

# Salah Obayya

## List of Publications by Year in descending order

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334  
papers

4,625  
citations

101496

36  
h-index

189801

50  
g-index

345  
all docs

345  
docs citations

345  
times ranked

2160  
citing authors

#	ARTICLE	IF	CITATIONS
1	Wavelength-selective metamaterial absorber based on 2D split rhombus grating for thermophotovoltaic solar cell. <i>Optical and Quantum Electronics</i> , 2022, 54, 1.	1.5	6
2	Pseudo-spectral approach for extracting optical solitons of the complex Ginzburg Landau equation with six nonlinearity forms. <i>Optik</i> , 2022, 254, 168662.	1.4	6
3	Optical cryptosystem for visually meaningful encrypted images based on gyrator transform and HÄnon map. <i>Optical and Quantum Electronics</i> , 2022, 54, 1.	1.5	10
4	Electrical performance of efficient quad-crescent-shaped Si nanowire solar cell. <i>Scientific Reports</i> , 2022, 12, 48.	1.6	8
5	Highly Sensitive Multi-Functional Plasmonic Biosensor Based on Dual Core Photonic Crystal Fiber. <i>IEEE Sensors Journal</i> , 2022, 22, 6731-6738.	2.4	16
6	Design and analysis of a nano-rectenna based on multi-insulator tunnel barrier for solar energy harvesting. <i>Optical and Quantum Electronics</i> , 2022, 54, 1.	1.5	2
7	Efficient Partial Discharge Detection by Plasmonic Photonic Crystal Fiber Sensor With Bimetallic Grating. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2022, 29, 478-484.	1.8	3
8	Ultra-compact SOS-based bi-metallic TM-pass polarizer. <i>Optical and Quantum Electronics</i> , 2022, 54, 1.	1.5	1
9	Efficient plasmonic line-up filter for sensing applications. <i>Optical and Quantum Electronics</i> , 2022, 54, 1.	1.5	3
10	Plasmonic photonic crystal fiber sensor for optical partial discharge detection. <i>Optical and Quantum Electronics</i> , 2022, 54, .	1.5	6
11	Low loss hybrid plasmonic photonic crystal waveguide for optical communication applications. <i>Optical and Quantum Electronics</i> , 2022, 54, .	1.5	2
12	Highly birefringent slotted core photonic crystal fiber for terahertz waveguiding. <i>Optical and Quantum Electronics</i> , 2021, 53, 1.	1.5	5
13	Efficient Scalar Bidirectional Beam Propagation Analysis for Photonic Devices With Circular Symmetry. <i>IEEE Photonics Technology Letters</i> , 2021, 33, 43-46.	1.3	3
14	Unveiling Antimicrobial Activity of Metal Iodide (CuI, AgI, and PbI <sub>2</sub> ) Nanoparticles: Towards Biomedical Surfaces Applications. <i>Journal of Cluster Science</i> , 2021, 32, 1-16.	1.7	21
15	Tunable polarization splitter based on asymmetric dual-core liquid photonic crystal fiber. <i>Optical and Quantum Electronics</i> , 2021, 53, 1.	1.5	9
16	Highly efficient transmissive metasurface for polarization control. <i>Optical and Quantum Electronics</i> , 2021, 53, 1.	1.5	6
17	Improvement of sectoral horn nanoantenna based on arc directors for point to point communications. <i>Optical and Quantum Electronics</i> , 2021, 53, 1.	1.5	2
18	Highly efficient SiO <sub>2</sub> trapezoidal grating-based thin-film solar cell. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2021, 38, 922.	0.9	9

