

Ali Rostami

List of Publications by Year in descending order

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all docs

296
docs citations

296
times ranked

1486
citing authors

#	ARTICLE	IF	CITATIONS
1	An ultra compact photonic crystal wavelength division demultiplexer using resonance cavities in a modified Y-branch structure. <i>Optik</i> , 2011, 122, 1481-1485.	2.9	118
2	Tb/s Optical Logic Gates Based on Quantum-Dot Semiconductor Optical Amplifiers. <i>IEEE Journal of Quantum Electronics</i> , 2010, 46, 354-360.	1.9	98
3	Plasmon-enhanced performance of an ultrathin silicon solar cell using metal-semiconductor core-shell hemispherical nanoparticles and metallic back grating. <i>Applied Optics</i> , 2016, 55, 1779.	2.1	51
4	Ion-acoustic solitons in a plasma with a relativistic electron beam. <i>Physics of Plasmas</i> , 2001, 8, 4753-4761.	1.9	42
5	Full optical analog to digital (A/D) converter based on Kerr-like nonlinear ring resonator. <i>Optics Communications</i> , 2003, 228, 39-48.	2.1	40
6	Analysis of the light trapping effect on the performance of silicon-based solar cells: absorption enhancement. <i>Applied Optics</i> , 2015, 54, 3591.	2.1	40
7	Terahertz Technology. <i>Lecture Notes in Electrical Engineering</i> , 2011, , .	0.4	37
8	Trap engineering in solution processed PbSe quantum dots for high-speed MID-infrared photodetectors. <i>Journal of Materials Chemistry C</i> , 2019, 7, 5658-5669.	5.5	36
9	Investigation of electronic and optical properties of (CdSe/ZnS/CdSe/ZnS) quantum dotâ€“quantum well heteronanocrystal. <i>Journal of Nanoparticle Research</i> , 2011, 13, 1197-1205.	1.9	33
10	Terahertz band pass filter design using multilayer metamaterials. <i>Optical and Quantum Electronics</i> , 2020, 52, 1.	3.3	32
11	A new proposal for Si tandem solar cell: Significant efficiency enhancement in 3Câ€“SiC/Si. <i>Optik</i> , 2014, 125, 1292-1296.	2.9	31
12	A novel proposal for ultra-high optical nonlinearity in GaN/AlGaIn spherical centered defect quantum dot (SCDQD). <i>Microelectronics Journal</i> , 2007, 38, 342-351.	2.0	30
13	Nanostructure Semiconductor Optical Amplifiers. <i>Engineering Materials</i> , 2011, , .	0.6	29
14	Comparative study between LPFG- and FBG-based bending sensors. <i>Optics Communications</i> , 2014, 312, 99-105.	2.1	29
15	Piecewise linear integrated optical device as an optical isolator using two-port nonlinear ring resonators. <i>Optics and Laser Technology</i> , 2007, 39, 1059-1065.	4.6	28
16	ASYMPTOTIC ITERATION METHOD: A POWERFUL APPROACH FOR ANALYSIS OF INHOMOGENEOUS DIELECTRIC SLAB WAVEGUIDES. <i>Progress in Electromagnetics Research B</i> , 2008, 4, 171-182.	1.0	27
17	3-D Numerical Analysis of Smithâ€“Purcell-Based Terahertz Wave Radiation Excited by Effective Surface Plasmon. <i>Journal of Lightwave Technology</i> , 2015, 33, 4640-4647.	4.6	27
18	All-Optical Multi-Mode Interference Switch Using Non-Linear Directional Coupler as a Passive Phase Shifter. <i>Fiber and Integrated Optics</i> , 2011, 30, 139-150.	2.5	26

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19	Low threshold and tunable all-optical switch using two-photon absorption in array of nonlinear ring resonators coupled to MZI. <i>Microelectronics Journal</i> , 2006, 37, 976-981.	2.0	25
20	Design for Reliability of Complex System: Case Study of Horizontal Drilling Equipment with Limited Failure Data. <i>Journal of Quality and Reliability Engineering</i> , 2014, 2014, 1-13.	1.3	25
21	Fabrication of fast mid-infrared range photodetector based on hybrid graphene-PbSe nanorods. <i>Applied Optics</i> , 2015, 54, 6386.	2.1	25
22	FWM minimization in WDM optical communication systems using the asymmetrical dispersion-managed fibers. <i>Optik</i> , 2012, 123, 758-760.	2.9	24
23	Terahertz dual-wavelength quantum cascade laser based on GaN active region. <i>Optics and Laser Technology</i> , 2012, 44, 378-383.	4.6	24
24	Ultra-high detectivity room temperature THZ-IR photodetector based on resonant tunneling spherical centered defect quantum dot (RT-SCDQD). <i>Optics Communications</i> , 2009, 282, 3499-3508.	2.1	21
25	Wideband Steady-State and Pulse Propagation Modeling of a Reflective Quantum-Dot Semiconductor Optical Amplifier. <i>Journal of Lightwave Technology</i> , 2020, 38, 797-803.	4.6	21
26	Management of losses (thermalization-transmission) in the Si-QDs inside 3C-SiC to design an ultra-high-efficiency solar cell. <i>Materials Science in Semiconductor Processing</i> , 2020, 109, 104936.	4.0	21
27	DISPERSION FLATTENED OPTICAL FIBER DESIGN FOR LARGE BANDWIDTH AND HIGH-SPEED OPTICAL COMMUNICATIONS USING OPTIMIZATION TECHNIQUE. <i>Progress in Electromagnetics Research B</i> , 2009, 13, 21-40.	1.0	20
28	MZ-MMI-based all-optical switch using nonlinear coupled waveguides. <i>Optik</i> , 2011, 122, 1787-1790.	2.9	20
29	Modeling and Improvement of Breast Cancer Site Temperature Profile by Implantation of Onion-Like Quantum-Dot Quantum-Well Heteronanocrystal in Tumor Site. <i>IEEE Nanotechnology Magazine</i> , 2012, 11, 1183-1191.	2.0	20
30	Investigation of Surface Plasmon Resonance in Multilayered Onion-Like Heteronanocrystal Structures. <i>IEEE Nanotechnology Magazine</i> , 2013, 12, 831-838.	2.0	20
31	p-Phenylenediaminium iodide capping agent enabled self-healing perovskite solar cell. <i>Scientific Reports</i> , 2020, 10, 20011.	3.3	20
32	Proposal for ultra-high performance infrared Quantum Dot. <i>Optics Express</i> , 2008, 16, 2752.	3.4	19
33	Quantum dot semiconductor optical amplifiers: optical pumping versus electrical pumping. <i>Journal of Optics (United Kingdom)</i> , 2011, 13, 035406.	2.2	19
34	Modification of graphene oxide for applying as mid-infrared photodetector. <i>Applied Physics B: Lasers and Optics</i> , 2015, 120, 637-643.	2.2	19
35	A proposal for enhancement of optical nonlinearity in GaN/AlGaIn centered defect quantum box (CDQB) nanocrystal. <i>Solid-State Electronics</i> , 2008, 52, 1075-1081.	1.4	18
36	Equivalent circuit model of quantum dot semiconductor optical amplifiers: dynamic behaviour and saturation properties. <i>Journal of Optics</i> , 2009, 11, 105205.	1.5	18

