

Mohammad Hossein Sheikhi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6840725/publications.pdf>

Version: 2024-02-01

160
papers

3,035
citations

159525

30
h-index

197736

49
g-index

162
all docs

162
docs citations

162
times ranked

3322
citing authors

#	ARTICLE	IF	CITATIONS
1	High-performance electro-optical switch using an anisotropic graphene-based one-dimensional photonic crystal. <i>Optics Express</i> , 2022, 30, 9269.	1.7	10
2	Improvement of Plasmonic CuS Nanocrystals's™ Optoelectronic Properties via Cation Exchange for Infrared Detection Enhancement. <i>ACS Applied Electronic Materials</i> , 2022, 4, 2203-2216.	2.0	10
3	Efficient binary and QAM optical modulation in ultra-compact MZI structures utilizing indium-tin-oxide. <i>Scientific Reports</i> , 2022, 12, 8129.	1.6	2
4	Low concentration ethanol sensor based on graphene/ZnO nanowires. <i>Ceramics International</i> , 2021, 47, 5311-5317.	2.3	34
5	High-detectivity near-infrared photodetector based on Ag ₂ S nanocrystals. <i>Journal of Alloys and Compounds</i> , 2021, 852, 156948.	2.8	30
6	A novel high-performance methane sensor based on Ti-Decorated 2D $\hat{\Gamma}$ ³ -graphyne: A dispersion-corrected DFT insight. <i>Materials Chemistry and Physics</i> , 2021, 257, 123808.	2.0	19
7	Highly Sensitive and Fast-Response Volatile Organic Compounds Sensors Based on Star-Shaped BaTiO ₃ /ZnO Heterostructures. <i>IEEE Sensors Journal</i> , 2021, 21, 4225-4232.	2.4	13
8	Room temperature and highly sensitive acetone sensor based on lead sulfide nanosheets. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2021, 267, 115082.	1.7	21
9	Enhancement of room temperature ethanol sensing behavior of PbS-SnS ₂ nanocomposite by Au decoration. <i>Materials Science in Semiconductor Processing</i> , 2021, 127, 105742.	1.9	11
10	A novel room temperature ethanol sensor based on PbS:SnS ₂ nanocomposite with enhanced ethanol sensing properties. <i>Journal of Alloys and Compounds</i> , 2020, 816, 152666.	2.8	29
11	Highly Efficient AlGaIn/GaN/InGaIn Multi-quantum Well Ultraviolet Light-Emitting Diode. <i>Iranian Journal of Science and Technology - Transactions of Electrical Engineering</i> , 2020, 44, 69-76.	1.5	6
12	High-Performance Room Temperature Methane Gas Sensor Based on Lead Sulfide/Reduced Graphene Oxide Nanocomposite. <i>IEEE Sensors Journal</i> , 2020, 20, 2526-2532.	2.4	19
13	A Review of Nanostructured Resistive-Based Vanadium Oxide Gas Sensors. <i>Chemosensors</i> , 2020, 8, 105.	1.8	27
14	Effect of Ag on the ZnO nanoparticles properties as an ethanol vapor sensor. <i>Materials Science in Semiconductor Processing</i> , 2020, 117, 105172.	1.9	50
15	High-performance ZnO nanowires-based glucose biosensor modified by graphene nanoplates. <i>Materials Science in Semiconductor Processing</i> , 2020, 115, 105116.	1.9	33
16	All-Optical Cross-Bar Switch Based on a Low-Loss Suspended Graphene Plasmonic Coupler. <i>Plasmonics</i> , 2019, 14, 447-456.	1.8	11
17	Room temperature methane sensor based on single wall CNTs/SnO ₂ nanoparticles. <i>Micro and Nano Letters</i> , 2019, 14, 815-818.	0.6	6
18	Double-layer graphene optical modulators based on Fano resonance in all-dielectric metasurfaces. <i>Journal of Applied Physics</i> , 2019, 125, .	1.1	18

#	ARTICLE	IF	CITATIONS
19	High saturation magnetization, low coercivity and fine YIG nanoparticles prepared by modifying co-precipitation method. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 476, 355-360.	1.0	26
20	Design and analysis of low loss plasmonic waveguide and directional coupler based on pattern-free suspended graphene sheets. <i>Carbon</i> , 2018, 129, 653-660.	5.4	31
21	Plasmonic Enhancement of Colloidal Quantum Dot Infrared Photodetector Photosensitivity. <i>IEEE Journal of Quantum Electronics</i> , 2018, 54, 1-7.	1.0	12
22	Hydrothermally synthesized Pd-loaded SnO ₂ /partially reduced graphene oxide nanocomposite for effective detection of carbon monoxide at room temperature. <i>Sensors and Actuators B: Chemical</i> , 2018, 254, 457-467.	4.0	66
23	Effect of Gold Nanoparticles Incorporation on Electrical Conductivity and Methane Gas Sensing Characteristics of Lead Sulfide Colloidal Nanocrystals. <i>IEEE Sensors Journal</i> , 2018, 18, 1940-1945.	2.4	24
24	Ceramic monolith as microfiltration membrane: Preparation, characterization and performance evaluation. <i>Applied Clay Science</i> , 2018, 161, 456-463.	2.6	38
25	Fully integrated wearable humidity sensor based on hydrothermally synthesized partially reduced graphene oxide. <i>Sensors and Actuators A: Physical</i> , 2018, 279, 448-456.	2.0	36
26	Assessment of a Thermally Modified Cellulose Acetate Forward Osmosis Membrane Using Response Surface Methodology. <i>Chemical Engineering and Technology</i> , 2018, 41, 1706-1715.	0.9	27
27	Magnesium Loss in Nd:YAG Pulsed Laser Welding of Aluminum Alloys. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2018, 49, 2896-2905.	1.0	17
28	A dispersion-corrected DFT insight into the structural, electronic and CH ₄ adsorption properties of small tin-oxide clusters. <i>Journal of Alloys and Compounds</i> , 2018, 757, 382-392.	2.8	8
29	Low temperature carbon monoxide gas sensor based on Ag-Co ₃ O ₄ thick film nanocomposite. <i>Materials Letters</i> , 2018, 233, 74-77.	1.3	28
30	Experimental investigation of oil-in-water microfiltration assisted by Dielectrophoresis: Operational condition optimization. <i>Chemical Engineering Research and Design</i> , 2018, 137, 421-433.	2.7	14
31	Design of a High Extinction Ratio Tunable Graphene on White Graphene Polarizer. <i>IEEE Photonics Technology Letters</i> , 2018, 30, 153-156.	1.3	66
32	Probabilistic Placement of Wind Turbines in Distribution Networks. <i>Electrica</i> , 2018, 18, 234-241.	0.7	3
33	Analytical modeling of highly tunable giant lateral shift in total reflection of light beams from a graphene containing structure. <i>Optics Communications</i> , 2017, 391, 68-76.	1.0	60
34	Methane gas sensing properties of Pd-doped SnO ₂ /reduced graphene oxide synthesized by a facile hydrothermal route. <i>Materials Research Bulletin</i> , 2017, 89, 161-169.	2.7	103
35	Pilot plant fluidized bed reactor for degradation of basic blue 3 in heterogeneous fenton process in the presence of natural magnetite. <i>Environmental Progress and Sustainable Energy</i> , 2017, 36, 1039-1048.	1.3	18
36	Influence of Pd/Pd ₂ decoration on the structural, electronic and sensing properties of monolayer graphene in the presence of methane molecule: A dispersion-corrected DFT study. <i>Surface Science</i> , 2017, 662, 93-101.	0.8	21

