

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

64 papers	5,194 citations	32 h-index	70 g-index
70 ext. papers	6,252 ext. citations	3.7 avg, IF	5.41 L-index

#	Paper	IF	Citations
64	. <i>IEEE Antennas and Propagation Magazine</i> , 2012 , 54, 10-35	1.7	1097
63	Experimental demonstration of frequency-agile terahertz metamaterials. <i>Nature Photonics</i> , 2008 , 2, 295-298	3.9	620
62	Thin-film sensing with planar terahertz metamaterials: sensitivity and limitations. <i>Optics Express</i> , 2008 , 16, 1786-95	3.3	372
61	Antireflection coating using metamaterials and identification of its mechanism. <i>Physical Review Letters</i> , 2010 , 105, 073901	7.4	249
60	Complementary planar terahertz metamaterials. <i>Optics Express</i> , 2007 , 15, 1084-95	3.3	247
59	A discussion on the interpretation and characterization of metafilms/metasurfaces: The two-dimensional equivalent of metamaterials. <i>Metamaterials</i> , 2009 , 3, 100-112		221
58	Tuning the resonance in high-temperature superconducting terahertz metamaterials. <i>Physical Review Letters</i> , 2010 , 105, 247402	7.4	188
57	Terahertz chiral metamaterials with giant and dynamically tunable optical activity. <i>Physical Review B</i> , 2012 , 86,	3.3	178
56	Perfect subwavelength fishnetlike metamaterial-based film terahertz absorbers. <i>Physical Review B</i> , 2010 , 82,	3.3	152
55	A Review on Thin-film Sensing with Terahertz Waves. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2012 , 33, 245-291	2.2	133
54	Manipulation of terahertz radiation using metamaterials. <i>Laser and Photonics Reviews</i> , 2011 , 5, 513-533	8.3	112
53	Independently tunable dual-band perfect absorber based on graphene at mid-infrared frequencies. <i>Scientific Reports</i> , 2015 , 5, 18463	4.9	108
52	Hybrid metamaterials enable fast electrical modulation of freely propagating terahertz waves. <i>Applied Physics Letters</i> , 2008 , 93, 091117	3.4	105
51	Electronic control of extraordinary terahertz transmission through subwavelength metal hole arrays. <i>Optics Express</i> , 2008 , 16, 7641-8	3.3	97
50	Optically thin terahertz metamaterials. <i>Optics Express</i> , 2008 , 16, 6537-43	3.3	87
49	Characterization and analysis of terahertz metamaterials based on rectangular split-ring resonators. <i>Applied Physics Letters</i> , 2008 , 92, 011119	3.4	82
48	Effect of metal permittivity on resonant properties of terahertz metamaterials. <i>Optics Letters</i> , 2008 , 33, 1506-8	3	74

47	Enhanced terahertz detection via ErAs:GaAs nanoisland superlattices. <i>Applied Physics Letters</i> , 2006 , 88, 251119	3-4	74
46	Metamaterials for THz polarimetric devices. <i>Optics Express</i> , 2009 , 17, 773-83	3-3	73
45	Dynamically reconfigurable terahertz metamaterial through photo-doped semiconductor. <i>Applied Physics Letters</i> , 2011 , 99, 231101	3-4	68
44	Terahertz surface plasmon polariton coupling on metallic gratings. <i>Optics Express</i> , 2004 , 12, 6397-402	3-3	55
43	Tailored resonator coupling for modifying the terahertz metamaterial response. <i>Optics Express</i> , 2011 , 19, 10679-85	3-3	53
42	Prism coupling to terahertz surface plasmon polaritons. <i>Optics Express</i> , 2005 , 13, 6117-26	3-3	48
41	Limitation in thin-film sensing with transmission-mode terahertz time-domain spectroscopy. <i>Optics Express</i> , 2014 , 22, 972-86	3-3	45
40	Ultrafast optical control of terahertz surface plasmons in subwavelength hole arrays at room temperature. <i>Applied Physics Letters</i> , 2009 , 95, 011105	3-4	45
39	A broadband planar terahertz metamaterial with nested structure. <i>Optics Express</i> , 2011 , 19, 15817-23	3-3	44
38	Active metasurface terahertz deflector with phase discontinuities. <i>Optics Express</i> , 2015 , 23, 27152-8	3-3	41
37	Quasi-optic synthetic phased-array terahertz imaging. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2004 , 21, 1178	1-7	41
36	A Perspective on Terahertz Next-Generation Wireless Communications. <i>Technologies</i> , 2019 , 7, 43	2-4	40
35	An active hybrid plasmonic metamaterial. <i>Optical Materials Express</i> , 2012 , 2, 31	2-6	37
34	Large-area metamaterials on thin membranes for multilayer and curved applications at terahertz and higher frequencies. <i>Applied Physics Letters</i> , 2009 , 94, 161113	3-4	37
33	Resonance tuning behavior in closely spaced inhomogeneous bilayer metamaterials. <i>Applied Physics Letters</i> , 2011 , 98, 131105	3-4	34
32	Carrier dynamics in InGaAs with embedded ErAs nanoislands. <i>Applied Physics Letters</i> , 2008 , 93, 121108	3-4	29
31	A review of terahertz plasmonics in subwavelength holes on conducting films. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2013 , 19, 8400416-8400416	3-8	24
30	Properties of Planar Electric Metamaterials for Novel TeraHertz Applications. <i>Journal of Nanoelectronics and Optoelectronics</i> , 2007 , 2, 90-95	1-3	24