#	ARTICLE	IF	CITATIONS
19	Characteristics of thermophotovoltaic emitter based on 2D cylindrical gear grating. Optical and Quantum Electronics, 2021, 53, 1.	1.5	7
20	Highly efficient modified dual D-shaped PCF polarization filter. Optical Fiber Technology, 2021, 62, 102459.	1.4	12
21	Analysis of highly efficient quad-crescent-shaped Si nanowires solar cell. Optics Express, 2021, 29, 13641.	1.7	11
22	Highly sensitive photonic crystal gamma ray dosimeter. Optical and Quantum Electronics, 2021, 53, 1.	1.5	10
23	Efficient tunable plasmonic mode converters infiltrated with nematic liquid crystal layers. Optical and Quantum Electronics, 2021, 53, 1.	1.5	1
24	Tunable liquid crystal asymmetric dual-core photonic crystal fiber mode converter. Applied Optics, 2021, 60, 7671.	0.9	4
25	Highly efficient ultrathin broadband quarter-waveplate based on plasmonic metasurface. Optik, 2021, 239, 166770.	1.4	5
26	Mid-infrared optical modulator based on silicon D-shaped photonic crystal fiber with VO <sub>2</sub> material. Applied Optics, 2021, 60, 9488.	0.9	5
27	MIR optical modulator based on silicon-on-calcium fluoride platform with VO <sub>2</sub> material. Optical and Quantum Electronics, 2021, 53, 1.	1.5	5
28	DESIGN AND ANALYSIS OF RECTANGULAR SPIRAL NANO-ANTENNA FOR SOLAR ENERGY HARVESTING. Progress in Electromagnetics Research C, 2021, 111, 25-34.	0.6	1
29	Highly Sensitive Metamaterial Biosensor for Cancer Early Detection. IEEE Sensors Journal, 2021, 21, 7748-7755.	2.4	51
30	Modeling and characteristics of a nanostructured NiO/GeSe core-shell perovskite solar cell. Journal of the Optical Society of America B: Optical Physics, 2021, 38, 3441.	0.9	2
31	Basis expansion model for tracking and equalizing rapidly varying multimode fiber channels. Optical Fiber Technology, 2021, 67, 102695.	1.4	0
32	Thermal absorber with epsilon-near-zero metamaterial based on 2D square spiral design. Journal of the Optical Society of America B: Optical Physics, 2021, 38, 3878.	0.9	1
33	Electrochemical capacitive performance of thermally evaporated Al-doped CuI thin films. RSC Advances, 2021, 11, 39262-39269.	1.7	12
34	Electrical characteristics of modified truncated cone nanowire for efficient light trapping. Photonics and Nanostructures - Fundamentals and Applications, 2020, 38, 100761.	1.0	6
35	Highly negative dispersion dual-core liquid crystal photonic crystal fiber. Optical Fiber Technology, 2020, 60, 102330.	1.4	10
36	Light absorption enhancement in ultrathin film solar cell with embedded dielectric nanowires. Scientific Reports, 2020, 10, 17534.	1.6	22

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37	Efficient modeling techniques for plasmonic and photonic devices. EPJ Web of Conferences, 2020, 238, 01008.	0.1	0
38	Matrix-Free Time Domain Gradient Smoothing Method With Stretched-Coordinates Perfectly Matched Layer for Analysis of Photonic Devices. Journal of Lightwave Technology, 2020, 38, 5791-5800.	2.7	1
39	Compact optical asymmetric cryptosystem based on unequal modulus decomposition of multiple color images. Optics and Lasers in Engineering, 2020, 129, 106063.	2.0	26
40	Maximum emission levels of photonic generated impulse radio waveforms under spectral constraints. Optik, 2020, 206, 164266.	1.4	1
41	Ultracompact tunable bifunctional XOR and XNOR photonic crystal logic gates. Optical Engineering, 2020, 59, 1.	0.5	9
42	Broadband directional rhombic nanoantenna for optical wireless communications systems. Journal of the Optical Society of America B: Optical Physics, 2020, 37, 1183.	0.9	13
43	On modeling of plasmonic devices: overview. Journal of the Optical Society of America B: Optical Physics, 2020, 37, A163.	0.9	13
44	Terahertz photonic crystal fiber polarization rotator. Journal of the Optical Society of America B: Optical Physics, 2020, 37, 2865.	0.9	7
45	Characteristics of silicon nanowire solar cells with a crescent nanohole. Optics Express, 2020, 28, 31020.	1.7	15
46	Extended source of indistinguishable polarization-entangled photons over wide angles of emission. Applied Physics Letters, 2020, 117, .	1.5	1
47	Surface roughness effect on characteristics of Si nanowire solar cell. Journal of Photonics for Energy, 2020, 10, .	0.8	5
48	Fundamentals of Photonic Crystals. , 2019, , 29-52.		1
49	Multifunctional Plasmonic Photonic Crystal Fiber Biosensors. , 2019, , 233-260.		4
50	Basic Principles of Surface Plasmon Resonance. , 2019, , 53-72.		4
51	Basic Principles of Biosensing. , 2019, , 91-105.		0
52	Finite Element Method for Sensing Applications. , 2019, , 109-151.		2
53	Optimization of intensities and locations of diffuse spots in indoor optical wireless communications. Optical Switching and Networking, 2019, 33, 177-183.	1.2	3
54	Silicon Nanowires for DNA Sensing. , 2019, , 321-342.		1

#	ARTICLE	IF	CITATIONS
55	Introduction to Optical Waveguides. , 2019, , 3-27.		0
56	Introduction to Silicon Photonics. , 2019, , 73-90.		0
57	Temperature Sensors Based on Plasmonic Photonic Crystal Fiber. , 2019, , 179-201.		7
58	Ultra-wideband circularly polarized crossed dual-arm bowtie dipole antenna backed by an artificial magnetic conductor. Microwave and Optical Technology Letters, 2019, 61, 2801-2810.	0.9	4
59	Multi-functional photonic crystal fiber splitter for the two communication bands. Optical Fiber Technology, 2019, 52, 101986.	1.4	12
60	Highly Sensitive Terahertz Metamaterial Sensor. IEEE Sensors Journal, 2019, 19, 7993-7999.	2.4	197
61	Chaotic Polarization-Assisted $\{L\}$ DPSK-MPPM Modulation for Free-Space Optical Communications. IEEE Transactions on Wireless Communications, 2019, 18, 4225-4237.	6.1	17
62	Analysis of photonic crystal fiber with silicon core for efficient supercontinuum generation. Optik, 2019, 182, 848-857.	1.4	10
63	Modified D-shaped SPR PCF polarization filter at telecommunication wavelengths. Optical and Quantum Electronics, 2019, 51, 1.	1.5	21
64	Highly sensitive photonic crystal fiber gas sensor. Optik, 2019, 188, 78-86.	1.4	26
65	Highly tunable compact polarization rotator based on silicon on insulator platform. Optical and Quantum Electronics, 2019, 51, 1.	1.5	3
66	Quantum Effects In Imaging Nano-Structures Using Photon-Induced Near-Field Electron Microscopy. Scientific Reports, 2019, 9, 6139.	1.6	3
67	Effect of Yagi-Uda nano-antenna element shape on the directivity and radiation efficiency. Optical and Quantum Electronics, 2019, 51, 1.	1.5	5
68	Characterization of annealed N,N'-diphenyl-N,N'-di-p-tolylbenzene-1,4-diamine nanostructured thin films. Journal of Materials Science: Materials in Electronics, 2019, 30, 5030-5037.	1.1	1
69	Highly sensitive SPR PCF biosensors based on Ag/TiN and Ag/ZrN configurations. Optical and Quantum Electronics, 2019, 51, 1.	1.5	30
70	Design considerations of highly efficient D-shaped plasmonic biosensor. Optical and Quantum Electronics, 2019, 51, 1.	1.5	12
71	Fast parallel beam propagation method based on multi-core and many-core architectures. Optik, 2019, 180, 484-491.	1.4	11
72	Multifunctional surface plasmon resonance photonic-crystal fiber polarization filter at telecommunication wavelengths. Journal of Nanophotonics, 2019, 13, 1.	0.4	4