#	ARTICLE	IF	CITATIONS
37	High performance polarization-independent Quantum Dot Semiconductor Optical Amplifier with 22 dB fiber to fiber gain using Mode Propagation Tuning without additional polarization controller. Optics and Laser Technology, 2017, 93, 127-132.	2.2	23
38	Three-Dimensional Analysis of an Ultrashort Optical Cross-Bar Switch Based on a Graphene Plasmonic Coupler. Journal of Lightwave Technology, 2017, 35, 2211-2217.	2.7	43
39	Enhancement of Methane Gas Sensing Characteristics of Lead Sulfide Colloidal Nanocrystals by Silver Nanoparticles Decoration. IEEE Sensors Journal, 2017, 17, 3375-3380.	2.4	24
40	Design of a tunable graphene plasmonic-on-white graphene switch at infrared range. Superlattices and Microstructures, 2017, 112, 404-414.	1.4	85
41	High Efficiency MAPbI ₃ Perovskite Solar Cell Using a Pure Thin Film of Polyoxometalate as Scaffold Layer. ChemSusChem, 2017, 10, 3773-3779.	3.6	40
42	Effect of optical pumping to the wetting layer and excited state on the gain dynamics of QD-VCSOA: An equivalent circuit approach. , 2017, , .		1
43	Synthesis and preparation of ZnO NWs for glucose biosensing. , 2017, , .		1
44	Tunable graphene plasmonic Y-branch switch in the terahertz region using hexagonal boron nitride with electric and magnetic biasing. Applied Optics, 2017, 56, 8931.	0.9	51
45	Tunable resonant Goos-Hänchen and Imbert-Fedorov shifts in total reflection of terahertz beams from graphene plasmonic metasurfaces. Journal of the Optical Society of America B: Optical Physics, 2017, 34, 1097.	0.9	111
46	Spectral response, dark current, and noise analyses in resonant tunneling quantum dot infrared photodetectors. Applied Optics, 2016, 55, 8494.	2.1	6
47	Ultrashort terahertz cross-bar switch based on a graphene plasmonic directional coupler. , 2016, , .		1
48	Highly Sensitive, Room Temperature Methane Gas Sensor Based on Lead Sulfide Colloidal Nanocrystals. IEEE Sensors Journal, 2016, 16, 4174-4179.	2.4	39
49	Frequency noise analysis of 1.55 Åm indium arsenide/indium phosphide quantum dot lasers: impact of non-linear gain and direct carrier transition. IET Optoelectronics, 2016, 10, 134-141.	1.8	2
50	Methane gas detection at room temperature using Pd doped SnO ₂ /reduced graphene oxide nanocomposite. , 2016, , .		1
51	A Pin-Hole Free Architecture for Vertical Infrared Photodetectors Based on Thin-Film Organic/Inorganic Hybrid Nanocomposite. IEEE Sensors Journal, 2016, 16, 1634-1640.	2.4	13
52	Intraband Absorption Coefficient in Organic-Inorganic Hybrid Nanocomposite: A Pathway to Room-Temperature, Mid- and Long-Wavelength Infrared Detection. IEEE Sensors Journal, 2016, 16, 2389-2396.	2.4	5
53	Fabrication of capacitive sensor based on Cu-BTC (MOF-199) nanoporous film for detection of ethanol and methanol vapors. Sensors and Actuators B: Chemical, 2016, 230, 9-16.	4.0	107
54	Highly sensitive wireless H ₂ S gas sensors at room temperature based on CuO-SWCNT hybrid nanomaterials. Sensors and Actuators B: Chemical, 2016, 231, 474-483.	4.0	86