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37	Construction of 1D perovskite nanowires by Urotropin passivation towards efficient and stable perovskite solar cell. <i>Solar Energy Materials and Solar Cells</i> , 2021, 227, 111119.	6.2	18
38	Full-optical realization of tunable low pass, high pass and band pass optical filters using ring resonators. <i>Optics Communications</i> , 2004, 240, 133-151.	2.1	17
39	Long wavelength infrared photodetector design based on electromagnetically induced transparency. <i>Optics Communications</i> , 2008, 281, 3739-3747.	2.1	17
40	A Novel Proposal for Passive All-Optical Demultiplexer for DWDM Systems Using 2-D Photonic Crystals. <i>Journal of Electromagnetic Waves and Applications</i> , 2008, 22, 471-482.	1.6	17
41	Proposal for an ultracompact tunable wavelength-division-multiplexing optical filter based on quasi-2D photonic crystals. <i>Journal of Optics (United Kingdom)</i> , 2010, 12, 015405.	2.2	17
42	Proposal for Simultaneous Two-Color Smithâ€Purcell Terahertz Radiation Through Effective Surface Plasmon Excitation. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2017, 23, 1-9.	2.9	17
43	Defect-induced enhancement of absorption coefficient and electroabsorption properties in GaN/AlGaN centered defect quantum box (CDQB) nanocrystal. <i>Physica B: Condensed Matter</i> , 2008, 403, 2789-2796.	2.7	16
44	Efficiency analysis and electronic structures of 3C-SiC and 6H-SiC with 3d elements impurities as intermediate band photovoltaics. <i>Journal of Photonics for Energy</i> , 2014, 4, 042098.	1.3	16
45	Ultra-broadband Optical Gain Engineering in Solution-processed QD-SOA Based on Superimposed Quantum Structure. <i>Scientific Reports</i> , 2019, 9, 12919.	3.3	16
46	Investigation of the effective operational parameters of self-cleaning glass surface coating to improve methylene blue removal efficiency; application in solar cells. <i>Solar Energy</i> , 2020, 207, 398-408.	6.1	16
47	Ultra High-efficiency Integrated Mid Infrared to Visible Up-conversion System. <i>Scientific Reports</i> , 2020, 10, 9325.	3.3	16
48	A PRINCIPAL INVESTIGATION OF THE GROUP VELOCITY DISPERSION (GVD) PROFILE FOR OPTIMUM DISPERSION COMPENSATION IN OPTICAL FIBERS: A THEORETICAL STUDY. <i>Progress in Electromagnetics Research</i> , 2007, 75, 209-224.	4.4	15
49	Evaluation of single virus detection through optical biosensor based on microsphere resonator. <i>Optik</i> , 2014, 125, 3599-3602.	2.9	15
50	High-speed and high-precision PbSe/PbI ₂ solution process mid-infrared camera. <i>Scientific Reports</i> , 2021, 11, 1533.	3.3	15
51	Proposal for optical fiber designs with ultrahigh effective area and small bending loss applicable to long haul communications. <i>Applied Optics</i> , 2007, 46, 6330.	2.1	14
52	Tunable all-optical photonic crystal channel drop filter for DWDM systems. <i>Journal of Optics</i> , 2009, 11, 065102.	1.5	14
53	Simulation of Tumor Targeting Enhancement by Amplifying of Targeted Nano-Biosensors Radiation Intensity. <i>IEEE Transactions on Biomedical Engineering</i> , 2013, 60, 1328-1335.	4.2	14
54	Exactly solvable inhomogeneous Fibonacci-class quasi-periodic structures (optical filtering). <i>Optics Communications</i> , 2005, 247, 247-256.	2.1	13

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55	A NOVEL PROPOSAL FOR ULTRA-HIGH RESOLUTION AND COMPACT OPTICAL DISPLACEMENT SENSOR BASED ON ELECTROMAGNETICALLY INDUCED TRANSPARENCY IN RING RESONATOR. Progress in Electromagnetics Research, 2007, 77, 149-170.	4.4	13
56	Investigation of dispersion characteristic in MI- and MII-type single mode optical fibers. Optics Communications, 2007, 271, 413-420.	2.1	13
57	Optical Filters Using Optical Multi-Layer Structures for Optical Communication Systems. Fiber and Integrated Optics, 2010, 29, 209-224.	2.5	13
58	Solution-Processed Photoconductive UV Detectors Based on ZnO Nanosheets. IEEE Photonics Technology Letters, 2012, 24, 1995-1997.	2.5	13
59	Third order susceptibility enhancement using GaN based composite nanoparticle. Optik, 2013, 124, 6669-6675.	2.9	13
60	Group velocity reduction in multilayer metamaterial waveguide. Optik, 2013, 124, 1230-1233.	2.9	13
61	Electrically Tunable Slow and Fast Light using Coherent Population Oscillations in Quantum Dot Semiconductor Optical Amplifier. Journal of Optical Communications, 2013, 34, 1-8.	4.7	13
62	Band gap engineering of organo metal lead halide perovskite photovoltaic absorber. Optical and Quantum Electronics, 2016, 48, 1.	3.3	13
63	Multi-wavelengths Terahertz emitter using graphene aperiodic super-cells. Optik, 2019, 179, 379-384.	2.9	13
64	ALL-OPTICAL TUNABLE MIRROR DESIGN USING ELECTROMAGNETICALLY INDUCED TRANSPARENCY. Progress in Electromagnetics Research M, 2008, 5, 25-41.	0.9	12
65	Plasmon Modes Hybridization Influence on Nano-Bio-Sensors Specification. IEEE Nanotechnology Magazine, 2013, 12, 858-866.	2.0	12
66	Design criteria for silicon nanostructures in silicon based triple junction solar cell. Optical and Quantum Electronics, 2016, 48, 1.	3.3	12
67	Transparent Display using a quasi-array of Si-SiO ₂ Core-Shell Nanoparticles. Scientific Reports, 2019, 9, 2293.	3.3	12
68	Highly Efficient Dual Band Graphene Plasmonic Photodetector at Optical Communication Wavelengths. IEEE Nanotechnology Magazine, 2021, 20, 255-261.	2.0	12
69	PT-invariant Helmholtz optics and its applications to slab waveguides. European Physical Journal B, 2003, 36, 359-363.	1.5	11
70	Generalized Fibonacci quasi photonic crystals and generation of superimposed Bragg Gratings for optical communication. Microelectronics Journal, 2006, 37, 897-903.	2.0	11
71	An ultra-high level second-order nonlinear optical susceptibility in strained asymmetric GaN/AlGaIn quantum wells: Towards all-optical devices and systems. Microelectronics Journal, 2007, 38, 900-904.	2.0	11
72	A Dual-Color IR Quantum Cascade Photodetector With Two Output Electrical Signals. IEEE Transactions on Electron Devices, 2011, 58, 165-172.	3.0	11

