Huseyin Ademgil

List of Publications by Year
in descending order

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37 papers	1,252 citations	430442 18 h-index	476904 29 g-index
37 all docs	37 docs citations	37 times ranked	585 citing authors

#	Article	IF	Citations
1	Numerical Analysis of a Photonic Crystal Fiber for Biosensing Applications. IEEE Journal of Quantum Electronics, 2012, 48, 1403-1410.	1.0	282
2	PCF Based Sensor with High Sensitivity, High Birefringence and Low Confinement Losses for Liquid Analyte Sensing Applications. Sensors, 2015, 15, 31833-31842.	2.1	144
3	Highly sensitive octagonal photonic crystal fiber based sensor. Optik, 2014, 125, 6274-6278.	1.4	131
4	Novel design of photonic crystal fibres with low confinement losses, nearly zero ultra-flatted chromatic dispersion, negative chromatic dispersion and improved effective mode area. Optics Communications, 2008, 281, 278-286.	1.0	87
5	Multi-Channel Photonic Crystal Fiber Based Surface Plasmon Resonance Sensor for Multi-Analyte Sensing. IEEE Photonics Journal, 2020, 12, 1-15.	1.0	59
6	Highly birefringent nonlinear PCF for optical sensing of analytes in aqueous solutions. Optik, 2016, 127, 6653-6660.	1.4	54
7	Highly Birefringent Photonic Crystal Fibers With Ultralow Chromatic Dispersion and Low Confinement Losses. Journal of Lightwave Technology, 2008, 26, 441-448.	2.7	53
8	Endlessly single mode photonic crystal fiber with improved effective mode area. Optics Communications, 2012, 285, 1514-1518.	1.0	53
9	Bending Effects on Highly Birefringent Photonic Crystal Fibers With Low Chromatic Dispersion and Low Confinement Losses. Journal of Lightwave Technology, 2009, 27, 559-567.	2.7	42
10	Bending insensitive large mode area photonic crystal fiber. Optik, 2011, 122, 1950-1956.	1.4	36
11	An Endlessly Single-Mode Photonic Crystal Fiber With Low Chromatic Dispersion, and Bend and Rotational Insensitivity. Journal of Lightwave Technology, 2009, 27, 3940-3947.	2.7	32
12	Design of a large effective mode area photonic crystal fiber with modified rings. Optics Communications, 2010, 283, 5218-5223.	1.0	32
13	Geometrical comparison of photonic crystal fiber-based surface plasmon resonance sensors. Optical Engineering, 2018, 57, 1.	0.5	28
14	Photonic Crystal Fiber With an Ultrahigh Birefringence and Flattened Dispersion by Using Genetic Algorithms. Journal of Lightwave Technology, 2013, 31, 343-348.	2.7	26
15	Enhanced Effective Area Photonic Crystal Fiber With Novel Air Hole Design. Journal of Lightwave Technology, 2010, 28, 2810-2817.	2.7	25
16	Generative Adversarial Neural Networks Model of Photonic Crystal Fiber Based Surface Plasmon Resonance Sensor. Journal of Lightwave Technology, 2021, 39, 1515-1522.	2.7	25
17	Highly nonlinear birefringent photonic crystal fiber. Optics Communications, 2009, 282, 2831-2835.	1.0	24
18	Ultrahigh-Birefringent Bending-Insensitive Nonlinear Photonic Crystal Fiber With Low Losses. IEEE Journal of Quantum Electronics, 2009, 45, 351-358.	1.0	21

#	Article	IF	Citations
19	Effect of plasmonic materials on photonic crystal fiber based surface plasmon resonance sensors. Modern Physics Letters B, 2019, 33, 1950157.	1.0	16
20	Design of Multicavities on Left-Handed Photonic-Crystal-Based Chemical Sensors. Journal of Lightwave Technology, 2012, 30, 3288-3293.	2.7	12
21	Multianalyte sensing analysis with multilayer photonic crystal fiber-based surface plasmon resonance sensor. Modern Physics Letters B, 2020, 34, 2050375.	1.0	10
22	Effect of bending on photonic crystal fibre based surface plasmon resonance biosensor. Optik, 2021, 241, 166640.	1.4	9
23	Highly birefringent large mode area photonic crystal fiber-basedÂsensorÂfor interferometry applications. Modern Physics Letters B, 2016, 30, 1650422.	1.0	8
24	Effect of the elliptic rods orientations on the asymmetric light transmission in photonic crystals. Optics Communications, 2017, 392, 147-152.	1.0	7
25	A theoretical investigation of a photonic crystal fibre with ultra-flattened chromatic dispersion with three zero crossing dispersion wavelengths. Optical Fiber Technology, 2019, 53, 102032.	1.4	6
26	Bending analysis of multi-analyte photonic crystal fiber based surface plasmon resonance sensor. Optical and Quantum Electronics, 2022, 54, 1.	1.5	6
27	A Nonlinear Switch Based on Irregular Structures and Nonuniformity in Doped Photonic Crystal Fibers. IEEE Journal of Quantum Electronics, 2009, 45, 684-693.	1.0	4
28	Photonic crystal fiber based surface plasmon sensor design and analyze with elliptical air holes. , 2016, , .		4
29	D-shaped photonic crystal fiber based surface plasmon resonance sensor. , 2018, , .		4
30	Design and simulation of wideband Microstrip patch antenna for RFID applications. , 2016, , .		3
31	Unidirectional light propagation photonic crystal waveguide incorporating modified defects. Optik, 2017, 130, 1370-1376.	1.4	3
32	Ultra-High-Speed Deeply Etched Electrooptic Polymer Modulator. IEEE Journal of Quantum Electronics, 2008, 44, 1180-1187.	1.0	2
33	Design and simulation of microstrip patch antenna array for X-Band applications. , 2016, , .		2
34	Bending loss analysis of photonic crystal fibers. , 2012, , .		1
35	Dual core photonic crystal fiber based sensor. , 2014, , .		1
36	Plasmonic acousto-optic transducer for high frequency surface acoustic waves. , 2014, , .		0

#	Article	IF	Citations
37	Simultaneous Sensing of Dual Analyte Photonic Crystal Fiber Based Liquid Sensor. Balkan Journal of Electrical and Computer Engineering, 0, , 434-439.	0.4	0