#	ARTICLE	IF	CITATIONS
55	Hydrogen sulfide gas sensor based on decorated zigzag graphene nanoribbon with copper. <i>Sensors and Actuators B: Chemical</i> , 2015, 219, 338-345.	4.0	37
56	A low cost and reliable fiber optic ethanol sensor based on nano-sized SnO ₂ . <i>Optical Fiber Technology</i> , 2015, 24, 93-99.	1.4	28
57	A Highly Efficient Thin Film CuInGaSe ₂ Solar Cell. <i>Journal of Solar Energy Engineering, Transactions of the ASME</i> , 2015, 137, .	1.1	5
58	Improving Ion/Ioff in dual-gate graphene nanoribbon field-effect transistors using local uniaxial tensile strain. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2015, 68, 143-148.	1.3	7
59	High sensitive and selective flexible H ₂ S gas sensors based on Cu nanoparticle decorated SWCNTs. <i>Sensors and Actuators B: Chemical</i> , 2015, 210, 1-8.	4.0	114
60	Response of Colloidal Quantum Dot Infrared Photodetectors to Modulated Optical Signals. <i>IEEE Sensors Journal</i> , 2015, 15, 3274-3280.	2.4	11
61	Thermal Equivalent Circuit Model for Coupled-Cavity Surface-Emitting Lasers. <i>IEEE Journal of Quantum Electronics</i> , 2015, 51, 1-8.	1.0	6
62	Optical properties of chiral graphene nanoribbons: a first principle study. <i>Optical and Quantum Electronics</i> , 2015, 47, 3289-3300.	1.5	14
63	Flexible phototransistors based on graphene nanoribbon decorated with MoS ₂ nanoparticles. <i>Sensors and Actuators A: Physical</i> , 2015, 232, 285-291.	2.0	18
64	Dark Current Modeling and Noise Analysis in Quantum Dot Infrared Photodetectors. <i>IEEE Sensors Journal</i> , 2015, 15, 5504-5509.	2.4	20
65	Effect of silver additive on electrical conductivity and methane sensitivity of SnO ₂ . <i>Materials Science in Semiconductor Processing</i> , 2015, 35, 38-44.	1.9	39
66	Enhancement of nano-/microtextured crystalline silicon solar cells efficiency using hydrogen plasma surface treatment. <i>Optik</i> , 2015, 126, 5762-5766.	1.4	3
67	Compact Formulas for the Electrical Resistance of Semiconducting and Metallic Single Wall Carbon Nanotubes. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2015, 23, 899-905.	1.0	8
68	Electronic structure in hybrid nanocomposit. , 2015, , .		0
69	Structural and electronic properties of zigzag graphene nanoribbon decorated with copper cluster. <i>Journal of Computational Electronics</i> , 2015, 14, 270-279.	1.3	9
70	Prediction of solidification cracking in pulsed laser welding of 2024 aluminum alloy. <i>Acta Materialia</i> , 2015, 82, 491-502.	3.8	107
71	Micro/nanotexture crystalline silicon solar cells for space applications. , 2014, , .		1
72	A high performance all-optical set-reset flip-flop based on SOA-MZI. <i>Optoelectronics Letters</i> , 2014, 10, 430-433.	0.4	2

#	ARTICLE	IF	CITATIONS
73	Surface acoustic wave based H ₂ S gas sensors incorporating sensitive layers of single wall carbon nanotubes decorated with Cu nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2014, 198, 134-141.	4.0	85
74	Influence of PbS nanoparticle polymer coating on their aggregation behavior and toxicity to the green algae <i>Dunaliella salina</i> . <i>Aquatic Toxicology</i> , 2014, 154, 176-183.	1.9	27
75	Transport properties of zigzag graphene nanoribbon decorated with copper clusters. <i>Journal of Applied Physics</i> , 2014, 116, 093701.	1.1	12
76	High-performance infrared photo-transistor based on SWCNT decorated with PbS nanoparticles. <i>Sensors and Actuators A: Physical</i> , 2014, 220, 213-220.	2.0	16
77	Solidification crack initiation and propagation in pulsed laser welding of wrought heat treatable aluminium alloy. <i>Science and Technology of Welding and Joining</i> , 2014, 19, 250-255.	1.5	33
78	A NEW STRUCTURE FOR ALL-OPTICAL THREE-INPUT XOR LOGIC GATE BASED ON SEMICONDUCTOR OPTICAL AMPLIFIER MACH-ZEHNDER INTERFEROMETER. <i>International Journal of Modern Physics B</i> , 2014, 28, 1450052.	1.0	2
79	Effect of single wall carbon nanotube additive on electrical conductivity and methane sensitivity of SnO ₂ . <i>Sensors and Actuators B: Chemical</i> , 2014, 202, 461-468.	4.0	28
80	Electrochemical hydrogen storage of Pt and Ni nanoparticles-electrodeposited multi-walled carbon nanotube/micro-hybrid composite. <i>Journal of Electroanalytical Chemistry</i> , 2013, 689, 297-302.	1.9	8
81	Electrochemical hydrogen evolution of multi-walled carbon nanotube/micro-hybrid composite decorated with Ni nanoparticles as catalyst through electroless deposition process. <i>Materials Science and Engineering C</i> , 2013, 33, 3173-3179.	3.8	2
82	Optical Absorption of Graphene Nanoribbon in Transverse and Modulated Longitudinal Electric Field. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2013, 21, 183-197.	1.0	5
83	First-principles study of H ₂ adsorption on the pristine and oxidized (8,0) carbon nanotube. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 13680-13686.	3.8	21
84	Effects of single-walled carbon nanotube defects and alignment angles on percolation conductivity in carbon nanotubes thin film. , 2013, , .		2
85	Specific CH ₄ gas sensor based on tungsten carbide/SnO ₂ core-shell modified interdigitated electrode. , 2013, , .		1
86	The Effect of Oxygen Molecule Adsorption on Structural and Electrical Properties of (8, 0) Carbon Nanotube: A Density Functional Study. <i>Key Engineering Materials</i> , 2013, 543, 447-450.	0.4	0
87	Fabrication of ozone gas sensor based on FeOOH/single walled carbon nanotube-modified field effect transistor. <i>International Journal of Environmental Analytical Chemistry</i> , 2013, 93, 946-958.	1.8	6
88	Effect of severe plastic deformation on hot cracking of wrought aluminium alloy in pulsed laser welding. <i>Science and Technology of Welding and Joining</i> , 2013, 18, 473-477.	1.5	12
89	A novel equivalent circuit model for waveguide-separated absorption charge multiplication-avalanche photodetector (WG-SACM-APD). <i>Optik</i> , 2013, 124, 6154-6158.	1.4	2
90	Cutoff Frequency and Switching Delay of Underlap Carbon Nanotube FETs. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2013, 21, 681-694.	1.0	3