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73	Novel optical gas sensor based on photonic crystal fiber. , 2019, , .		3
74	CMOS-compatible hybrid bi-metallic TE/TM-pass polarizers based on ITO and ZrN. Applied Optics, 2019, 58, 6684.	0.9	5
75	Optoelectronic performance of a modified nanopyramid solar cell. Journal of the Optical Society of America B: Optical Physics, 2019, 36, 357.	0.9	15
76	Ultracompact AZO-based TE-pass and TM-pass hybrid plasmonic polarizers. Journal of the Optical Society of America B: Optical Physics, 2019, 36, 652.	0.9	20
77	Compact and efficient 2D and 3D designs for photonic-to-plasmonic coupler. Journal of the Optical Society of America B: Optical Physics, 2019, 36, 1402.	0.9	5
78	Ultrabroadband absorber based on a funnel-shaped anisotropic metamaterial. Journal of the Optical Society of America B: Optical Physics, 2019, 36, 2889.	0.9	17
79	Hybrid Si-VO <sub>2</sub> modulator with ultra-high extinction ratio based on slot TM mode. Optics Express, 2019, 27, 37454.	1.7	12
80	Design of photonic crystal fiber for efficient supercontinuum generation. , 2019, , .		0
81	Multi-functional plasmonic bio-sensor based on alcohol-filled PCF. , 2019, , .		0
82	Characteristics of modified nanopyramid silicon solar cell. , 2019, , .		0
83	Metallo-dielectric Yagi-Uda nanoantennas based on rectangular shaped elements. , 2019, , .		0
84	Compact polarization splitter based on plasmonic micro-structured fiber. , 2019, , .		0
85	Characteristics of asymmetrical tapered nano-cone solar cell. , 2019, , .		1
86	Bimetallic surface plasmon resonance photonic crystal fiber biosensor using refractory plasmonic material. , 2019, , .		1
87	Smoothed finite element method for time dependent analysis of quantum resonance devices. Optical and Quantum Electronics, 2018, 50, 1.	1.5	3
88	Broadband light trapping in nanotextured thin film photovoltaic devices. Applied Surface Science, 2018, 446, 74-82.	3.1	22
89	Highly sensitive photonic crystal fiber biosensor based on titanium nitride. Optical and Quantum Electronics, 2018, 50, 1.	1.5	39
90	Nearly perfect metamaterial plasmonic absorbers for solar energy applications. Optical and Quantum Electronics, 2018, 50, 1.	1.5	19

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91	On the performance evaluation of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="mml78" display="inline" overflow="scroll" altimg="si1.gif" \rangle \langle \text{mml:mi} \rangle L \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ QAM-MPPM techniques over exponentiated Weibull fading free-space optical channels. <i>Optics Communications</i> , 2018, 416, 41-49.	1.0	16
92	Label free detection for DNA hybridization using surface plasmon photonic crystal fiber biosensor. <i>Optical and Quantum Electronics</i> , 2018, 50, 1.	1.5	16
93	Simultaneous concealment of time delay signature in chaotic nanolaser with hybrid feedback. <i>Optics and Lasers in Engineering</i> , 2018, 107, 342-351.	2.0	24
94	Characterization of Asymmetric Tapered Dipole Nanoantenna for Energy Harvesting Applications. <i>Plasmonics</i> , 2018, 13, 503-510.	1.8	20
95	Optimization of locations of diffusion spots in indoor optical wireless local area networks. <i>Optics Communications</i> , 2018, 410, 577-584.	1.0	2
96	Accurate calculation of Goos-Hänchen shift at critical angle for complex laser beam profiles using beam propagation method. <i>Optik</i> , 2018, 157, 1106-1114.	1.4	9
97	Enhanced sensitivity of hemoglobin sensor using dual-core photonic crystal fiber. <i>Optical and Quantum Electronics</i> , 2018, 50, 1.	1.5	23
98	Si-core photonic crystal fiber transverse-electric pass polarizer. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2018, 35, 980.	0.9	9
99	Reconfigurable coupler-based metallic photonic crystal lens and nematic liquid crystal. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2018, 35, 2459.	0.9	5
100	Intensity modulation lens on the basis of nano-scale golden rods and liquid crystal layer. <i>Optical and Quantum Electronics</i> , 2018, 50, 1.	1.5	6
101	Optimization of Photonic Crystal Polarization Handling Devices Using Trust Region Algorithms. <i>Journal of Lightwave Technology</i> , 2018, , 1-1.	2.7	0
102	Highly wavelength-selective asymmetric dual-core liquid photonic crystal fiber polarization splitter. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2018, 35, 1020.	0.9	44
103	Optical and electrical properties of nanostructured N,N $\epsilon^2$ -diphenyl-N,N $\epsilon^2$ -di-p-tolylbenzene-1,4-diamine organic thin films. <i>Applied Physics A: Materials Science and Processing</i> , 2018, 124, 1.	1.1	15
104	Design considerations of super-directive nanoantennas for core-shell nanowires. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2018, 35, 182.	0.9	26
105	Thermal and electrical characterization of indium phthalocyanine chloride bulk structure. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 17750-17763.	1.1	6
106	Optimization of highly efficient random grating thin-film solar cell using modified gravitational search algorithm and particle swarm optimization algorithm. <i>Journal of Nanophotonics</i> , 2018, 12, 1.	0.4	2
107	Conical structures for highly efficient solar cell applications. <i>Journal of Nanophotonics</i> , 2018, 12, 1.	0.4	22
108	Characteristics of highly efficient star-shaped nanowires solar cell. <i>Journal of Photonics for Energy</i> , 2018, 8, 1.	0.8	18