29	Broadband tunable terahertz cross-polarization converter based on Dirac semimetals. <i>Applied Physics Express</i> , 2019 , 12, 075003	2.4	23
28	Quasi-optic terahertz imaging. <i>Optics Letters</i> , 2001 , 26, 1918-20	3	23
27	Synthetic phased-array terahertz imaging. <i>Optics Letters</i> , 2002 , 27, 1070-2	3	22
26	Controllable broadband asymmetric transmission of terahertz wave based on Dirac semimetals. <i>Optics Express</i> , 2019 , 27, 35784-35796	3.3	21
25	Orthogonally twisted planar concentric split ring resonators towards strong near field coupled terahertz metamaterials. <i>Applied Physics Letters</i> , 2014 , 104, 101105	3.4	20
24	Tailoring terahertz plasmons with silver nanorod arrays. <i>Scientific Reports</i> , 2013 , 3,	4.9	19
23	Comment on the Veracity of the ITU-R Recommendation for Atmospheric Attenuation at Terahertz Frequencies. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2018 , 8, 372-375	3.4	14
22	Polarization orientation dependence of the far infrared spectra of oriented single crystals of 1,3,5-trinitro-S-triazine (RDX) using terahertz time-domain spectroscopy. <i>Analytical and Bioanalytical Chemistry</i> , 2009 , 395, 315-22	4.4	14
21	Large dynamic resonance transition between surface plasmon and localized surface plasmon modes. <i>Optics Express</i> , 2010 , 18, 12482-8	3.3	13
20	All-Dielectric Meta-lens Designed for Photoconductive Terahertz Antennas. <i>IEEE Photonics Journal</i> , 2017 , 9, 1-9	1.8	11
19	Orientation dependent far-infrared terahertz absorptions in single crystal pentaerythritol tetranitrate (PETN) using terahertz time-domain spectroscopy. <i>Journal of Physical Chemistry A</i> , 2011 , 115, 439-42	2.8	11
18	An approach for mechanically tunable, dynamic terahertz bandstop filters. <i>Applied Physics A: Materials Science and Processing</i> , 2012 , 107, 285-291	2.6	10
17	Modal analysis method to describe weak nonlinear effects in metamaterials. <i>Physical Review B</i> , 2012 , 85,	3.3	10
16	Remote NO gas sensing by enhanced 910-m propagation of THz pulses. <i>Optics Express</i> , 2019 , 27, 27514-27522	3.5	7
15	Compensating Atmospheric Channel Dispersion for Terahertz Wireless Communication. <i>Scientific Reports</i> , 2020 , 10, 5816	4.9	6
14	A method to determine effective metamaterial properties based on stratified metafilms. <i>European Physical Journal D</i> , 2010 , 58, 243-247	1.3	5
13	Gesture Recognition Using Reflected Visible and Infrared Lightwave Signals. <i>IEEE Transactions on Human-Machine Systems</i> , 2021 , 51, 44-55	4.1	5
12	Plasmon Resonances in Nanohemisphere Monolayers. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 23599-23608	3.6	4

11	Active terahertz metamaterials. <i>Optics and Spectroscopy (English Translation of Optika i Spektroskopiya)</i> , 2010 , 108, 834-840	0.7	4
10	Modeling of active and passive nonlinear metamaterials. <i>Metamaterials</i> , 2012 , 6, 8-26		3
9	Emulating UAV Motion by Utilizing Robotic Arm for mmWave Wireless Channel Characterization. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 1-1	4.9	3
8	Electromagnetic Response of Finite Terahertz Metafilm Arrays Excited on Total Internal Reflection Boundaries. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2013 , 3, 709-720	3.4	2
7	Direct observation of electro-optic modulation in a single split-ring resonator. <i>Applied Physics Letters</i> , 2013 , 102, 091109	3.4	2
6	Towards Non-Contact Glucose Sensing in Aqueous Turbid Medium at ~1.1 Meters Distance. <i>IEEE Photonics Journal</i> , 2020 , 12, 1-23	1.8	2
5	Split-Ring Resonator Enhanced Terahertz Antenna 2007 ,		1
4	TV White Space Based Wireless Broadband Internet Connectivity: A Case Study With Implementation Details and Performance Analysis. <i>IEEE Open Journal of the Communications Society</i> , 2021 , 1-1	6.7	1
3	A Do-It-Yourself (DIY) Light Wave Sensing and Communication Project: Low-Cost, Portable, Effective, and Fun. <i>IEEE Transactions on Education</i> , 2021 , 64, 205-212	2.1	1
2	Fundamental Performance Limits on Terahertz Wireless Links Imposed by Group Velocity Dispersion. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2021 , 1-1	3.4	0
1	Dispersion from Diffuse Reflectors and its Effect on Terahertz Wireless Communication Performance. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2021 , 1-1	3.4	0