#	ARTICLE	IF	CITATIONS
91	Detection of <i>invA</i> gene of <i>Salmonella</i> by DNA-gold nanoparticles biosensor and its comparison with PCR. <i>Journal of Experimental Nanoscience</i> , 2013, 8, 223-239.	1.3	6
92	Selective Methane Sensors Based on Tungsten Carbides/Tin Oxide and Tungsten/Tin Oxide Core-Shell Modified on Interdigitated Electrodes. <i>Materials Focus</i> , 2013, 2, 487-492.	0.4	2
93	Ethanol Sensing Properties of Tin Oxide Doped Using Silver Nanoparticles. <i>Advanced Materials Research</i> , 2013, 829, 600-604.	0.3	2
94	Fabrication of a Humidity Sensor Based on Chemical Vapor Deposition-Synthesized Single-Walled Carbon Nanotubes. <i>Science of Advanced Materials</i> , 2013, 5, 557-565.	0.1	3
95	DESIGN DEPENDENT CUTOFF FREQUENCY OF NANOTRANSISTORS NEAR THE ULTIMATE PERFORMANCE LIMIT. <i>International Journal of Modern Physics B</i> , 2012, 26, 1250196.	1.0	5
96	TEMPERATURE DEPENDENCE OF ELECTRICAL RESISTANCE OF INDIVIDUAL CARBON NANOTUBES AND CARBON NANOTUBES NETWORK. <i>Modern Physics Letters B</i> , 2012, 26, 1250136.	1.0	31
97	Electronic properties of a dual-gated GNR-FET under uniaxial tensile strain. <i>Microelectronics Reliability</i> , 2012, 52, 2579-2584.	0.9	21
98	Influence of Channel and Underlap Engineering on the High-Frequency and Switching Performance of CNTFETs. <i>IEEE Nanotechnology Magazine</i> , 2012, 11, 526-533.	1.1	30
99	A numerical approach for analyzing quantum dot infrared photodetectors' parameters. <i>Optics and Laser Technology</i> , 2012, 44, 572-577.	2.2	18
100	Single Walled Carbon Nanotube-Polyacrylonitrile Ceramic Fiber as Novel Electrode for Amperometric Detection of CO. <i>Journal of Nanoengineering and Nanomanufacturing</i> , 2012, 2, 402-409.	0.3	2
101	Multi-Walled Carbon Nanotubes/Polyacrylonitrile Composite as Novel Semi-Permeable Filter for Water Treatment Process. <i>Science of Advanced Materials</i> , 2012, 4, 1085-1095.	0.1	6
102	A New Physical Model for Waveguide-Separated Absorption Charge Multiplication-Avalanche Photodetector. , 2011, , .		0
103	A numerical method for analysis of waveguide-separated absorption charge multiplication-avalanche photodetector(WG-SACM-APD). , 2011, , .		0
104	A new approach for modeling of dark current characteristics of quantum wire infrared photodetectors. <i>Optoelectronics Letters</i> , 2011, 7, 260-262.	0.4	3
105	Comparative investigation of the formation of polytetrafluoroethylene nanoparticles on different solid substrates through the adsorption of tetrafluoroethylene. <i>Journal of Applied Polymer Science</i> , 2011, 121, 2369-2377.	1.3	0
106	Investigation of the quantum dot infrared photodetectors dark current. <i>Optics and Laser Technology</i> , 2011, 43, 1020-1025.	2.2	32
107	Optical Excitations of Finite Length Graphene Nanoribbons. <i>Journal of Computational and Theoretical Nanoscience</i> , 2011, 8, 90-96.	0.4	7
108	Specific H ₂ S Gas Sensor Based on Metal Nanoparticles, Sulfur and Nitrogen/Single-Walled Carbon Nanotube-Modified Field Effect Transistor. <i>Journal of Nanoengineering and Nanomanufacturing</i> , 2011, 1, 228-236.	0.3	6

