

Xiaofeng Li

List of Publications by Year in descending order

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179
papers

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159585

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all docs

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docs citations

181
times ranked

3552
citing authors

#	ARTICLE	IF	CITATIONS
1	High-Q collective Mie resonances in monocrystalline silicon nanoantenna arrays for the visible light. <i>Fundamental Research</i> , 2023, 3, 822-830.	3.3	11
2	Planar Dual-Layer System for Ultra-Broadband Absorption and Hot-Carrier Photodetection in Longwave Near-Infrared Band. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2022, 28, 1-9.	2.9	0
3	Self-Driving Perovskite Dember Photodetectors. <i>Advanced Optical Materials</i> , 2022, 10, 2101821.	7.3	7
4	Manipulating the directional emission of monolayer semiconductors by dielectric nanoantenna arrays. <i>Journal of Optics (United Kingdom)</i> , 2022, 24, 024005.	2.2	3
5	Recent Progress and Future Opportunities for Hot Carrier Photodetectors: From Ultraviolet to Infrared Bands. <i>Laser and Photonics Reviews</i> , 2022, 16, .	8.7	26
6	Passive and Dynamic Phase-Change-Based Radiative Cooling in Outdoor Weather. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 14313-14320.	8.0	27
7	Enhancing Hot-Electron Photodetection of a TiO ₂ /Au Schottky Junction by Employing a Hybrid Plasmonic Nanostructure. <i>Materials</i> , 2022, 15, 2737.	2.9	4
8	Efficient Flexible Perovskite Solar Cells with Reduced Hysteresis Employing Cobalt Nitrate Treated SnO ₂ . <i>Solar Rrl</i> , 2022, 6, .	5.8	7
9	Back Interface Passivation for Efficient Low-Bandgap Perovskite Solar Cells and Photodetectors. <i>Nanomaterials</i> , 2022, 12, 2065.	4.1	3
10	Low Band Gap Perovskite Concentrator Solar Cells: Physics, Device Simulation, and Experiment. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 29856-29866.	8.0	1
11	Photo-assisted decoration of Ag-Pt nanoparticles on Si photocathodes for reducing overpotential toward enhanced photoelectrochemical water splitting. <i>Science China Materials</i> , 2022, 65, 3033-3042.	6.3	4
12	2D MXenes for Hot-Carrier Photodetection. <i>Advanced Optical Materials</i> , 2022, 10, .	7.3	7
13	High performance of hot-carrier generation, transport and injection in TiN/TiO ₂ junction. <i>Frontiers of Physics</i> , 2022, 17, .	5.0	1
14	Synthetic Plasmonic Nanocircuits and the Evolution of Their Correlated Spatial Arrangement and Resonance Spectrum. <i>ACS Photonics</i> , 2021, 8, 166-174.	6.6	6
15	Core-Shell Single-Nanowire Photodetector with Radial Carrier Transport: an Opportunity to Break the Responsivity-Speed Trade-off. <i>Advanced Electronic Materials</i> , 2021, 7, 2000920.	5.1	7
16	Single-nanowire silicon photodetectors with core-shell radial Schottky junction for self-powering application. <i>Applied Physics Letters</i> , 2021, 118, .	3.3	4
17	Energy Tracing of Photovoltaic Cells. <i>Solar Rrl</i> , 2021, 5, 2100199.	5.8	5
18	Multiscale evaluation of microscopic stitching with tilt compensation based on metal engineering surfaces. <i>Measurement: Journal of the International Measurement Confederation</i> , 2021, 176, 109183.	5.0	0

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19	Nanobowls-assisted broadband absorber for unbiased Si-based infrared photodetection. Optics Express, 2021, 29, 15505.	3.4	13
20	Characterizing the chaotic dynamics of a semiconductor nanolaser subjected to FBG feedback. Optics Express, 2021, 29, 17815.	3.4	4
21	Direct growth of hematite film on p+n-silicon micro-pyramid arrays for low-bias water splitting. Solar Energy Materials and Solar Cells, 2021, 224, 110987.	6.2	4
22	Single-shot Interaction and Synchronization of Random Microcavity Lasers. Advanced Materials Technologies, 2021, 6, 2100562.	5.8	6
23	Energy Tracing of Photovoltaic Cells. Solar Rrl, 2021, 5, 2170072.	5.8	1
24	Ambipolar Self-Driving Polarized Photodetection. ACS Photonics, 2021, 8, 2459-2465.	6.6	8
25	Passive radiative temperature regulator: Principles and absorption-emission manipulation. Solar Energy Materials and Solar Cells, 2021, 229, 111143.	6.2	7
26	Flexible semitransparent perovskite solar cells with gradient energy levels enable efficient tandems with Cu(In,Ga)Se ₂ . Nano Energy, 2020, 78, 105378.	16.0	28
27	Size-dependent performances in homogeneous, controllable, and large-area silicon wire array photocathode. Journal of Power Sources, 2020, 473, 228580.	7.8	13
28	Synergistic engineering of bromine and cetyltrimethylammonium chloride molecules enabling efficient and stable flexible perovskite solar cells. