Mohd Adzir Mahdi

List of Publications by Year
in descending order

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371 papers	5,044 citations	101384 36 h-index	174990 52 g-index
372 all docs	372 docs citations	372 times ranked	3519 citing authors

#	Article	IF	Citations
1	Three-Dimensional Printed Electrode and Its Novel Applications in Electronic Devices. Scientific Reports, 2018, 8, 7399.	1.6	166
2	Single mode tapered fiber-optic interferometer based refractive index sensor and its application to protein sensing. Optics Express, 2014, 22, 22802.	1.7	153
3	Widely tunable linear cavity multiwavelength Brillouin-Erbium fiber lasers. Optics Express, 2005, 13, 3471.	1.7	109
4	Sensitive Detection of Dengue Virus Type 2 E-Proteins Signals Using Self-Assembled Monolayers/Reduced Graphene Oxide-PAMAM Dendrimer Thin Film-SPR Optical Sensor. Scientific Reports, 2020, 10, 2374.	1.6	106
5	Multiwavelength Brillouin-erbium fiber laser with double-Brillouin-frequency spacing. Optics Express, 2011, 19, 1699.	1.7	98
6	X-ray photoelectron spectroscopy (XPS) and radiation shielding parameters investigations for zinc molybdenum borotellurite glasses containing different network modifiers. Journal of Materials Science, 2017, 52, 7394-7414.	1.7	95
7	Flat amplitude multiwavelength Brillouin-Raman comb fiber laser in Rayleigh-scattering-enhanced linear cavity. Optics Express, 2007, 15, 3000.	1.7	74
8	Brillouin-Raman comb fiber laser with cooperative Rayleigh scattering in a linear cavity. Optics Letters, 2006, 31, 918.	1.7	72
9	Tunable range enhancement of Brillouin-erbium fiber laser utilizing Brillouin pump preamplification technique. Optics Express, 2008, 16, 7649.	1.7	68
10	Sensitive surface plasmon resonance performance of cadmium sulfide quantum dots-amine functionalized graphene oxide based thin film towards dengue virus E-protein. Optics and Laser Technology, 2019, 114, 204-208.	2.2	66
11	Quantitative and Selective Surface Plasmon Resonance Response Based on a Reduced Graphene Oxideâ€“Polyamidoamine Nanocomposite for Detection of Dengue Virus E-Proteins. Nanomaterials, 2020, 10, 569.	1.9	63
12	Preparation of silver nanoparticles in virgin coconut oil using laser ablation. International Journal of Nanomedicine, 2011, 6, 71.	3.3	60
13	20 GHz spacing multi-wavelength generation of Brillouin-Raman fiber laser in a hybrid linear cavity. Optics Express, 2013, 21, 18724.	1.7	58
14	Novel Multiwavelength L-Band Brillouinâ€“Erbium Fiber Laser Utilizing Double-Pass Brillouin Pump Preamplified Technique. IEEE Journal of Selected Topics in Quantum Electronics, 2009, 15, 415-421.	1.9	55
15	Enhancement of chitosan-graphene oxide SPR sensor with a multi-metallic layers of Auâ€“Agâ€“Au nanostructure for lead(II) ion detection. Applied Surface Science, 2016, 361, 177-184.	3.1	55
16	Incorporation of surface plasmon resonance with novel valinomycin doped chitosan-graphene oxide thin film for sensing potassium ion. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 191, 111-115.	2.0	55
17	Facile Synthesis of Nitrogen-Doped Carbon Dots from Lignocellulosic Waste. Nanomaterials, 2019, 9, 1500.	1.9	54
18	Multiwavelength L-Band Brillouinâ€“Erbium Comb Fiber Laser Utilizing Nonlinear Amplifying Loop Mirror. Journal of Lightwave Technology, 2009, 27, 5038-5044.	2.7	53

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19	Laser-fabricated castor oil-capped silver nanoparticles. International Journal of Nanomedicine, 2011, 6, 565.	3.3	53
20	NOVEL COMPACT MICROSTRIP ULTRA-WIDEBAND FILTER UTILIZING SHORT-CIRCUITED STUBS WITH LESS VIAS. Progress in Electromagnetics Research, 2008, 88, 91-104.	1.6	52
21	Application of Polypyrrole Multi-Walled Carbon Nanotube Composite Layer for Detection of Mercury, Lead and Iron Ions Using Surface Plasmon Resonance Technique. PLoS ONE, 2014, 9, e93962.	1.1	50
22	L-band Brillouin-Erbium fiber laser pumped with 1480 nm pumping scheme in a linear cavity. Laser Physics Letters, 2007, 4, 371-375.	0.6	48
23	X-BAND TRISECTION SUBSTRATE-INTEGRATED WAVEGUIDE QUASI-ELLIPTIC FILTER. Progress in Electromagnetics Research, 2008, 85, 133-145.	1.6	48
24	Fluorescent recognition of Fe3+ in acidic environment by enhanced-quantum yield N-doped carbon dots: optimization of variables using central composite design. Scientific Reports, 2020, 10, 11710.	1.6	48
25	Fabrication of Silver Nanoparticles Dispersed in Palm Oil Using Laser Ablation. International Journal of Molecular Sciences, 2010, 11, 4764-4770.	1.8	47
26	Room temperature ammonia sensing using tapered multimode fiber coated with polyaniline nanofibers. Optics Express, 2015, 23, 2837.	1.7	45
27	Development of SACâ€“OCDMA in FSO with multi-wavelength laser source. Optics Communications, 2015, 356, 282-289.	1.0	45
28	Spectral variations of the output spectrum in a random distributed feedback Raman fiber laser. Optics Express, 2011, 19, 14152.	1.7	43
29	Tunable multiwavelength Brillouin-Erbium fiber laser with intra-cavity pre-amplified Brillouin pump. Laser Physics Letters, 2008, 5, 139-143.	0.6	41
30	Seamless tuning range based-on available gain bandwidth in multiwavelength Brillouin fiber laser. Optics Express, 2009, 17, 5944.	1.7	41
31	Room temperature ammonia sensor using side-polished optical fiber coated with graphene/polyaniline nanocomposite. Optical Materials Express, 2017, 7, 1858.	1.6	41
32	Fabrication and Characterizations of a Novel Etched-tapered Single Mode Optical Fiber Ammonia Sensors Integrating PANI/GNF Nanocomposite. Sensors and Actuators B: Chemical, 2019, 287, 71-77.	4.0	41
33	Detection of adulterated honey by surface plasmon resonance optical sensor. Optik, 2018, 168, 134-139.	1.4	40
34	Stable Multiwavelength Erbium-Doped Random Fiber Laser. IEEE Journal of Selected Topics in Quantum Electronics, 2018, 24, 1-6.	1.9	40
35	Wide bandwidth and flat multiwavelength Brillouin-erbium fiber laser. Optics Express, 2017, 25, 19382.	1.7	39
36	Optical absorption and gamma-radiation-shielding parameter studies of Tm3+-doped multicomponent borosilicate glasses. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	1.1	39

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37	Preparation of starch stabilized silver nanoparticles with spatial self-phase modulation properties by laser ablation technique. Applied Physics A: Materials Science and Processing, 2011, 102, 189-194.	1.1	37
38	Dynamic Response of Tapered Optical Multimode Fiber Coated with Carbon Nanotubes for Ethanol Sensing Application. Sensors, 2015, 15, 10452-10464.	2.1	37
39	Tapered optical fiber coated with graphene based nanomaterials for measurement of ethanol concentrations in water. Optical Review, 2015, 22, 385-392.	1.2	37
40	Effects of pump recycling technique on stimulated Brillouin scattering threshold: a theoretical model. Optics Express, 2010, 18, 22339.	1.7	33