#	ARTICLE	IF	CITATIONS
109	Double-wall carbon nanotube interconnects: experimental measurements, physical and circuit modelling. International Journal of Nanomanufacturing, 2010, 5, 278.	0.3	1
110	Fundamental Physical Aspects of Carbon Nanotube Transistors. , 2010, , .		12
111	Preparation and investigation on properties of lysozyme chemically bonded to single-walled carbon nanotubes. Journal of Experimental Nanoscience, 2010, 5, 536-547.	1.3	10
112	Improvements of twin-core fiber optical tweezers' performance. , 2010, , .		1
113	OPTIMIZATION OF PROCESSING TEMPERATURE TO ACHIEVE HIGH QUALITY SOL-GEL-DERIVED PZT THIN FILM. International Journal of Nanoscience, 2009, 08, 299-303.	0.4	1
114	Switching Behavior of Bistable DFB Semiconductor Laser Amplifiers. Fiber and Integrated Optics, 2009, 28, 275-287.	1.7	7
115	Characterisation of solidification cracking in pulsed Nd:YAG laser welding of 2024 aluminium alloy. Science and Technology of Welding and Joining, 2009, 14, 161-165.	1.5	33
116	High-frequency transmission through metallic single-walled carbon nanotube interconnects. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2009, 22, 369-378.	1.2	6
117	Effect of strain on the performance of MOSFET-like and single-walled carbon nanotube FETs. Solid-State Electronics, 2009, 53, 497-503.	0.8	10
118	Synthesis, characterization and in vitro bioactivity of sol-gel-derived SiO ₂ -CaO-P ₂ O ₅ -MgO bioglass. Materials Science and Engineering C, 2009, 29, 335-340.	3.8	205
119	Local π - π mixing in C60 buckminsterfullerene. Computational and Theoretical Chemistry, 2009, 901, 153-156.	1.5	7
120	Steady state analysis of optical bistability in distributed coupling coefficient DFB semiconductor laser amplifiers. Solid-State Electronics, 2009, 53, 79-85.	0.8	3
121	The relation between liquation and solidification cracks in pulsed laser welding of 2024 aluminium alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2009, 519, 167-171.	2.6	105
122	Noise analysis of coaxial Schottky barrier carbon nanotube fets using non equilibrium Green's function formalism. Open Physics, 2009, 7, .	0.8	0
123	The Numerical Modeling for Electrical Behavior of Graphene Nanoribbon in the Present of Optical Detection. , 2009, , .		0
124	Carbon Nanotube FET with Asymmetrical Contacts. Lecture Notes in Electrical Engineering, 2009, , 291-296.	0.3	0
125	Design, modeling and optimization of a piezoelectric pressure sensor based on thin-film PZT diaphragm contain of nanocrystalline powders. , 2009, , .		5
126	Schottky Barrier Field Effect Transistors with a Strained Carbon Nanotube Channel. Journal of Computational and Theoretical Nanoscience, 2009, 6, 1571-1579.	0.4	4