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73	Ultrafast GaN/AlN modulator based on quantum dot for terabit all-optical communication. <i>Optik</i> , 2014, 125, 3844-3851.	2.9	11
74	Design of a portable nanosensor for easy breast tomography. <i>RSC Advances</i> , 2015, 5, 19002-19013.	3.6	11
75	Improvement of the conversion efficiency and power of thin film silicon solar cells by embedding metallic nanostructures in depletion region. <i>Optik</i> , 2016, 127, 8988-8994.	2.9	11
76	Multi-wavelength solution-processed quantum dot laser. <i>Optics Communications</i> , 2020, 457, 124629.	2.1	11
77	All-optical implementation of tunable low-pass, high-pass, and bandpass optical filters using ring resonators. <i>Journal of Lightwave Technology</i> , 2005, 23, 446-460.	4.6	10
78	Study of bending loss and mode field diameter in depressed inner core triple-clad single-mode optical fibers. <i>Optics Communications</i> , 2007, 280, 58-67.	2.1	10
79	Highly enhanced second-order nonlinear susceptibilities in tailored GaN/AlGaAs/AlN quantum well structures. <i>Physica B: Condensed Matter</i> , 2008, 403, 2725-2731.	2.7	10
80	Sensitive, Fast, Solution-Processed Ultraviolet Detectors Based on Passivated Zinc Oxide Nanorods. <i>ChemPhysChem</i> , 2013, 14, 554-559.	2.1	10
81	Performance enhancement of an all-optical XOR gate using quantum-dot based reflective semiconductor optical amplifiers in a folded Mach-Zehnder interferometer. <i>Optics and Laser Technology</i> , 2021, 135, 106628.	4.6	10
82	Proposal for all-optical controllable switch using dipole induced transparency (DIT). <i>Optics Communications</i> , 2010, 283, 1817-1825.	2.1	9
83	Correspondence Between Effective Mode Area and Dispersion Variations in Defected Core Photonic Crystal Fibers. <i>Journal of Lightwave Technology</i> , 2011, 29, 234-241.	4.6	9
84	Nanoscale all-optical plasmonic switching using electromagnetically induced transparency. <i>Applied Optics</i> , 2012, 51, 5019.	1.8	9
85	Light extraction efficiency enhancement in organic light emitting diodes based on optimized multilayer structures. <i>Optik</i> , 2013, 124, 3287-3291.	2.9	9
86	Fabrication of fast and sensitive IR detectors based on PbS quantum dots passivated by organic ligands. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2013, 210, 420-424.	1.8	9
87	A New Proposal for Simultaneous Multicolor Detection Based on Quantum Dots and Selective Energy Contacts. <i>IEEE Transactions on Electron Devices</i> , 2015, 62, 2231-2237.	3.0	9
88	High-Performance Solution Processed Inorganic Quantum-Dot LEDs. <i>IEEE Nanotechnology Magazine</i> , 2015, 14, 911-917.	2.0	9
89	All-Optical switching in metal nanoparticles plasmonic waveguide using EIT phenomenon. <i>Optik</i> , 2017, 132, 291-298.	2.9	9
90	Effect of morphology of nanoparticles on performance of transparent display. <i>Optical and Quantum Electronics</i> , 2020, 52, 1.	3.3	9

