Tingting Liu

List of Publications by Year
in descending order

34 papers	1,654 citations	516215 16 h-index	377514 34 g-index
35 all docs	35 docs citations	35 times ranked	935 citing authors

#	Article	IF	Citations
1	Active modulation of electromagnetically induced transparency analogue in terahertz hybrid metal-graphene metamaterials. Carbon, 2018, 126, 271-278.	5.4	382
2	Active metamaterials and metadevices: a review. Journal Physics D: Applied Physics, 2020, 53, 503002.	1.3	261
3	Symmetry-protected bound states in the continuum supported by all-dielectric metasurfaces. Physical Review A, 2019, 100, .	1.0	205
4	Controlling light absorption of graphene at critical coupling through magnetic dipole quasi-bound states in the continuum resonance. Physical Review B, 2020, 102, .	1.1	135
5	Tailoring the absorption bandwidth of graphene at critical coupling. Physical Review B, 2020, 102, .	1.1	85
6	Tunable Anisotropic Absorption in Hyperbolic Metamaterials Based on Black Phosphorous/Dielectric Multilayer Structures. Journal of Lightwave Technology, 2019, 37, 3290-3297.	2.7	76
7	Polarization-controlled dynamically switchable high-harmonic generation from all-dielectric metasurfaces governed by dual bound states in the continuum. Physical Review B, 2022, 105, .	1.1	65
8	Dynamically controllable plasmon induced transparency based on hybrid metal-graphene metamaterials. Scientific Reports, 2017, 7, 13917.	1.6	49
9	Independently tunable dual-spectral electromagnetically induced transparency in a terahertz metalâ€“graphene metamaterial. Journal Physics D: Applied Physics, 2018, 51, 415105.	1.3	49
10	Black phosphorus-based anisotropic absorption structure in the mid-infrared. Optics Express, 2019, 27, 27618.	1.7	48
11	Active manipulation of electromagnetically induced transparency in a terahertz hybrid metamaterial. Optics Communications, 2018, 426, 629-634.	1.0	35
12	Active Control of Near-Field Coupling in a Terahertz Metal-Graphene Metamaterial. IEEE Photonics Technology Letters, 2017, 29, 1998-2001.	1.3	30
13	Tailoring anisotropic absorption in a borophene-based structure via critical coupling. Optics Express, 2021, 29, 8941.	1.7	22
14	Acoustic absorption spectral peak location for gas detection. Sensors and Actuators B: Chemical, 2014, 203, 1-8.	4.0	21
15	Active control of electromagnetically induced transparency analog in all-dielectric metamaterials loaded with graphene. Journal Physics D: Applied Physics, 2020, 53, 505105.	1.3	18
16	Engineering light absorption at critical coupling via bound states in the continuum. Journal of the Optical Society of America B: Optical Physics, 2021, 38, 1325.	0.9	17
17	Tunable anisotropic absorption in monolayer black phosphorus using critical coupling. Applied Physics Express, 2020, 13, 012010.	1.1	16
18	Tailoring slow light with a metalâ€“graphene hybrid metasurface in the terahertz regime. Journal of the Optical Society of America B: Optical Physics, 2019, 36, E48.	0.9	15

#	Article	IF	Citations
19	Tuning nonlinear second-harmonic generation in AlGaAs nanoantennas via chalcogenide phase-change material. Physical Review B, 2021, 104, .	1.1	14
20	Dynamically tunable electromagnetically induced transparency in a terahertz hybrid metamaterial. Physica E: Low-Dimensional Systems and Nanostructures, 2018, 104, 229-232.	1.3	12
21	Third- and Second-Harmonic Generation in All-Dielectric Nanostructures: A Mini Review. Frontiers in Nanotechnology, 2022, 4, .	2.4	12
22	Capturing molecular multimode relaxation processes in excitable gases based on decomposition of acoustic relaxation spectra. Measurement Science and Technology, 2017, 28, 085008.	1.4	10
23	Strong interaction between graphene and localized hot spots in all-dielectric metasurfaces. Journal Physics D: Applied Physics, 2019, 52, 385102.	1.3	10
24	Gain-assisted critical coupling for enhanced optical absorption in graphene. Nanotechnology, 2021, 32, 205202.	1.3	10
25	Decomposition of effective specific heat of molecular relaxation for gas detection in a mixture. Journal of the Acoustical Society of America, 2017, 141, 1844-1851.	0.5	9
26	Tunable light trapping and absorption enhancement with graphene-based complementary metasurfaces. Optical Materials Express, 2019, 9, 1469.	1.6	9
27	A simple measurement method of molecular relaxation in a gas by reconstructing acoustic velocity dispersion. Measurement Science and Technology, 2018, 29, 015109.	1.4	8
28	Actively tunable slow light in a terahertz hybrid metal-graphene metamaterial. Journal of Optics (United Kingdom), 2019, 21, 035101.	1.0	8
29	Predicting acoustic relaxation absorption in gas mixtures for extraction of composition relaxation contributions. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2017, 473, 20170496.	1.0	6
30	Decoupling Multiple Rotational Relaxations of Hydrogen to Detect Gas Mixtures. IEEE Access, 2019, 7, 115774-115782.	2.6	6
31	Acoustic analysis of gas compositions based on molecular relaxation features. Results in Physics, 2021, 25, 104304.	2.0	4
32	A versatile acoustic gas sensing method via extracting intrinsic molecular internal specific heat. Physics Letters, Section A: General, Atomic and Solid State Physics, 2021, 401, 127349.	0.9	3
33	A Mathematica program for the calculation of five-body Moshinsky brackets. Computer Physics Communications, 2016, 203, 238-244.	3.0	2
34	Perfect absorption in free-standing GaAs nanocylinder arrays by degenerate critical coupling. Optical Materials, 2021, 121, 111558.	1.7	2