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109	Electrical characteristics of silicon nanowires solar cells with surface roughness. , 2018, , .		2
110	Detection of DNA hybridization by hybrid alternative plasmonic biosensor. , 2018, , .		1
111	Analysis of highly sensitive surface plasmon photonic crystal fiber biosensor. , 2018, , .		1
112	Optimization of photonic crystal fiber biosensor by particle swarm algorithm. , 2018, , .		0
113	Novel ultra low power optical memory using liquid crystal. , 2018, , .		0
114	Transmission of polarization quantum state through a fiber optic channel by swapped time-bin state. , 2018, , .		0
115	Highly efficient multiplexer demultiplexer based on liquid crystal channels. , 2018, , .		0
116	Highly sensitive photonic crystal fiber biosensor based on alternative plasmonic material. , 2018, , .		0
117	Suppressed time delay signature in chaotic nanolasers with hybrid feedback. , 2018, , .		1
118	Ultra compact soft glass liquid photonic crystal polarization splitter with As <sub>2</sub> S <sub>3</sub> core. Optical and Quantum Electronics, 2017, 49, 1.	1.5	14
119	Competitiveness of the BPM in studying the optical beams at critical incidence on dielectric interfaces. Optical and Quantum Electronics, 2017, 49, 1.	1.5	10
120	Multi-functional optical sensor based on plasmonic photonic liquid crystal fibers. Optical and Quantum Electronics, 2017, 49, 1.	1.5	43
121	Controlled optical photonic crystal AND gate using nematic liquid crystal layers. Optical and Quantum Electronics, 2017, 49, 1.	1.5	27
122	Ultrashort hybrid plasmonic transverse electric pass polarizer for silicon-on-insulator platform. Optical Engineering, 2017, 56, 017107.	0.5	11
123	Relative-phase and time-delay maps all over the emission cone of hyperentangled photon source. Optical Engineering, 2017, 56, 026114.	0.5	11
124	Effective modelling of silicon nanowire solar cells. , 2017, , .		6
125	Surface plasmon photonic crystal fiber biosensor for glucose monitoring. , 2017, , .		11
126	Full 3D electromagnetic wave analysis using 2D simulation. , 2017, , .		2



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127	Broadband Absorption Enhancement in Modified Grating Thin-Film Solar Cell. IEEE Photonics Journal, 2017, 9, 1-14.	1.0	20
128	PadÃ© boundary conditions for finite element time domain beam propagation method. , 2017, , .		0
129	Light absorption enhancement in thin film hydrogenated amorphous Si solar cells. , 2017, , .		0
130	Intersecting silicon nano-walls with planar nano-gold layers for solar energy harvesting. , 2017, , .		0
131	Modified Trust Region Algorithm for Dispersion Optimization of Photonic Crystal Fibers. Journal of Lightwave Technology, 2017, 35, 3810-3818.	2.7	7
132	Modified BPM for plasmonic modeling. , 2017, , .		1
133	Ultracompact Polarization Rotator Based on Liquid Crystal Channel on Silicon. Journal of Lightwave Technology, 2017, 35, 2190-2199.	2.7	12
134	Reconfigurable Unidirectional Photonic Crystal Using Liquid Crystal Layer. IEEE Photonics Journal, 2017, 9, 1-9.	1.0	3
135	Highly sensitive face-shaped label-free photonic crystal refractometer for glucose concentration monitoring. Optical and Quantum Electronics, 2017, 49, 1.	1.5	34
136	Highly Efficient Solid Gear-Shaped Silicon Nanowire for Solar Energy Harvesting. IEEE Photonics Technology Letters, 2017, 29, 205-208.	1.3	6
137	Efficiency of opportunistic cellular/LiFi traffic offloading. , 2017, , .		2
138	Performance analysis of visible light communication systems over fading channels. , 2017, , .		2
139	Orthogonal quasi-phase-matched superlattice for generation of hyperentangled photons. Scientific Reports, 2017, 7, 4169.	1.6	12
140	Label-Free Highly Sensitive Hybrid Plasmonic Biosensor for the Detection of DNA Hybridization. Journal of Lightwave Technology, 2017, 35, 4851-4858.	2.7	39
141	Time delay signature of chaotic nanolasers and its concealment. , 2017, , .		1
142	Coupling Enhancement of Plasmonic Liquid Photonic Crystal Fiber. Plasmonics, 2017, 12, 1529-1535.	1.8	11
143	Average SER of MPPM technique over exponentiated Weibull fading FSO channels considering fog and beam divergence. , 2017, , .		0
144	Super directive Yagi-Uda nanoantennas with an ellipsoid reflector for optimal radiation emission. Journal of the Optical Society of America B: Optical Physics, 2017, 34, 2041.	0.9	23

