

Ahmmmed A Rifat

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

60
papers

2,128
citations

23
h-index

45
g-index

69
ext. papers

2,832
ext. citations

3.3
avg, IF

5.39
L-index

#	Paper	IF	Citations
60	Enhanced four-wave mixing from multi-resonant silicon dimer-hole membrane metasurfaces. <i>New Journal of Physics</i> , 2022 , 24, 035002	2.9	1
59	Highly Sensitive Resonant Dielectric Metagrating Sensors 2021 ,		1
58	Bio-inspired butterfly core-shaped photonic crystal fiber-based refractive index sensor. <i>OSA Continuum</i> , 2021 , 4, 1179	1.4	4
57	Highly Sensitive U-Shaped Micro-channel Photonic Crystal FiberBased Plasmonic Biosensor. <i>Plasmonics</i> , 2021 , 16, 2215	2.4	7
56	Multi-Analyte Detection Based on Integrated Internal and External Sensing Approach. <i>IEEE Transactions on Nanobioscience</i> , 2021 , PP,	3.4	4
55	Edge Detection with Mie-Resonant Dielectric Metasurfaces. <i>ACS Photonics</i> , 2021 , 8, 864-871	6.3	11
54	Resonant Dielectric Metagratings for Response Intensified Optical Sensing. <i>Advanced Functional Materials</i> , 2021 , 2103143	15.6	3
53	Plasmonic micro-channel based highly sensitive biosensor in visible to mid-IR. <i>Optics and Laser Technology</i> , 2021 , 140, 107020	4.2	7
52	U-grooved dual-channel plasmonic sensor for simultaneous multi-analyte detection. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2021 , 38, 3055	1.7	1
51	Alphabetic-Core Assisted Microstructure Fiber Based Plasmonic Biosensor. <i>Plasmonics</i> , 2020 , 15, 1949-1958	1.5	7
50	Dual-Region Resonant Meander Metamaterial. <i>Advanced Optical Materials</i> , 2020 , 8, 1901658	8.1	5
49	Asymmetric core-guided polarization-dependent plasmonic biosensor. <i>Applied Optics</i> , 2020 , 59, 7829-7835	1.5	6
48	Mode-multiplex plasmonic sensor for multi-analyte detection. <i>Optics Letters</i> , 2020 , 45, 3945-3948	3	18
47	High Fluence Chromium and Tungsten Bowtie Nano-antennas. <i>Scientific Reports</i> , 2019 , 9, 13023	4.9	3
46	A Hi-Bi Ultra-Sensitive Surface Plasmon Resonance Fiber Sensor. <i>IEEE Access</i> , 2019 , 7, 79085-79094	3.5	67
45	Twin-core sunflower-type photonic quasicrystal fibers incorporated gold, silver, and copper microwire: an ultrashort and broad bandwidth polarization splitter. <i>Optical and Quantum Electronics</i> , 2019 , 51, 1	2.4	2
44	High-Efficiency Visible Light Manipulation Using Dielectric Metasurfaces. <i>Scientific Reports</i> , 2019 , 9, 6510	4.9	33

43	Development of Photonic Crystal Fiber-Based Gas/Chemical Sensors 2019 , 287-317		16
42	SOI Waveguide-Based Biochemical Sensors 2019 , 423-448		5
41	Microstructured Optical Fiber-Based Plasmonic Sensors 2019 , 203-232		10
40	Deeply Subwavelength Metasurface Resonators for Terahertz Wavefront Manipulation. <i>Advanced Optical Materials</i> , 2019 , 7, 1900736	8.1	13
39	Graphene-Reinforced Advanced Composite Materials 2019 , 27-89		3
38	Design and fabrication of copper-filled photonic crystal fiber based polarization filters. <i>Applied Optics</i> , 2019 , 58, 2068-2075	1.7	21
37	Localized surface plasmon resonance biosensor: an improved technique for SERS response intensification. <i>Optics Letters</i> , 2019 , 44, 1134-1137	3	34
36	Propagation Controlled Photonic Crystal Fiber-Based Plasmonic Sensor via Scaled-Down Approach. <i>IEEE Sensors Journal</i> , 2019 , 19, 962-969	4	29
35	Functionalized Flexible Soft Polymer Optical Fibers for Laser Photomedicine. <i>Advanced Optical Materials</i> , 2018 , 6, 1701118	8.1	34
34	Spiral Photonic Crystal Fiber-Based Dual-Polarized Surface Plasmon Resonance Biosensor. <i>IEEE Sensors Journal</i> , 2018 , 18, 133-140	4	123
33	Terahertz Sensing in a Hollow Core Photonic Crystal Fiber. <i>IEEE Sensors Journal</i> , 2018 , 18, 4073-4080	4	72
32	Highly sensitive selectively coated photonic crystal fiber-based plasmonic sensor. <i>Optics Letters</i> , 2018 , 43, 891-894	3	135
31	Hybrid Metasurface Based Tunable Near-Perfect Absorber and Plasmonic Sensor. <i>Materials</i> , 2018 , 11,	3.5	34
30	butterfly-inspired optical diffraction, diffusion, and bio-chemical sensing.. <i>RSC Advances</i> , 2018 , 8, 27111-27118	3.7	14
29	Highly amplitude-sensitive photonic-crystal-fiber-based plasmonic sensor. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2018 , 35, 2816	1.7	44
28	Dual-polarized highly sensitive plasmonic sensor in the visible to near-IR spectrum. <i>Optics Express</i> , 2018 , 26, 30347-30361	3.3	99
27	Highly Sensitive Plasmonic Metasensor with Wide Detection Range 2018 ,		1
26	A Novel Diamond Ring Fiber-Based Surface Plasmon Resonance Sensor. <i>Plasmonics</i> , 2018 , 13, 1165-1170	2.4	15