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91	A perfect electrically tunable graphene-based metamaterial absorber. Journal of Computational Electronics, 2021, 20, 864-872.	2.5	9
92	All-optical integrated coding system for optical analog to digital (A/D) converter. Laser Physics Letters, 2004, 1, 406-410.	1.4	8
93	Exactly Modal Analysis of Inhomogeneous Slab Waveguide using Nikiforov-Uvarov Method. Journal of Electromagnetic Waves and Applications, 2008, 22, 681-692.	1.6	8
94	Linear frequency-doubling in dual Mid-IR-wavelength quantum cascade laser active region. Superlattices and Microstructures, 2009, 45, 134-142.	3.1	8
95	HIGHLY NONLINEAR AND NEAR-ZERO ULTRA-FLATTENED DISPERSION DODECAGONAL PHOTONIC CRYSTAL FIBERS. Progress in Electromagnetics Research C, 2015, 60, 115-123.	0.9	8
96	Broadband negative optical constants in composite materials. Photonics and Nanostructures - Fundamentals and Applications, 2015, 14, 77-92.	2.0	8
97	Solution-processed QD-LEDs in visible range: Modulation bandwidth enhancement. Physica B: Condensed Matter, 2019, 574, 411667.	2.7	8
98	Ultra-high-efficiency luminescent solar concentrator using superimposed colloidal quantum dots. Optical and Quantum Electronics, 2020, 52, 1.	3.3	8
99	Switchable Multi-Color Solution-Processed QD-laser. Scientific Reports, 2020, 10, 5273.	3.3	8
100	Solar cells efficiency enhancement using multilevel selective energy contacts (SECs). Optical and Quantum Electronics, 2022, 54, 1.	3.3	8
101	Hybridization of Neural Networks and Genetic Algorithms for Identification of Complex Bragg Gratings. Journal of Electromagnetic Waves and Applications, 2008, 22, 643-664.	1.6	7
102	EIT based tunable metal composite spherical nanoparticles. Photonics and Nanostructures - Fundamentals and Applications, 2012, 10, 102-111.	2.0	7
103	Opto-Electrical Simulation of Organic Solar Cells. , 2014, , .		7
104	Smith-Purcell Based Terahertz Frequency Multiplier: Three Dimensional Analysis. Springer Proceedings in Physics, 2016, , 145-155.	0.2	7
105	Midinfrared Invisibility Cloak Design Using Composite Optical Materials. IEEE Journal of Selected Topics in Quantum Electronics, 2016, 22, 134-139.	2.9	7
106	Radiation pattern direction control in nano-antenna (tunable nano-antenna). Optical and Quantum Electronics, 2019, 51, 1.	3.3	7
107	Phononic wave hard limiter. Journal of Sound and Vibration, 2019, 443, 230-237.	3.9	7
108	Optimization of power conversion efficiency in multi-band solar cells (theoretical investigation) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62	3.3	7

