

# Tingting Liu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8938737/publications.pdf>

Version: 2024-02-01

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  | Third- and Second-Harmonic Generation in All-Dielectric Nanostructures: A Mini Review. <i>Frontiers in Nanotechnology</i> , 2022, 4, .                                                             | 2.4 | 12        |
| 2  | Polarization-controlled dynamically switchable high-harmonic generation from all-dielectric metasurfaces governed by dual bound states in the continuum. <i>Physical Review B</i> , 2022, 105, .   | 1.1 | 65        |
| 3  | Gain-assisted critical coupling for enhanced optical absorption in graphene. <i>Nanotechnology</i> , 2021, 32, 205202.                                                                             | 1.3 | 10        |
| 4  | Engineering light absorption at critical coupling via bound states in the continuum. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2021, 38, 1325.                         | 0.9 | 17        |
| 5  | Tailoring anisotropic absorption in a borophene-based structure via critical coupling. <i>Optics Express</i> , 2021, 29, 8941.                                                                     | 1.7 | 22        |
| 6  | Acoustic analysis of gas compositions based on molecular relaxation features. <i>Results in Physics</i> , 2021, 25, 104304.                                                                        | 2.0 | 4         |
| 7  | A versatile acoustic gas sensing method via extracting intrinsic molecular internal specific heat. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2021, 401, 127349. | 0.9 | 3         |
| 8  | Perfect absorption in free-standing GaAs nanocylinder arrays by degenerate critical coupling. <i>Optical Materials</i> , 2021, 121, 111558.                                                        | 1.7 | 2         |
| 9  | Tuning nonlinear second-harmonic generation in AlGaAs nanoantennas via chalcogenide phase-change material. <i>Physical Review B</i> , 2021, 104, .                                                 | 1.1 | 14        |
| 10 | Tunable anisotropic absorption in monolayer black phosphorus using critical coupling. <i>Applied Physics Express</i> , 2020, 13, 012010.                                                           | 1.1 | 16        |
| 11 | Tailoring the absorption bandwidth of graphene at critical coupling. <i>Physical Review B</i> , 2020, 102, .                                                                                       | 1.1 | 85        |
| 12 | Controlling light absorption of graphene at critical coupling through magnetic dipole quasi-bound states in the continuum resonance. <i>Physical Review B</i> , 2020, 102, .                       | 1.1 | 135       |
| 13 | Active metamaterials and metadevices: a review. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 503002.                                                                                      | 1.3 | 261       |
| 14 | Active control of electromagnetically induced transparency analog in all-dielectric metamaterials loaded with graphene. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 505105.              | 1.3 | 18        |
| 15 | Strong interaction between graphene and localized hot spots in all-dielectric metasurfaces. <i>Journal Physics D: Applied Physics</i> , 2019, 52, 385102.                                          | 1.3 | 10        |
| 16 | Decoupling Multiple Rotational Relaxations of Hydrogen to Detect Gas Mixtures. <i>IEEE Access</i> , 2019, 7, 115774-115782.                                                                        | 2.6 | 6         |
| 17 | Tunable Anisotropic Absorption in Hyperbolic Metamaterials Based on Black Phosphorous/Dielectric Multilayer Structures. <i>Journal of Lightwave Technology</i> , 2019, 37, 3290-3297.              | 2.7 | 76        |
| 18 | Actively tunable slow light in a terahertz hybrid metal-graphene metamaterial. <i>Journal of Optics (United Kingdom)</i> , 2019, 21, 035101.                                                       | 1.0 | 8         |

| #  | ARTICLE                                                                                                                                                                                                                             | IF  | CITATIONS |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Symmetry-protected bound states in the continuum supported by all-dielectric metasurfaces. <i>Physical Review A</i> , 2019, 100, .                                                                                                  | 1.0 | 205       |
| 20 | Tailoring slow light with a metal-graphene hybrid metasurface in the terahertz regime. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2019, 36, E48.                                                         | 0.9 | 15        |
| 21 | Black phosphorus-based anisotropic absorption structure in the mid-infrared. <i>Optics Express</i> , 2019, 27, 27618.                                                                                                               | 1.7 | 48        |
| 22 | Tunable light trapping and absorption enhancement with graphene-based complementary metasurfaces. <i>Optical Materials Express</i> , 2019, 9, 1469.                                                                                 | 1.6 | 9         |
| 23 | A simple measurement method of molecular relaxation in a gas by reconstructing acoustic velocity dispersion. <i>Measurement Science and Technology</i> , 2018, 29, 015109.                                                          | 1.4 | 8         |
| 24 | Active modulation of electromagnetically induced transparency analogue in terahertz hybrid metal-graphene metamaterials. <i>Carbon</i> , 2018, 126, 271-278.                                                                        | 5.4 | 382       |
| 25 | Independently tunable dual-spectral electromagnetically induced transparency in a terahertz metal-graphene metamaterial. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 415105.                                              | 1.3 | 49        |
| 26 | Active manipulation of electromagnetically induced transparency in a terahertz hybrid metamaterial. <i>Optics Communications</i> , 2018, 426, 629-634.                                                                              | 1.0 | 35        |
| 27 | Dynamically tunable electromagnetically induced transparency in a terahertz hybrid metamaterial. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2018, 104, 229-232.                                                 | 1.3 | 12        |
| 28 | Decomposition of effective specific heat of molecular relaxation for gas detection in a mixture. <i>Journal of the Acoustical Society of America</i> , 2017, 141, 1844-1851.                                                        | 0.5 | 9         |
| 29 | Dynamically controllable plasmon induced transparency based on hybrid metal-graphene metamaterials. <i>Scientific Reports</i> , 2017, 7, 13917.                                                                                     | 1.6 | 49        |
| 30 | Capturing molecular multimode relaxation processes in excitable gases based on decomposition of acoustic relaxation spectra. <i>Measurement Science and Technology</i> , 2017, 28, 085008.                                          | 1.4 | 10        |
| 31 | Active Control of Near-Field Coupling in a Terahertz Metal-Graphene Metamaterial. <i>IEEE Photonics Technology Letters</i> , 2017, 29, 1998-2001.                                                                                   | 1.3 | 30        |
| 32 | Predicting acoustic relaxation absorption in gas mixtures for extraction of composition relaxation contributions. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2017, 473, 20170496. | 1.0 | 6         |
| 33 | A Mathematica program for the calculation of five-body Moshinsky brackets. <i>Computer Physics Communications</i> , 2016, 203, 238-244.                                                                                             | 3.0 | 2         |
| 34 | Acoustic absorption spectral peak location for gas detection. <i>Sensors and Actuators B: Chemical</i> , 2014, 203, 1-8.                                                                                                            | 4.0 | 21        |