41	Multi-wavelength Brillouin-Raman ring-cavity fiber laser with 22-GHz spacing. Laser Physics, 2011, 21, 1656-1660.	0.6	32
42	OSNR variation of multiple laser lines in Brillouin-Raman fiber laser. Optics Express, 2009, 17, 16904.	1.7	31
43	X-BAND MINIATURIZED WIDEBAND BANDPASS FILTER UTILIZING MULTILAYERED MICROSTRIP HAIRPIN RESONATOR. Progress in Electromagnetics Research, 2009, 93, 177-188.	1.6	31
44	Dual-wavelength, mode-locked erbium-doped fiber laser employing a graphene/polymethyl-methacrylate saturable absorber. Optics Express, 2018, 26, 12790.	1.7	31
45	Hydrous ferric oxide-magnetite-reduced graphene oxide nanocomposite for optical detection of arsenic using surface plasmon resonance. Optics and Laser Technology, 2019, 111, 417-423.	2.2	31
46	Experimental investigation of noise in double-pass erbium-doped fiber amplifiers. Laser Physics Letters, 2007, 4, 145-148.	0.6	29
47	Fabrication, characterization and response surface method optimization for quantum efficiency of fluorescent nitrogen-doped carbon dots obtained from carboxymethylcellulose of oil palms empty fruit bunch. Chinese Journal of Chemical Engineering, 2020, 28, 584-592.	1.7	27
48	Direct UV Written Optical Waveguides in Flexible Glass Flat Fiber Chips. IEEE Journal of Selected Topics in Quantum Electronics, 2012, 18, 1534-1539.	1.9	26
49	Multi-wavelength Brillouin-Raman fiber laser utilizing enhanced nonlinear amplifying loop mirror design. Optics Express, 2013, 21, 31800.	1.7	26
50	Optical Nonlinear Refractive Index of Laser-Ablated Gold Nanoparticles Graphene Oxide Composite. Journal of Nanomaterials, 2014, 2014, 1-8.	1.5	26
51	H2 sensor based on tapered optical fiber coated with MnO2 nanostructures. Sensors and Actuators B: Chemical, 2017, 246, 421-427.	4.0	26
52	Physical Properties, Optical band gaps and Radiation Shielding Parameters Exploration for Dy3+-doped Alkali/Mixed Alkali Multicomponent Borate Glasses. Glass Physics and Chemistry, 2018, 44, 279-291.	0.2	26
53	Enhancing the sensitivity of a surface plasmon resonance-based optical sensor for zinc ion detection by the modification of a gold thin film. RSC Advances, 2019, 9, 41729-41736.	1.7	26
54	Brillouin-Erbium fiber laser with enhanced feedback coupling using common Erbium gain section. Optics Express, 2008, 16, 16475.	1.7	25

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55	A Catalyst-Free Growth of ZnO Nanowires on Si (100) Substrates: Effect of Substrate Position on Morphological, Structural and Optical Properties. ECS Journal of Solid State Science and Technology, 2012, 1, P86-P89.	0.9	25
56	Sensitive Leptospira DNA detection using tapered optical fiber sensor. Journal of Biophotonics, 2018, 11, e201700363.	1.1	25
57	Laser ablation synthesis of gold nanoparticles in tetrahydrofuran. Optical Materials Express, 2020, 10, 323.	1.6	25
58	Intracavity loss control effect on tuning range of tunable dual erbium-doped fiber laser. Laser Physics Letters, 2005, 2, 535-537.	0.6	24
59	Broadly tunable multiple wavelength Brillouin fiber laser exploiting erbium amplification. Journal of the Optical Society of America B: Optical Physics, 2009, 26, 1789.	0.9	24
60	Multiwavelength Brillouin fiber laser with enhanced reverse-S-shaped feedback coupling assisted by out-of-cavity optical amplifier. Optics Express, 2011, 19, 21238.	1.7	24
61	Flattening effect of four wave mixing on multiwavelength Brillouin-erbium fiber laser. Applied Physics B: Lasers and Optics, 2013, 112, 215-221.	1.1	24