#	ARTICLE	IF	CITATIONS
127	Design of a novel periodic asymmetric intra-step-barrier coupled double strained quantum well electroabsorption modulator at 1.55 μ m. Solid-State Electronics, 2008, 52, 312-322.	0.8	12
128	DNA-templated gold nanowires. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 41, 142-145.	1.3	13
129	Tapered grating effects on static properties of a bistable QWS-DFB semiconductor laser amplifier. Solid-State Electronics, 2008, 52, 156-163.	0.8	8
130	Simulation of carbon nanotube FETs with linear doping profile near the source and drain contacts. Solid-State Electronics, 2008, 52, 980-985.	0.8	47
131	Modeling Electronic Properties of Multiwall Carbon Nanotubes. Fullerenes Nanotubes and Carbon Nanostructures, 2008, 16, 66-77.	1.0	17
132	Unipolar Schottky-Ohmic carbon nanotube field effect transistor. , 2008, , .		5
133	Optical bistability and switching performance in QWS distributed coupling coefficient DFB SLA’s. , 2008, , .		0
134	Non-uniform Grating Effects On Dynamic Characteristics of Bistable DFB Semiconductor Laser Amplifiers. , 2008, , .		0
135	Implementation of Split Step Method to Consider Gradual Changes of the Electric Field for Circuit Simulation of an Avalanche Photodetector. , 2008, , .		2
136	Investigating the Statistics of the Random Gain in Avalanche Photodiodes Using a Soft Dead Space Model. , 2008, , .		0
137	<title>Circuit model for segmented traveling-wave electroabsorption modulators</title>. Proceedings of SPIE, 2008, , .	0.8	0
138	Optical Bistability Behavior in a Distributed Coupling Coefficient Nonuniform DFB Semiconductor Laser Amplifier. , 2007, , .		0
139	Non-Uniform Grating Effects on Time-Dependent Bistable Characteristics of QWS-DFB Semiconductor Laser Amplifiers. , 2007, , .		0
140	Assessment of Damping Mechanisms Effect on High Frequency Transmission Behavior of Metallic Single Walled Carbon Nanotubes. , 2007, , .		2
141	Numerical Analysis of a MEMS-Actuated Photonic Crystal Switch. , 2007, , .		0
142	Effect of Soft Dead Space on the Mean Gain of Avalanche Photodiodes in Submicron Ranges. , 2007, , .		0
143	Distributed Coupling Coefficient DFB SOA-Based Optical Switch. , 2007, , .		1
144	DNA Nano-Gears. Molecular Simulation, 2007, 33, 1071-1081.	0.9	2

#	ARTICLE	IF	CITATIONS
145	Circuit model simulation for separate absorption, grading and multiplication avalanche photodiodes (SAGM-APD) considering gradual changes of the electric field in active region. , 2007, , .		1
146	Negative refraction and focusing analysis in a left-handed material slab and realization with a 3D photonic crystal structure. Journal of Optics, 2006, 8, 199-204.	1.5	2
147	Non-physical model of lossy transmission line for circuit simulation of segmented traveling wave electroabsorption modulators. , 2006, , .		0
148	SPICE model for microwave properties of traveling-wave electroabsorption modulators. , 2004, , .		0
149	Physical model for the transient response of a voltage-tunable optoelectronic integrated functional device. Physica Status Solidi C: Current Topics in Solid State Physics, 2003, 0, 961-966.	0.8	4
150	Numerical analysis for static and dynamic characteristics of an optical amplifier-switch integrated device. Scripta Materialia, 2001, 44, 1207-1212.	2.6	4
151	Numerical analysis for the characteristics of a QW-structure optoelectronic integrated device. , 0, , .		2
152	Analysis of the optical gain and rise time of a QW-structure optoelectronic integrated device. , 0, , .		1
153	Numerical analysis for the static and dynamic responses of an HPT/QW-LD optoelectronic integrated device. , 0, , .		1
154	A physical model for characteristics of PIN/QW-LD optoelectronic integrated device. , 0, , .		0
155	A new computer model for electroabsorption in multiple quantum-well optical modulator. , 0, , .		1
156	A new theoretical design optimization of multiple quantum-well electroabsorption modulator. , 0, , .		0
157	Finite element analysis and reduce order modeling of tunable vertical cavity laser diode. , 0, , .		1
158	Split-step fourier transform method in modeling of pulse propagation in dispersive nonlinear optical fibers. , 0, , .		7
159	Modeling of a Multilayer Wavelength Division Multiplexing Structure using Total-Field/Scattered-Field FDTD-PML Formulation. , 0, , .		0
160	Analysis of Injection-Locking Bistable Laser Diode with Frequency Chirping. , 0, , .		1