Qiang Liu

List of Publications by Year
in descending order

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Version: 2024-02-01

36 papers	1,312 citations	623734 14 h-index	361022 35 g-index
36 all docs	36 docs citations	36 times ranked	625 citing authors

#	Article	IF	Citations
1	A novel photonic quasi-crystal fiber for transmission of orbital angular momentum modes. Optik, 2022, 251, 168446.	2.9	5
2	A photonic quasi-crystal fibre supporting stable transmission of 150 OAM modes with high mode quality and flat dispersion. Journal of Modern Optics, 2022, 69, 887-896.	1.3	3
3	Surface plasmon resonance sensor based on U-shaped photonic quasi-crystal fiber. Applied Optics, 2021, 60, 1761.	1.8	27
4	Multi-functional gallium arsenide photonic crystal polarization splitter with a gold core. Modern Physics Letters B, 2021, 35, 2150229.	1.9	3
5	A photonic quasi-crystal fiber composed of circular air holes with high birefringence and low confinement loss. Optik, 2021, 231, 166497.	2.9	3
6	Investigation of a high-sensitivity surface plasmon resonance sensor based on the eccentric core quasi D-shape photonic quasi-crystal fiber. Journal of Modern Optics, 2021, 68, 555-563.	1.3	4
7	High-sensitivity methane sensor composed of photonic quasi-crystal fiber based on surface plasmon resonance. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2021, 38, 1438.	1.5	11
8	Efficient photonic crystal fiber polarization splitters composed of gallium arsenide and nematic liquid crystals. Modern Physics Letters B, 2021, 35, 2150077.	1.9	2
9	Numerical analysis of a high-birefringent photonic quasi-crystal fiber with circular air holes. Optik, 2020, 207, 163850.	2.9	2
10	Surface plasmon resonance sensor based on coupling effects of dual photonic crystal fibers for low refractive indexes detection. Results in Physics, 2020, 18, 103240.	4.1	60
11	Forward and Backward Unidirectional Scattering by the Core-Shell Nanocube Dimer with Balanced Gain and Loss. Nanomaterials, 2020, 10, 1440.	4.1	3
12	Surface plasmon resonance sensor based on photonic crystal fiber with indium tin oxide film. Optical Materials, 2020, 102, 109800.	3.6	70
13	Toroidal dipole and magnetic multipole excitations from the same nanostructure with different direction of electric dipole emitters. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	2.3	1
14	Surface plasmon resonance (SPR) infrared sensor based on D-shape photonic crystal fibers with ITO coatings. Optics Communications, 2020, 464, 125496.	2.1	157
15	Near-infrared surface plasmon resonance sensor based on photonic crystal fiber with big open rings. Optik, 2020, 207, 164466.	2.9	41
16	High-sensitivity SPR sensor based on the eightfold eccentric core PQF with locally coated indium tin oxide. Applied Optics, 2020, 59, 6484.	1.8	10
17	Single-polarization photonic crystal fiber filter composed of elliptical gold films. Optical Engineering, 2020, 59, 1.	1.0	4
18	Transfer matrix method for simulation of the fiber Bragg grating in polarization maintaining fiber. Optics Communications, 2019, 452, 185-188.	2.1	11

#	Article	IF	Citations
19	Localized Surface Plasmon Resonance Properties of Concentric Dual-Ring Nanodisk. Nano, 2019, 14, 1950071.	1.0	0
20	Dual-band unidirectional forward scattering of Auâ€“Si sliced nanorod in the visible region. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	2.3	4
21	A high-birefringent photonic quasi-crystal fiber with two elliptical air holes. Optik, 2019, 184, 10-15.	2.9	10
22	Surface plasmon resonance sensor based onÂeccentric core photonic quasi-crystal fiberÂwith indium tin oxide. Applied Optics, 2019, 58, 6848.	1.8	22
23	Discriminating Twisting Direction by Polarization Maintaining Fiber Bragg Grating. IEEE Photonics Technology Letters, 2018, 30, 654-657.	2.5	6
24	Analysis of a Surface Plasmon Resonance Probe Based on Photonic Crystal Fibers for Low Refractive Index Detection. Plasmonics, 2018, 13, 779-784.	3.4	137
25	Localized surface plasmon resonance properties of symmetry-broken Auâ€“ITOâ€“Ag multilayered nanoshells. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	2.3	4
26	Surface plasmon resonance sensor based on D-shaped photonic crystal fiber with two micro-openings. Journal Physics D: Applied Physics, 2018, 51, 305104.	2.8	40
27	Symmetrical dual D-shape photonic crystal fibers for surface plasmon resonance sensing. Optics Express, 2018, 26, 9039.	3.4	213
28	Birefringent PCF-Based SPR Sensor for a Broad Range of Low Refractive Index Detection. IEEE Photonics Technology Letters, 2018, 30, 1471-1474.	2.5	50
29	Analysis of Local Surface Plasmon Resonance in Multilayered Au/Ag/Graphene Nanoshells. Nano, 2017, 12, 1750062.	1.0	4
30	Surface plasmon resonance-induced tunable polarization filters based on nanoscale gold film-coated photonic crystal fibers. Chinese Physics B, 2017, 26, 104211.	1.4	8
31	Numerical analysis of a photonic crystal fiber based on a surface plasmon resonance sensor with an annular analyte channel. Optics Communications, 2017, 382, 162-166.	2.1	91
32	Mid-infrared surface plasmon resonance sensor based on photonic crystal fibers. Optics Express, 2017, 25, 14227.	3.4	222
33	Theoretical Assessment of Localized Surface Plasmon Resonance Properties of Au-Interlayer-Ag Multilayered Nanoshells. Plasmonics, 2016, 11, 1589-1595.	3.4	10
34	Analysis of a highly birefringent asymmetric photonic crystal fibre based on a surface plasmon resonance sensor. Journal of Modern Optics, 2016, 63, 1189-1195.	1.3	12
35	Photonic Crystal Fiber Temperature Sensor Based on Coupling Between Liquid-Core Mode and Defect Mode. IEEE Photonics Journal, 2015, 7, 1-9.	2.0	29
36	Design and theoretical analysis of a photonic crystal fiber based on surface plasmon resonance sensing. Journal of Nanophotonics, 2015, 9, 093050.	1.0	33