62	Multi-wavelength generation by self-seeded four-wave mixing. Optics Express, 2013, 21, 6131.	1.7	24
63	Study of single mode tapered fiber-optic interferometer of different waist diameters and its application as a temperature sensor. Journal of the European Optical Society-Rapid Publications, 0, 9, .	0.9	24
64	Switchable Multiwavelength Brillouinâ€“Raman Fiber Laser Utilizing an Enhanced Nonlinear Amplifying Fiber Loop Design. IEEE Photonics Journal, 2018, 10, 1-11.	1.0	24
65	Optical ammonia gas sensor of poly(3,4-polyethylenedioxythiophene), polyaniline and polypyrrole: A comparative study. Synthetic Metals, 2020, 260, 116294.	2.1	24
66	Single-stage gain-clamped L-band EDFA with C-band ASE self-oscillation in ring cavity. Laser Physics Letters, 2008, 5, 126-129.	0.6	23
67	150-Channel Four Wave Mixing Based Multiwavelength Brillouin-Erbium Doped Fiber Laser. IEEE Photonics Journal, 2013, 5, 1501010-1501010.	1.0	23
68	Sensitive and Specific Protein Sensing Using Single-Mode Tapered Fiber Immobilized With Biorecognition Molecules. IEEE Photonics Journal, 2015, 7, 1-9.	1.0	23
69	Reduced Graphene Oxide/Maghemite Nanocomposite for Detection of Hydrocarbon Vapor Using Surface Plasmon Resonance. IEEE Photonics Journal, 2016, 8, 1-9.	1.0	23
70	Experimental evaluation on surface plasmon resonance sensor performance based on sensitive hyperbranched polymer nanocomposite thin films. Sensors and Actuators A: Physical, 2020, 303, 111830.	2.0	23
71	Millimeter wave carrier generation based on a double-Brillouin-frequency spaced fiber laser. Optics Express, 2012, 20, 13402.	1.7	22
72	Enhancement of multiwavelength generation in the L-band by using a novel Brillouin-Erbium fiber laser with a passive EDF booster section. Optics Express, 2007, 15, 11570.	1.7	21

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73	Contribution of Rayleigh scattering on Brillouin comb line generation in Raman fiber laser. Applied Optics, 2010, 49, 3506.	2.1	21
74	All-optical generation of a 21 GHz microwave carrier by incorporating a double-Brillouin frequency shifter. Optics Letters, 2010, 35, 1461.	1.7	21
75	Broadly tunable L-band multiwavelength BEFL utilizing nonlinear amplified loop mirror filter. Optics Express, 2011, 19, 23981.	1.7	21
76	Tunable Raman fiber laser induced by Rayleigh back-scattering in an ultra-long cavity. Journal of the European Optical Society-Rapid Publications, 0, 6, .	0.9	21
77	Effects of taper parameters on free spectral range of nonâ€adiabatic tapered optical fibers for sensing applications. Microwave and Optical Technology Letters, 2016, 58, 798-803.	0.9	21
78	Modified plastic optical fiber with CNT and graphene oxide nanostructured coatings for ethanol liquid sensing. Optics Express, 2017, 25, 5509.	1.7	21
79	Borotellurite Glasses for Gamma-Ray Shielding: An Exploration of Photon Attenuation Coefficients and Structural and Thermal Properties. Journal of Electronic Materials, 2019, 48, 930-941.	1.0	21
80	Utilization of stimulated Raman Scattering as secondary pump on hybrid remotely-pump l-band Raman/erbium-doped fiber amplifier. Laser Physics, 2011, 21, 722-728.	0.6	20
81	Relative Intensity Noise Reduction by Optimizing Fiber Grating Fabryâ€“Perot Laser Parameters. IEEE Journal of Quantum Electronics, 2012, 48, 375-383.	1.0	20
