

Qi Wang

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Electrically-modulated infrared absorption of graphene metamaterials via magnetic dipole resonance. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2022, 137, 115078.	2.7	6
2	Bidirectional tunable nano-film absorber based on Fabry-Pérot resonance incorporating polymer-dispersed liquid crystal. <i>Optics Communications</i> , 2022, 510, 127925.	2.1	4
3	High-Efficiency Plasmonic Lens Based on Archimedes-Spiral with Cross Section of an Asymmetric Slot. <i>Crystals</i> , 2022, 12, 316.	2.2	1
4	Improving the Detection Accuracy of an Ag/Au Bimetallic Surface Plasmon Resonance Biosensor Based on Graphene. <i>Chemosensors</i> , 2022, 10, 10.	3.6	9
5	Angle robust reflected plasmonic color palettes with expanded color gamut. <i>Optics Communications</i> , 2022, 517, 128341.	2.1	7
6	Dual-channel glucose concentration sensor based on coupled cross-stacked gratings. <i>Microwave and Optical Technology Letters</i> , 2021, 63, 1860-1867.	1.4	0
7	Broadband near-infrared reflector based on double-layer subwavelength gratings. <i>Optical and Quantum Electronics</i> , 2021, 53, 1.	3.3	0
8	Fano resonances for high performance sensing in an asymmetric resonator based on hybrid graphene/dielectric metasurfaces. <i>AIP Advances</i> , 2021, 11, 085123.	1.3	2
9	Monolayer-Graphene-Based Tunable Absorber in the Near-Infrared. <i>Micromachines</i> , 2021, 12, 1320.	2.9	4
10	Tunable Infrared Optical Switch Based on Vanadium Dioxide. <i>Nanomaterials</i> , 2021, 11, 2988.	4.1	7
11	Angle-tolerant polarization controlled continuous color palette from all-dielectric nanograting in reflective mode. <i>Optics Express</i> , 2021, 29, 41246.	3.4	4
12	Graphene-based dynamically tunable absorbers through guided mode resonance. <i>Superlattices and Microstructures</i> , 2020, 144, 106550.	3.1	5
13	Electrically tunable polarization-independent visible transmission guided-mode resonance filter based on polymer-dispersed liquid crystals. <i>Microwave and Optical Technology Letters</i> , 2020, 62, 3727-3732.	1.4	5
14	Omnidirectional and compact transmissive chromatic polarizers based on a dielectric-metal-dielectric structure. <i>Optics Express</i> , 2020, 28, 25073.	3.4	5
15	Portable organic gas detection sensor based on the effect of guided-mode resonance. <i>AIP Advances</i> , 2017, 7, .	1.3	4
16	Broadband polarizing beam splitter based on two-layer metal grating with a high refractive index dielectric layer. <i>Optik</i> , 2017, 140, 268-272.	2.9	4
17	Characteristics of guided-mode resonance filter with elliptically polarized incident light. <i>IEEE Photonics Journal</i> , 2017, , 1-1.	2.0	1
18	Influence of structure parameters on FWHM and wavelength separation based on intensity-tunable guided mode resonance filter. <i>Microwave and Optical Technology Letters</i> , 2016, 58, 705-708.	1.4	4

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19	Influence of photoresist layer on unetched guided mode resonance filter. Journal of Optics (India), 2016, 45, 302-306.	1.7	4
20	Intensity-tunable guided mode resonance reflectance filter with dual channels. Micro and Nano Letters, 2016, 11, 105-108.	1.3	1
21	Study on the excitation and propagation characteristics of THz-wave surface plasmon polaritons on the surface of semiconductor. International Journal of Nanotechnology, 2015, 12, 838.	0.2	2
22	Versatile method for adjusting fabrication errors of guided-mode resonance filters. Optics Communications, 2015, 353, 10-16.	2.1	1
23	Optical notch filter with tunable bandwidth based on guided-mode resonant polarization-sensitive spectral feature. Optics Express, 2015, 23, 18300.	3.4	19
24	Optimizing the quality factor of a wideband guided-mode resonance biosensor. Applied Physics A: Materials Science and Processing, 2014, 117, 553-556.	2.3	4
25	Enhanced absorption of graphene strips with a multilayer subwavelength grating structure. Applied Physics Letters, 2014, 105, 221113.	3.3	57
26	Biological detecting and imaging technology based on guided-mode resonance effect. , 2014, , .		0
27	Electronically controlled wavelength-tunable transmission filter based on metal grating incorporating polymer-dispersed liquid crystal. Electronics Letters, 2014, 50, 1968-1970.	1.0	0
28	Tunable guided-mode resonance filter based on dielectric elastomer actuators. Optik, 2014, 125, 1990-1992.	2.9	2
29	Real-Time Angular Sensitivity Compensation of Guided-Mode Resonance Filter. IEEE Photonics Technology Letters, 2014, 26, 231-234.	2.5	12
30	Tunable terahertz spectral filter based on temperature controlled subwavelength InSb grating. Superlattices and Microstructures, 2014, 75, 955-961.	3.1	13
31	Design and characteristics of polarization-insensitive resonant gratings for color filtering. Journal of Modern Optics, 2013, 60, 1961-1966.	1.3	7
32	Sensitivity of a Label-Free Guided-Mode Resonant Optical Biosensor with Different Modes. Sensors, 2012, 12, 9791-9799.	3.8	16
33	Colored image produced with guided-mode resonance filter array. Optics Letters, 2011, 36, 4698.	3.3	41
34	A method to accurately control the period of subwavelength planar holographic grating in the fabrication process of guided mode resonance filter. Optik, 2011, 122, 1654-1656.	2.9	1
35	Tunable intensity of the spectral reflectance of a guided-mode resonance filter with dual channels. Optics and Laser Technology, 2011, 43, 1091-1095.	4.6	12
36	Type of tunable guided-mode resonance filter based on electro-optic characteristic of polymer-dispersed liquid crystal. Optics Letters, 2010, 35, 1236.	3.3	33

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37	Compensation of reflectance response deviations of guided-mode resonant filters induced by overetching fabrication. Optics Letters, 2009, 34, 70.	3.3	11
38	Electric field distributions of single-layer guided-mode resonance filters. , 2009, , .		0
39	Ultra-broadband Absorber Based on Cascaded Nanodisk Arrays. Chinese Physics B, 0, , .	1.4	1