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109	All-optical filter design: Electromagnetically induced transparency and ring resonator. , 2007, , .		6
110	A novel dispersion-shifted single mode optical fiber design with ultra-high-bit-rate and very low loss for long-haul communications. Optics Communications, 2008, 281, 5779-5787.	2.1	6
111	EIT-based MZ-MMI all-optical switch. Journal of Modern Optics, 2010, 57, 2021-2026.	1.3	6
112	Investigation of power penalty in WDM systems for dispersion managed fibers. Optik, 2013, 124, 2072-2075.	2.9	6
113	The narrow band THz filter in metallic photonic crystal slab framework: Design and investigation. Optik, 2014, 125, 6545-6549.	2.9	6
114	Nanocomposite Multilayer Structure for Broadband MIR Negative Refractive Index. Journal of Lightwave Technology, 2015, 33, 4171-4175.	4.6	6
115	A Strategy to Achieve High-Efficiency Organolead Trihalide Perovskite Solar Cells. Journal of Electronic Materials, 2016, 45, 5746-5755.	2.2	6
116	High efficiency solar cells using quantum interferences. Optical and Quantum Electronics, 2017, 49, 1.	3.3	6
117	UV/IR Dual-Wavelength Photodetector Design Based on ZnO/PMMA/PbSe Nanocomposites. IEEE Nanotechnology Magazine, 2018, 17, 574-581.	2.0	6
118	Generation of two-color terahertz radiation using Smithâ€Purcell emitter and periodic dielectric layers. Optical and Quantum Electronics, 2019, 51, 1.	3.3	6
119	Comparative study of transparent display using aperiodic arrays of Siâ€SiO ₂ coreâ€shell nanoparticles. Optical and Quantum Electronics, 2020, 52, 1.	3.3	6
120	Performance analysis of organic solar cells: Opto-electrical modeling and simulation. Engineering Science and Technology, an International Journal, 2021, 24, 229-235.	3.2	6
121	Design and Simulation of Terahertz Perfect Absorber with Tunable Absorption Characteristic Using Fractal-Shaped Graphene Layers. Photonics, 2021, 8, 375.	2.0	6
122	Multi-band optical filter design using fibonacci based quasi- periodic homogeneous structures. , 0, , .		5
123	A novel fibre design strategy for simultaneously introducing ultra small dispersion and dispersion slope using genetic algorithm. European Transactions on Telecommunications, 2009, 20, 37-47.	1.2	5
124	Reduction of guided waves in ITO/glass interface of white organic light emitting diodes (WOLEDs): Layer optimization. Optik, 2013, 124, 5061-5063.	2.9	5
125	Highâ€responsivity AlGaInâ€GaN multiâ€quantum well UV photodetector. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2014, 27, 309-317.	1.9	5
126	Novel and Simple Solution-processed MIS Ultraviolet (UV) Detector Based on Coreâ€Shell Si/SiO ₂ Nanocrystals. Journal of Electronic Materials, 2014, 43, 1249-1254.	2.2	5

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127	Enhancement of tumor smart-targeting efficiency based on optical communication between signaling and receiving nanoparticles (modeling and analysis). RSC Advances, 2014, 4, 30984-30992.	3.6	5
128	Modeling of Solar Cell Efficiency Improvement Using Pyramid Grating in Single Junction Silicon Solar Cell. Springer Proceedings in Energy, 2015, , 61-67.	0.3	5
129	Investigation of efficient mathematical permittivity modeling for modal analysis of plasmonics layered structures. Optik, 2015, 126, 323-327.	2.9	5
130	Two-dimensional modeling and analysis of a nanometer transistor as a THz emitter. Physics of Plasmas, 2016, 23, 102104.	1.9	5
131	Modeling and analysis of a new THz source based on cylindrical FET (C-FET). Superlattices and Microstructures, 2016, 97, 176-185.	3.1	5
132	Fabrication of high sensitive and fast response MIR photodetector based on a new hybrid graphene structure. Sensors and Actuators A: Physical, 2016, 238, 150-157.	4.1	5
133	Design Considerations Influencing Optical Response in Gold Spherical Nanoparticles. Journal of Nano Research, 0, 46, 1-11.	0.8	5
134	Efficiency enhancement in a single bandgap silicon solar cell considering hot-carrier extraction using selective energy contacts. Optics Express, 2021, 29, 5068.	3.4	5
135	Phononic crystal locally-resonant cavity for sensing metallic oxides nano-powders. International Journal of Mechanical Sciences, 2021, 207, 106658.	6.7	5
136	Electrically Tunable Perfect Terahertz Absorber Using Embedded Comblined Graphene Layer. Applied Sciences (Switzerland), 2021, 11, 10961.	2.5	5
137	Optical transmission properties of light propagation through Fibonacci-class ring-resonators. European Physical Journal B, 2005, 47, 137-143.	1.5	4
138	All-optical tunable mirror of VCSEL using electromagnetically induced transparency. , 2008, , .		4
139	Q-Factor Microcavity Design Based on 12-Fold Photonic Quasicrystals. Fiber and Integrated Optics, 2011, 30, 125-138.	2.5	4
140	Quantum-dot semiconductor optical amplifier performance management under optical injection. Journal of Modern Optics, 2013, 60, 509-514.	1.3	4
141	Demonstration of V_{π} Reduction in Electrooptic Modulators Using Modulation Instability. IEEE Photonics Journal, 2014, 6, 1-9.	2.0	4
142	Fluorescence Resonance Energy Transfer between an Anti-EGFR Antibody and $\text{Bi}_{2-x}\text{Se}_3/\text{SiO}_2$, ZnS/SiO_2 , and ZnSe/SiO_2 Nanomaterials for Biosensor Purposes. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2017, 643, 1564-1571.	1.2	4
143	Electrical and optical performance evaluation in solution-process-based optoelectronic devices: theoretical modeling. Applied Optics, 2017, 56, 1953.	2.1	4
144	High performance plasmonically enhanced graphene photodetector for near-infrared wavelengths. Journal of the Optical Society of America B: Optical Physics, 2021, 38, 3474.	2.1	4