82	Gamma irradiated Py/PVA for GOx immobilization on tapered optical fiber for glucose biosensing. Sensors and Actuators B: Chemical, 2018, 273, 1404-1412.	4.0	20
83	Detection of dengue using PAMAM dendrimer integrated tapered optical fiber sensor. Scientific Reports, 2019, 9, 13483.	1.6	20
84	NOVEL COMPACT "VIA-LESS" ULTRA-WIDE BAND FILTER UTILIZING CAPACITIVE MICROSTRIP PATCH. Progress in Electromagnetics Research, 2009, 91, 213-227.	1.6	19
85	Saturable absorber incorporating graphene oxide polymer composite through dip coating for mode-locked fiber laser. Optical Materials, 2020, 100, 109619.	1.7	19
86	Low threshold characteristics of an L-band Brillouin-erbium comb fiber laser in a linear cavity. Journal of the Optical Society of America B: Optical Physics, 2006, 23, 2281.	0.9	18
87	Optimization of Brillouin pump wavelength location on tunable multiwavelength BEFL. Laser Physics, 2009, 19, 2110-2114.	0.6	18
88	Surface plasmon resonance sensor based on D-shaped optical fiber using fiberbench rotating wave plate for sensing pb ions. Optik, 2020, 202, 163724.	1.4	18
89	Tunable multiwavelength fiber laser based on bidirectional SOA in conjunction with Sagnac loop mirror interferometer. Results in Physics, 2020, 18, 103301.	2.0	18
90	Fiber-based Surface Plasmon Resonance Sensor for Lead Ion Detection in Aqueous Solution. Plasmonics, 2020, 15, 1369-1376.	1.8	18

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91	Investigation of hybrid gain-clamped Raman-fiber-amplifier/EDFA utilizing pump reuse technique. Laser Physics Letters, 2008, 5, 202-205.	0.6	17
92	Investigation on the effect of EDFA location in ring cavity Brillouin-Erbium fiber laser. Optics Express, 2009, 17, 11768.	1.7	17
93	Investigation of Multiwavelength Performance Utilizing an Advanced Mechanism of Bidirectional Lyot Filter. IEEE Photonics Journal, 2013, 5, 7101008-7101008.	1.0	17
94	Reflectance Response of Optical Fiber Coated With Carbon Nanotubes for Aqueous Ethanol Sensing. IEEE Photonics Journal, 2014, 6, 1-10.	1.0	17
95	Low threshold linear cavity mode-locked fiber laser using microfiber-based carbon nanotube saturable absorber. Optics and Laser Technology, 2018, 102, 240-246.	2.2	17
96	Structural, optical and sensing properties of CdS-NH2GO thin film as a dengue virus E-protein sensing material. Optik, 2018, 171, 934-940.	1.4	17
97	Sensing Performance of Modified Single Mode Optical Fiber Coated With Nanomaterials-Based Ammonia Sensors Operated in the C-Band. IEEE Access, 2019, 7, 5467-5476.	2.6	17
98	Ultraâ€wide band microwave filter utilizing quarterâ€wavelength shortâ€circuited stubs. Microwave and Optical Technology Letters, 2008, 50, 2981-2983.	0.9	16
99	Compact Brillouin Fiber Laser Based on Highly Nonlinear Fiber With 51 Double Spacing Channels. IEEE Photonics Journal, 2012, 4, 1087-1094.	1.0	16
100	Absorbance properties of gold coated fiber Bragg grating sensor for aqueous ethanol. Journal of the European Optical Society-Rapid Publications, 0, 9, .	0.9	16
101	Flat amplitude and wide multiwavelength Brillouin/erbium fiber laser based on Fresnel reflection in a micro-air cavity design. Optics Express, 2018, 26, 3124.	1.7	16
102	Dengue E protein detection using graphene oxide integrated tapered optical fiber sensor. IEEE Journal of Selected Topics in Quantum Electronics, 2018, , 1-1.	1.9	16
103	Threshold reduction of stimulated Brillouin scattering in photonic crystal fiber. Laser Physics, 2009, 19, 2194-2196.	0.6	15
