

Xiaoyong He

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

1,628
citations

304701

22
h-index

361001

35
g-index

42
all docs

42
docs citations

42
times ranked

1134
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigation of terahertz high Q-factor of all-dielectric metamaterials. Optics and Laser Technology, 2022, 146, 107570.	4.6	83
2	Tunable terahertz Dirac-semimetal hybrid plasmonic waveguides. Optical Materials Express, 2022, 12, 73.	3.0	29
3	3D Dirac Semimetal Supported Tunable TE Modes. Annalen Der Physik, 2022, 534, 2100355.	2.4	39
4	3D Dirac semimetals-dielectric elliptical fiber supported tunable terahertz hybrid waveguide. Applied Optics, 2022, 61, 6152.	1.8	0
5	Tunable 3D Dirac-semimetals supported mid-IR hybrid plasmonic waveguides. Optics Letters, 2021, 46, 472.	3.3	66
6	Investigation of tunable Fano resonances based on the InSb metamaterials. Modern Physics Letters B, 2021, 35, 2150244.	1.9	4
7	Tunable terahertz Dirac semimetal metamaterials. Journal Physics D: Applied Physics, 2021, 54, 235103.	2.8	69
8	A Robust Equivalent Circuit Model for Magnetic Polaritons in SiC Grooves. Plasmonics, 2021, 16, 2147.	3.4	0
9	Graphene-supported tunable bidirectional terahertz metamaterials absorbers. Applied Optics, 2021, 60, 6520.	1.8	5
10	Quasi-bound states in the continuum in metal complementary periodic cross-shaped resonators at terahertz frequencies. Optics Letters, 2021, 46, 4370.	3.3	21
11	Investigation of strontium titanate spherical shell supported terahertz all-dielectric metamaterials. Journal of the Optical Society of America B: Optical Physics, 2021, 38, 3466.	2.1	0
12	Investigation of Phonon Scattering on the Tunable Mechanisms of Terahertz Graphene Metamaterials. Nanomaterials, 2020, 10, 39.	4.1	48
13	Investigation of graphene supported terahertz elliptical metamaterials. Physica E: Low-Dimensional Systems and Nanostructures, 2020, 124, 114309.	2.7	112
14	Tunable strontium titanate terahertz all-dielectric metamaterials. Journal Physics D: Applied Physics, 2020, 53, 155105.	2.8	42
15	Direct detection of melamine in infant formula milk powder solution based on SERS effect of silver film over nanospheres. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 223, 117269.	3.9	19
16	Tunable terahertz hybrid graphene-metal patterns metamaterials. Optics and Laser Technology, 2019, 114, 28-34.	4.6	48
17	Investigation of terahertz all-dielectric metamaterials. Optics Express, 2019, 27, 13831.	3.4	52
18	Study of Terahertz High Q-factor All-Dielectric Metamaterials. , 2019, , .		0

#	ARTICLE	IF	CITATIONS
19	Tunable MoS ₂ modified hybrid surface plasmon waveguides. Nanotechnology, 2019, 30, 125201.	2.6	25
20	Flexible properties of THz graphene bowtie metamaterials structures. Optical Materials Express, 2019, 9, 44.	3.0	22
21	Tunable high Q-factor terahertz complementary graphene metamaterial. Nanotechnology, 2018, 29, 485205.	2.6	19
22	Graphene patterns supported terahertz tunable plasmon induced transparency. Optics Express, 2018, 26, 9931.	3.4	74
23	Investigation of graphene-supported tunable asymmetric terahertz metamaterials. Journal of the Optical Society of America B: Optical Physics, 2018, 35, 575.	2.1	15
24	Effect of La/Cr codoping on structural transformation, leakage, dielectric and magnetic properties of BiFeO ₃ ceramics. Journal of Materials Science, 2017, 52, 7118-7129.	3.7	44
25	Excellent Passivation of Silicon Surfaces by Thin Films of Electron-Beam-Processed Titanium Dioxide. IEEE Journal of Photovoltaics, 2017, 7, 1551-1555.	2.5	24
26	The Influence of Element Deformation on Terahertz Mode Interaction in Split-Ring Resonator-Based Meta-Atoms. Plasmonics, 2017, 12, 1391-1398.	3.4	2
27	Graphene patterns supported tunable terahertz fano resonance. , 2017, , .		0
28	Investigation of graphene assisted tunable terahertz metamaterials absorber. Optical Materials Express, 2016, 6, 331.	3.0	106
29	A further comparison of graphene and thin metal layers for plasmonics. Nanoscale, 2016, 8, 10388-10397.	5.6	115
30	Improved ferromagnetic behavior and novel near-infrared photoluminescence in Mg/Mn-codoped CuCrO ₂ ceramics. Journal of Materials Science, 2016, 51, 7491-7501.	3.7	13
31	Terahertz tunable graphene Fano resonance. Nanotechnology, 2016, 27, 485202.	2.6	48
32	Investigation of the tunable properties of graphene complementary terahertz metamaterials. RSC Advances, 2015, 5, 11818-11824.	3.6	12
33	Graphene-supported tunable near-IR metamaterials. Optics Letters, 2015, 40, 178.	3.3	95
34	Tunable terahertz graphene metamaterials. Carbon, 2015, 82, 229-237.	10.3	293
35	Graphene-supported tunable extraordinary transmission. Nanotechnology, 2014, 25, 325201.	2.6	41
36	Influence of skin depth on the transmission properties of arrays of metallic subwavelength holes in the visible spectral. Optik, 2011, 122, 1997-2000.	2.9	1

#	ARTICLE	IF	CITATIONS
37	Investigation of terahertz waves through semiconductor subwavelength slits with dielectric coating layers. <i>Physica Status Solidi (B): Basic Research</i> , 2011, 248, 2916-2920.	1.5	0
38	Comparison of the reflection properties of a metal wire in the visible spectral and terahertz regime. <i>Journal Physics D: Applied Physics</i> , 2011, 44, 075401.	2.8	8
39	Simulation investigation on waveguide properties of terahertz wave through subwavelength semiconductor gap. <i>Optik</i> , 2010, 121, 604-608.	2.9	7
40	Investigation of terahertz surface waves of a metallic nanowire. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2010, 27, 2298.	2.1	23