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145	A Proposal for Optical Antenna in VLC Communication Receiver System. Photonics, 2022, 9, 241.	2.0	4
146	Electron transport in array of centered defect quantum dots. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 41, 269-277.	2.7	3
147	A High Q Design for N-channel Wavelength Division Demultiplexer. Journal of Optical Communications, 2011, 32, .	4.7	3
148	Novel Low-Bend Large Effective Area Fiber for Fiber-to-the-Home Application. Fiber and Integrated Optics, 2011, 30, 1-8.	2.5	3
149	All-Optical multi-wavelength header recognition using superimposed Bragg gratings based correlators. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2013, 26, 56-63.	1.9	3
150	Layer optimization in wight organic light emitting diodes (WOLEDs) to reduce the portion of guided waves in ITO/Glass interface. Optik, 2013, 124, 6582-6585.	2.9	3
151	Analysis and optimization of a dual-core dispersion compensation fiber based on a 12-fold photonic quasicrystal structure. Applied Optics, 2014, 53, 8366.	2.1	3
152	Modeling of Effective Host Mobility for the Simulation of Polymeric Host-Guest Light Emitting Diodes. Journal of Lightwave Technology, 2014, 32, 959-965.	4.6	3
153	High Throughput Quantum Dot Based LEDs. , 2015, , .		3
154	Continuous terahertz wave generation based on photomixers coupled to Fibonacci fractal tree antennas. Optical and Quantum Electronics, 2016, 48, 1.	3.3	3
155	THz wave generation in cylindrical heterostructure nanowire. Optik, 2016, 127, 8294-8300.	2.9	3
156	Design and Optimization of Graphene Quantum Dot-based Luminescent Solar Concentrator Using Monte-Carlo Simulation. Energy and Built Environment, 2021, , .	5.9	3
157	Selective band amplification in ultra-broadband superimposed quantum dot reflective semiconductor optical amplifiers. Applied Optics, 2022, 61, 4509.	1.8	3
158	Overcoming the temperature effect on a single junction and intermediate band solar cells using an optical filter and energy selective contacts. Optical and Quantum Electronics, 2022, 54, .	3.3	3
159	Optical filtering properties of inhomogeneous isotropic slab waveguides. Laser Physics Letters, 2004, 1, 340-346.	1.4	2
160	Optical switching characteristics of nonlinear periodic multilayer structure. Laser Physics Letters, 2005, 2, 94-100.	1.4	2
161	Waveguiding properties of photonic quasicrystal heterostructures based on envelope approximation. Journal of Optics (United Kingdom), 2010, 12, 115503.	2.2	2
162	Enlarging effective mode area of photonic crystal fibers using defected core structures. , 2010, , .		2

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163	All-optical switching using microring resonators including Quantum-Dots. , 2010, , .		2
164	Resolution improvement in high-speed fiber-optic spectrometers using photonic crystal fibers. , 2010, , .		2
165	Terahertz and Infrared Quantum Photodetectors. Lecture Notes in Electrical Engineering, 2011, , 91-190.	0.4	2
166	Optimum Compensator Positioning to Reduce Four-Wave Mixing in Wavelength Division Multiplexing Optical Communication Systems Using Dispersion-Managed Fibers. Fiber and Integrated Optics, 2011, 30, 252-258.	2.5	2
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