104	Optimization of output coupling ratio on the performance of a ring-cavity Brillouin-erbium fiber laser. Applied Optics, 2009, 48, 5055.	2.1	15
105	Implementation of genetic algorithm in an embedded microcontroller-based polarization control system. Engineering Applications of Artificial Intelligence, 2012, 25, 869-873.	4.3	15
106	Wavelength Dependent Graphene Oxide-Based Optical Microfiber Sensor for Ammonia Gas. Sensors, 2021, 21, 556.	2.1	15
107	24-line of Brillouin-Erbium fiber laser utilizing a Fabry-PÃ©rot cavity in L-band. Microwave and Optical Technology Letters, 2005, 45, 165-167.	0.9	14
108	Dual-stage gain-clamped erbium-doped fiber amplifier with fiber Bragg grating. Laser Physics Letters, 2008, 5, 296-299.	0.6	14

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109	High Sensitivity Microfiber Interferometer Sensor in Aqueous Solution. Sensors, 2020, 20, 4713.	2.1	14
110	Dual-function remotely-pumped Erbium-doped fiber amplifier: Loss and dispersion compensator. Optics Express, 2006, 14, 8054.	1.7	13
111	Reduction of gain depletion and saturation on a Brillouin-erbium fiber laser utilizing a Brillouin pump preamplification technique. Applied Optics, 2009, 48, 3424.	2.1	13
112	Effect of output coupling ratio on the performance of ring-cavity Brillouin fiber laser. Laser Physics, 2010, 20, 1618-1624.	0.6	13
113	Investigation of spatial self-phase modulation of silver nanoparticles in clay suspension. Optik, 2011, 122, 836-838.	1.4	13
114	Widely Tunable C $+$ L Bands Multiwavelength BEFL With Double-Brillouin Frequency Shifts. IEEE Photonics Journal, 2012, 4, 1720-1727.	1.0	13
115	Laser Parameter Variations in a Rayleigh Scattering-Based Raman Fiber Laser With Single Fiber Bragg Grating Reflector. IEEE Photonics Journal, 2012, 4, 461-466.	1.0	13
116	Effects of Raman pump power distribution on output spectrum in a multi-wavelength BRFL. Optics Express, 2015, 23, 25570.	1.7	13
117	Microwave Photonic Filter Using Multiwavelength Brillouin-Erbium Fiber Laser. IEEE Photonics Technology Letters, 2015, 27, 65-68.	1.3	13
118	Enhanced flatness of 20 GHz channel spacing multiwavelength Brillouin-Raman fiber laser with sub-millimeter air gap. Optics Express, 2018, 26, 30978.	1.7	13
119	Optical and structural properties of cadmium sulphide quantum dots based thin films as potential sensing material for dengue virus E-protein. Results in Physics, 2018, 11, 734-739.	2.0	13
120	Passively mode-locked ultrashort pulse fiber laser incorporating multi-layered graphene nanoplatelets saturable absorber. Journal of Physics Communications, 2018, 2, 075005.	0.5	13
121	Label-Free Detection of Dissolved Carbon Dioxide Utilizing Multimode Tapered Optical Fiber Coated Zinc Oxide Nanorice. IEEE Access, 2019, 7, 4538-4545.	2.6	13
122	H₂ Gas Sensor Based on Pd/ZnO Nanostructures Deposited on Tapered Optical Fiber. IEEE Sensors Journal, 2020, 20, 2982-2990.	2.4	13
123	A Wide Flat Triple Brillouin Frequency Spacing Multiwavelength Fiber Laser Assisted by Four Wave Mixing. Journal of Lightwave Technology, 2020, 38, 6648-6654.	2.7	13
124	Brillouin-Raman fiber laser with switchable wavelength spacing based on Brillouin pump distribution. Results in Physics, 2021, 25, 104149.	2.0	13
125	Design and Optimization of Surface Plasmon Resonance Spectroscopy for Optical Constant Characterization and Potential Sensing Application: Theoretical and Experimental Approaches. Photonics, 2021, 8, 361.	0.9	13