25	Highly Sensitive D-Shaped Photonic Crystal Fiber-Based Plasmonic Biosensor in Visible to Near-IR. <i>IEEE Sensors Journal</i> , 2017 , 17, 2776-2783	4	108
24	Dual-hole unit-based kagome lattice microstructure fiber for low-loss and highly birefringent terahertz guidance. <i>Optical Engineering</i> , 2017 , 56, 043108	1.1	23
23	Enhancement of evanescent field exposure in a photonic crystal fibre with interstitial holes. <i>Journal of Modern Optics</i> , 2017 , 64, 1544-1549	1.1	1
22	Photonic crystal fiber based plasmonic sensors. <i>Sensors and Actuators B: Chemical</i> , 2017 , 243, 311-325	8.5	190
21	Diamond ring fiber for evanescent field exposure. <i>Optics Letters</i> , 2017 , 42, 1544-1547	3	2
20	Phase-conjugated directional diffraction from a retroreflector array hologram. <i>RSC Advances</i> , 2017 , 7, 25657-25664	3.7	7
19	Photonic crystal fiber-based plasmonic biosensor with external sensing approach. <i>Journal of Nanophotonics</i> , 2017 , 12, 012503	1.1	39
18	A single-mode highly birefringent dispersion-compensating photonic crystal fiber using hybrid cladding. <i>Journal of Modern Optics</i> , 2017 , 64, 218-225	1.1	33
17	A Highly Sensitive Gold-Coated Photonic Crystal Fiber Biosensor Based on Surface Plasmon Resonance. <i>Photonics</i> , 2017 , 4, 18	2.2	62
16	Photonic crystal fiber-based plasmonic biosensor with external sensing approach (erratum). <i>Journal of Nanophotonics</i> , 2017 , 12, 1	1.1	4
15	Optical microring resonator based corrosion sensing. <i>RSC Advances</i> , 2016 , 6, 56127-56133	3.7	42
14	Copper-Graphene-Based Photonic Crystal Fiber Plasmonic Biosensor. <i>IEEE Photonics Journal</i> , 2016 , 8, 1-8	1.8	93
13	Mode-multiplexed waveguide sensor. <i>Journal of Electromagnetic Waves and Applications</i> , 2016 , 30, 444-455	4.5	13
12	A Novel Photonic Crystal Fiber Biosensor Using Surface Plasmon Resonance. <i>Procedia Engineering</i> , 2016 , 140, 1-7		69
11	Multimode waveguide based directional coupler. <i>Optics Communications</i> , 2016 , 370, 183-191	2	19
10	Highly sensitive multi-core flat fiber surface plasmon resonance refractive index sensor. <i>Optics Express</i> , 2016 , 24, 2485-95	3.3	155
9	Multiwall carbon nanotube microcavity arrays. <i>Journal of Applied Physics</i> , 2016 , 119, 113105	2.5	12
8	A single mode porous-core square lattice photonic crystal fiber for THz wave propagation. <i>Journal of the European Optical Society-Rapid Publications</i> , 2016 , 12,	2.5	35

7	Photonic crystal fiber-based surface plasmon resonance sensor with selective analyte channels and graphene-silver deposited core. <i>Sensors</i> , 2015 , 15, 11499-510	3.8	172
6	Surface Plasmon Resonance Photonic Crystal Fiber Biosensor: A Practical Sensing Approach. <i>IEEE Photonics Technology Letters</i> , 2015 , 27, 1628-1631	2.2	137
5	Design of large negative dispersion and modal analysis for hexagonal, square, FCC and BCC photonic crystal fibers 2013 ,		8
4	Design of Ultra-flattened Zero Dispersion Shifted Photonic Crystal Fibers with Lower Confinement Loss for Telecommunication Applications 2013 ,		1
3	Design and Simulation of Dual-Concentric-Core Photonic Crystal Fiber for Dispersion Compensation 2013 ,		5
2	Design, Simulation & Optimization of 2D Photonic Crystal Power Splitter. <i>Optics and Photonics Journal</i> , 2013 , 03, 13-19	0.3	12
1	Design & Analysis of Optical Lenses by using 2D Photonic Crystals for Sub-wavelength Focusing. <i>International Journal of Advanced Computer Science and Applications</i> , 2012 , 3,	1.7	2