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145	Optimal design of vertical silicon nanowires solar cell using hybrid optimization algorithm. Journal of Photonics for Energy, 2017, 8, 1.	0.8	23
146	Optical Nano-Antennas for Energy Harvesting. , 2017, , 161-196.		4
147	Hyperentangled Photons Generation Using Crossed Quasi-Phase-Matched Superlattice. , 2017, , .		0
148	Optimized tapered dipole nanoantenna as efficient energy harvester. Optics Express, 2016, 24, A1107.	1.7	37
149	Evaluation of power efficiency of hybrid modulation techniques. , 2016, , .		4
150	Design of highly sensitive multichannel bimetallic photonic crystal fiber biosensor. Journal of Nanophotonics, 2016, 10, 046016.	0.4	48
151	Chaotic DPSK-MPPM modulation technique for a physically secure and highly robust optical communication system. , 2016, , .		1
152	A new technique for ultrafast physical random number generation using optical chaos. Proceedings of SPIE, 2016, , .	0.8	3
153	Hybrid silicon plasmonic-based TE-pass polarization filter for SOI platform. Proceedings of SPIE, 2016, , .	0.8	1
154	Effect of Chloride Depletion on the Magnetic Properties and the Redox Leveling of the Oxygen-Evolving Complex in Photosystem II. Journal of Physical Chemistry B, 2016, 120, 4243-4248.	1.2	30
155	CMOS compatible TE-pass polarizer based on SOI platform. , 2016, , .		1
156	Ultra-compact plasmonic polarization splitter based on dual-core D-shaped PCF. , 2016, , .		1
157	Modified elliptical nanoantenna for energy harvesting applications. , 2016, , .		2
158	Compact SOI polarization rotator based on asymmetric Silicon waveguide. , 2016, , .		0
159	Optimization of nanoantenna for solar energy harvesting based on particle swarm technique. , 2016, , .		2
160	Novel multichannel surface plasmon resonance photonic crystal fiber biosensor. Proceedings of SPIE, 2016, , .	0.8	3
161	Broadband nearly perfect visible plasmonic absorber. , 2016, , .		1
162	An efficient pseudo-spectral method based on rational-Chebyshev and Chebyshev functions for optical waveguides analysis. , 2016, , .		0

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163	Broadband Omnidirectional Nearly Perfect Plasmonic Absorber For Solar Energy Harvesting. IEEE Photonics Journal, 2016, 8, 1-18.	1.0	29
164	Numerical analysis of ultrafast physical random number generator using dual-channel optical chaos. Optical Engineering, 2016, 55, 094105.	0.5	12
165	Why Do Field-Based Methods Fail to Model Plasmonics?. IEEE Photonics Journal, 2016, 8, 1-13.	1.0	8
166	Ultrabroadband Supercontinuum Generation Through Photonic Crystal Fiber With As <sub>2</sub> S <sub>3</sub> Chalcogenide Core. Journal of Lightwave Technology, 2016, 34, 5423-5430.	2.7	19
167	Highly Directive Hybrid Yagi-Uda Nanoantenna for Radiation Emission Enhancement. IEEE Photonics Journal, 2016, 8, 1-12.	1.0	34
168	Efficient rational Chebyshev pseudo-spectral method with domain decomposition for optical waveguides modal analysis. Optics Express, 2016, 24, 10495.	1.7	13
169	Performance evaluation of hybrid DPSK-MPPM techniques in long-haul optical transmission. Applied Optics, 2016, 55, 5614.	2.1	13
170	Self-Calibration Highly Sensitive Photonic Crystal Fiber Biosensor. IEEE Photonics Journal, 2016, 8, 1-12.	1.0	44
171	Encoding classical bits in the arrival time of dense-coded photons. Proceedings of SPIE, 2016, , .	0.8	1
172	Novel Plasmonic Data Storage Based on Nematic Liquid Crystal Layers. Journal of Lightwave Technology, 2016, 34, 3726-3732.	2.7	21
173	Accurate relative-phase and time-delay maps all over the emission cone of hyperentangled photon source. , 2016, , .		1
174	Characterization of one dimensional liquid crystal photonic crystal structure. Optik, 2016, 127, 8774-8781.	1.4	13
175	Efficient and accurate modelling of quantum nanostructures. Proceedings of SPIE, 2016, , .	0.8	0
176	Metaheuristic algorithms for dispersion optimization of photonic crystal fibers. Optical and Quantum Electronics, 2016, 48, 1.	1.5	16
177	Multichannel photonic crystal fiber surface plasmon resonance based sensor. Optical and Quantum Electronics, 2016, 48, 1.	1.5	108
178	Funnel-shaped silicon nanowire for highly efficient light trapping. Optics Letters, 2016, 41, 1010.	1.7	49
179	Modelling of quantum confinement in optical nanostructures. Journal of Optics (United Kingdom), 2016, 18, 015201.	1.0	6
180	Titanium Nitride-Based CMOS-Compatible TE-Pass and TM-Pass Plasmonic Polarizers. IEEE Photonics Technology Letters, 2016, 28, 367-370.	1.3	26