126	Enhancement of Brillouin stokes powers in multiwavelength fiber laser utilizing band-pass filter. Microwave and Optical Technology Letters, 2004, 40, 408-410.	0.9	12

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127	Monte Carlo Simulation on Breast Cancer Detection Using Wire Mesh Collimator Gamma Camera. IEEE Transactions on Nuclear Science, 2009, 56, 1321-1324.	1.2	12
128	Gain-flattened erbium-doped fiber amplifier with flexible selective band for optical networks. Laser Physics, 2010, 20, 1747-1751.	0.6	12
129	Double Brillouin frequency shift through circulation of odd-order Stokes signal. Applied Optics, 2010, 49, 3956.	2.1	12
130	Broadly tunable multiwavelength fiber laser with bismuth-oxide EDF using large effective area fiber. Laser Physics, 2011, 21, 389-394.	0.6	12
131	Characterization of Turn-On Time Delay in a Fiber Grating Fabryâ€“Perot Lasers. IEEE Photonics Journal, 2012, 4, 1662-1678.	1.0	12
132	Stable double spacing multiwavelength Brillouin-Erbium doped fiber laser based on highly nonlinear fiber. Laser Physics, 2012, 22, 977-981.	0.6	12
133	Preparation of Graphene Oxide Stabilized Nickel Nanoparticles with Thermal Effusivity Properties by Laser Ablation Method. Journal of Nanomaterials, 2013, 2013, 1-9.	1.5	12
134	Switchable single- and dual-wavelength erbium-doped fiber laser assisted by four-wave mixing with wide and continuous tunability. Applied Physics B: Lasers and Optics, 2014, 115, 251-256.	1.1	12
135	Bio-Functionalized Tapered Multimode Fiber Coated With Dengue Virus NS1 Glycoprotein for Label Free Detection of Anti-Dengue Virus NS1 IgG Antibody. IEEE Sensors Journal, 2018, 18, 4066-4072.	2.4	12
136	X-ray photoelectron study on gold/nanocrystalline cellulose-graphene oxide thin film as surface plasmon resonance active layer for metal ion detection. Thin Solid Films, 2020, 713, 138340.	0.8	12
137	Surface refractive index sensor based on titanium dioxide composite thin film for detection of cadmium ions. Measurement: Journal of the International Measurement Confederation, 2022, 187, 110287.	2.5	12
138	Impact of increasing threshold level on higher bit rate inÂfree space optical communications. Journal of Optical and Fiber Communications Research, 2009, 6, 22-34.	0.5	11
139	Single-stage gain-clamped L-band EDFA with C-band ASE saturating tone. Laser Physics, 2009, 19, 1026-1029.	0.6	11
140	A stabilized tunable dual wavelength erbium-doped fiber laser with equal output power. Laser Physics, 2009, 19, 1850-1853.	0.6	11
141	Self-seeded four-wave mixing cascades with low power consumption. Journal of Optics (United) Tj ETQq1 1 0.784314 rgBT /Overlock	1.0	11
142	Enhanced multiwavelength generation in Brillouin fiber laser with pump noise suppression technique. Laser Physics, 2016, 26, 065102.	0.6	11
143	Mechanically deposited tungsten disulfide saturable absorber for low-threshold Q-switched erbium-doped fiber laser. Applied Physics B: Lasers and Optics, 2017, 123, 1.	1.1	11
144	Gasochromic response of optical sensing platform integrated with polyaniline and poly(3,4-ethylenedioxythiophene) exposed to NH3 gas. Polymer, 2020, 192, 122313.	1.8	11

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145	Wide-uniform triple Brillouin frequency spacing multi-wavelength fiber laser assisted by a distributed Raman amplifier. Optics Express, 2019, 27, 26957.	1.7	11
