Qiang Liu

List of Publications by Year
in descending order

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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	Mid-infrared surface plasmon resonance sensor based on photonic crystal fibers. Optics Express, 2017, 25, 14227.	3.4	222
2	Symmetrical dual D-shape photonic crystal fibers for surface plasmon resonance sensing. Optics Express, 2018, 26, 9039.	3.4	213
3	Surface plasmon resonance (SPR) infrared sensor based on D-shape photonic crystal fibers with ITO coatings. Optics Communications, 2020, 464, 125496.	2.1	157
4	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
5	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
6	Surface plasmon resonance sensor based on photonic crystal fiber with indium tin oxide film. Optical Materials, 2020, 102, 109800.	3.6	70
7	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
8	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
9	Near-infrared surface plasmon resonance sensor based on photonic crystal fiber with big open rings. Optik, 2020, 207, 164466.	2.9	41
10	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
11	Design and theoretical analysis of a photonic crystal fiber based on surface plasmon resonance sensing. Journal of Nanophotonics, 2015, 9, 093050.	1.0	33
12	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
13	Surface plasmon resonance sensor based on U-shaped photonic quasi-crystal fiber. Applied Optics, 2021, 60, 1761.	1.8	27
14	Surface plasmon resonance sensor based onÂeccentric core photonic quasi-crystal fiberÂwith indium tin oxide. Applied Optics, 2019, 58, 6848.	1.8	22
15	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
16	Transfer matrix method for simulation of the fiber Bragg grating in polarization maintaining fiber. Optics Communications, 2019, 452, 185-188.	2.1	11
17	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
18	Theoretical Assessment of Localized Surface Plasmon Resonance Properties of Au-Interlayer-Ag Multilayered Nanoshells. Plasmonics, 2016, 11, 1589-1595.	3.4	10

#	Article	IF	Citations
19	A high-birefringent photonic quasi-crystal fiber with two elliptical air holes. Optik, 2019, 184, 10-15.	2.9	10
20	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
21	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
22	Discriminating Twisting Direction by Polarization Maintaining Fiber Bragg Grating. IEEE Photonics Technology Letters, 2018, 30, 654-657.	2.5	6
23	A novel photonic quasi-crystal fiber for transmission of orbital angular momentum modes. Optik, 2022, 251, 168446.	2.9	5
24	Analysis of Local Surface Plasmon Resonance in Multilayered Au/Ag/Graphene Nanoshells. Nano, 2017, 12, 1750062.	1.0	4
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	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
27	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
28	Single-polarization photonic crystal fiber filter composed of elliptical gold films. Optical Engineering, 2020, 59, 1.	1.0	4
29	Forward and Backward Unidirectional Scattering by the Core-Shell Nanocube Dimer with Balanced Gain and Loss. Nanomaterials, 2020, 10, 1440.	4.1	3
30	Multi-functional gallium arsenide photonic crystal polarization splitter with a gold core. Modern Physics Letters B, 2021, 35, 2150229.	1.9	3
31	A photonic quasi-crystal fiber composed of circular air holes with high birefringence and low confinement loss. Optik, 2021, 231, 166497.	2.9	3
32	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
33	Numerical analysis of a high-birefringent photonic quasi-crystal fiber with circular air holes. Optik, 2020, 207, 163850.	2.9	2
34	Efficient photonic crystal fiber polarization splitters composed of gallium arsenide and nematic liquid crystals. Modern Physics Letters B, 2021, 35, 2150077.	1.9	2
35	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
36	Localized Surface Plasmon Resonance Properties of Concentric Dual-Ring Nanodisk. Nano, 2019, 14, 1950071.	1.0	0