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181	Ultra-compact liquid crystal dual core photonic crystal fibre multiplexer-demultiplexer. IET Optoelectronics, 2016, 10, 21-27.	1.8	6
182	Highly Sensitive Plasmonic Photonic Crystal Temperature Sensor Filled With Liquid Crystal. IEEE Photonics Technology Letters, 2016, 28, 59-62.	1.3	92
183	Optimised diffusion spots™ locations for simultaneous improvement in SNR and delay spread. Photonic Network Communications, 2016, 31, 172-182.	1.4	8
184	Ultrahigh Soliton Pulse Compression Through Liquid Crystal Photonic Crystal Fiber. IEEE Journal of Selected Topics in Quantum Electronics, 2016, 22, 302-309.	1.9	10
185	Analysis of ultra-high birefringent fully-anisotropic photonic crystal fiber. Optical and Quantum Electronics, 2015, 47, 2993-3007.	1.5	10
186	Polarization-Independent Surface Plasmon Liquid Crystal Photonic Crystal Multiplexer-Demultiplexer. IEEE Photonics Journal, 2015, 7, 1-10.	1.0	42
187	Broadband absorption enhancement in periodic structure plasmonic solar cell. Optical and Quantum Electronics, 2015, 47, 1487-1494.	1.5	21
188	Iodide-Capped PbS Quantum Dots: Full Optical Characterization of a Versatile Absorber. Advanced Materials, 2015, 27, 1533-1539.	11.1	14
189	Ultra-high tunable liquid crystal-plasmonic photonic crystal fiber polarization filter. Optics Express, 2015, 23, 7007.	1.7	94
190	Porous core photonic crystal fibre with metal-coated central hole for terahertz applications. IET Optoelectronics, 2015, 9, 37-42.	1.8	4
191	Design of UWB antenna using reconfigurable optical router. Optical and Quantum Electronics, 2015, 47, 2675-2688.	1.5	7
192	Light harvesting improvement of polymer solar cell through nanohole photoactive layer. Optical and Quantum Electronics, 2015, 47, 1443-1449.	1.5	11
193	Efficient Polarization Filter Design Based on Plasmonic Photonic Crystal Fiber. Journal of Lightwave Technology, 2015, 33, 2868-2875.	2.7	50
194	Ultra-compact resonant tunneling-based TE-pass and TM-pass polarizers for SOI platform. Optics Letters, 2015, 40, 1061.	1.7	38
195	Efficient smoothed finite element time domain analysis for photonic devices. Optics Express, 2015, 23, 22199.	1.7	15
196	Tunable spatial-spectral phase compensation of type-I (ooe) hyperentangled photons. Journal of the Optical Society of America B: Optical Physics, 2015, 32, 445.	0.9	11
197	Simultaneous Suppression of Time-Delay Signature in Intensity and Phase of Dual-Channel Chaos Communication. IEEE Journal of Quantum Electronics, 2015, 51, 1-9.	1.0	36
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