146	Selectable multiwavelength thulium-doped fiber laser based on parallel Lyot filter. Optical Fiber Technology, 2022, 70, 102892.	1.4	11
147	Characterization of a multiwavelength Brillouinâ€“erbium fiber laser based on a linear cavity configuration. Applied Optics, 2005, 44, 2827.	2.1	10
148	High-gain erbium-doped fiber amplifier incorporating a double-pass amplification technique as a preamplifier. Laser Physics, 2008, 18, 460-463.	0.6	10
149	Opto-optical gain-clamped L-band erbium-doped fiber amplifier with C-band control signal. Applied Optics, 2009, 48, 2340.	2.1	10
150	Efficient technique for intracavity loss optimization in a dual-wavelength erbium-doped fiber laser. Laser Physics, 2010, 20, 2001-2005.	0.6	10
151	Particle swarm optimization on threshold exponential gain of stimulated Brillouin scattering in single mode fibers. Optics Express, 2011, 19, 1842.	1.7	10
152	Multiwavelength L-band fiber laser with bismuth-oxide EDF andÂphotonic crystal fiber. Applied Physics B: Lasers and Optics, 2011, 103, 363-368.	1.1	10
153	Rayleigh-Based Raman Fiber Laser With Passive Erbium-Doped Fiber for Secondary Pumping Effect in Remote L-Band Erbium-Doped Fiber Amplifier. IEEE Photonics Journal, 2012, 4, 1042-1050.	1.0	10
154	Bidirectional-pumped L-band erbium-doped fiber amplifier with pump distribution technique. Laser Physics, 2012, 22, 1252-1256.	0.6	10
155	Performance evaluation of a bilayer SPR-based fiber optic RI sensor with TiO2 using FDTD solutions. Photonic Sensors, 2014, 4, 289-294.	2.5	10
156	Optical Band Gap and Thermal Diffusivity of Polypyrrole-Nanoparticles Decorated Reduced Graphene Oxide Nanocomposite Layer. Journal of Nanomaterials, 2016, 2016, 1-8.	1.5	10
157	Reduced Graphene Oxide/Maghemite Nanocomposite for Detection of Lead Ions in Water Using Surface Plasmon Resonance. IEEE Photonics Journal, 2018, 10, 1-10.	1.0	10
158	Enhancement and reproducibility of high quality factor, one-dimensional photonic crystal/photonic wire (1D PhC/PhW) microcavities. Journal of the European Optical Society-Rapid Publications, 2018, 14, .	0.9	10
159	Investigation on factors influencing flatness of a bidirectional SOA-based multiwavelength fiber laser. Infrared Physics and Technology, 2021, 112, 103593.	1.3	10
160	Gain-flattened extended L-band EDFA with 43 nm bandwidth suitable for high signal powers. Optics Communications, 2004, 234, 229-233.	1.0	9
161	â€œVia-Lessâ€•UWB Filter Using Patched Microstrip Stubs. Journal of Electromagnetic Waves and Applications, 2009, 23, 377-388.	1.0	9
162	Design and Development of Wireless Communication Transceiver to Support RFID Reader at UHF Band. Journal of Electromagnetic Waves and Applications, 2010, 24, 2063-2075.	1.0	9

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163	Characterization of small-signal intensity modulation of single-mode fiber grating Fabry-Perot laser source. Optical Review, 2012, 19, 64-70.	1.2	9
164	Gamma-Ray Shielding Effectiveness of Lead Bismuth Germanoborate Glasses. Glass Physics and Chemistry, 2018, 44, 292-299.	0.2	9
165	Effect of Sodium Hydroxide Concentration in Synthesizing Zinc Selenide/Graphene Oxide Composite via Microwave-Assisted Hydrothermal Method. Materials, 2019, 12, 2295.	1.3	9
166	Low-noise 1480-nm pumped L-band erbium-doped fibre amplifiers incorporating a bypass isolator. Optics Communications, 2004, 237, 295-299.	1.0	8
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