
32	High Dielectric Constant YIG Ferrites with Low Sintering Temperature. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 4914-4923.	1.1	9
33	A Facile Method for Loading CeO ₂ Nanoparticles on Anodic TiO ₂ Nanotube Arrays. <i>Nanoscale Research Letters</i> , 2018, 13, 89.	3.1	8
34	Flexible terahertz modulators based on graphene FET with organic high-k dielectric layer. <i>Materials Research Express</i> , 2018, 5, 115607.	0.8	7
35	Risley-Prism-Based Dual-Circularly Polarized 2-D Beam Scanning Antenna With Flat Scanning Gain. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2021, 20, 2412-2416.	2.4	7
36	Reconfigurable terahertz rainbow deflector. <i>Applied Physics Letters</i> , 2021, 118, .	1.5	7

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37	Terahertz magneto-optical response of bismuth-gadolinium-substituted rare-earth garnet film. Optics Express, 2021, 29, 23540.	1.7	7
38	Interface engineered germanium for infrared THz modulation. Optical Materials, 2021, 111, 110659.	1.7	6
39	Dual-band terahertz all-silicon metasurface with giant chirality for frequency-undifferentiated near-field imaging. Optics Express, 2022, 30, 14232.	1.7	5
40	The absorption property of single crystal LuBiIG garnet film in terahertz band. Journal of Applied Physics, 2012, 111, 07A513.	1.1	4
41	Enhanced performance of a fast GaAs-based terahertz modulator via surface passivation. Photonics Research, 2021, 9, 2230.	3.4	4
42	Magnetoresistance and microstructure evolution upon rapid thermal annealing of giant magnetoresistive Co/Cu/Co/CoNbZr multilayers. Vacuum, 2004, 75, 373-378.	1.6	2
43	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
44	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
45	Giant Magnetoresistance, Microstructure, and Application Characteristics of Amorphous CoNbZr-Based Pseudo-Spin Valves. IEEE Transactions on Magnetics, 2006, 42, 1634-1637.	1.2	2
46	Graphene Field-Effect Transistor for Terahertz Modulation. , 0, , .		2
47	Vacancy tuned coupling in terahertz metamaterial arrays. Optics Express, 2022, 30, 3645.	1.7	2
48	Evaluation of Zn ²⁺ -substituted La _{0.5} Sr _{0.5} CoO ₃ ceramics as functional materials for thick-film resistors. Journal of the American Ceramic Society, 2022, 105, 2744-2753.	1.9	2
49	Magnetoresistance enhancement of amorphous CoNbZr-buffered magnetoresistive multilayers. Vacuum, 2006, 81, 317-320.	1.6	1
50	Improved TL-RLC model for terahertz circular split-ring resonators. Applied Physics A: Materials Science and Processing, 2010, 100, 461-466.	1.1	1
51	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
52	Magnetic properties of lithium zinc ferrites synthesized by microwave sintered method. AIP Advances, 2016, 6, 055936.	0.6	1
53	An Optically Tunable THz Modulator Based on Nanostructures of Silicon Substrates. Sensors, 2020, 20, 2198.	2.1	1
54	Broadband Terahertz Absorption and Shielding based on 2D materials. , 2021, , .		1

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55	Ultra-Thin Terahertz Deflection Device Based on Laser Direct Writing Graphene Oxide Paper. <i>Micromachines</i> , 2022, 13, 686.	1.4	1
56	Magnetoresistance and performance of amorphous-CoNbZr ⁺ •Co ⁺ •Cu ⁺ •Co magnetic multilayers. <i>Journal of Applied Physics</i> , 2006, 99, 08T105.	1.1	0
57	Theoretical model of giant magnetoresistive sandwiches with polycrystalline and amorphous ferromagnetic layer. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2006, 354, 232-235.	0.9	0
58	The design of a terahertz metamaterial absorber basing on LTCC technology. , 2009, , .		0
59	Microstructured Silicon Based All-Optical Spatial Terahertz Modulator. , 2019, , .		0
60	Terahertz Two-dimensional Beam Scanning Antenna Based on Improved Planar Phase Shifting Surfaces. , 2021, , .		0
61	Terahertz response of Bi-substituted rare-earth iron garnet. , 2021, , .		0
62	Ultrafast All-Optical Terahertz Modulation with Sulfur-Passivated GaAs. , 2021, , .		0
63	Photo-Excited Silicon-Based Spatial Terahertz Modulators. <i>Terahertz Science & Technology</i> , 2021, 14, 1-19.	0.5	0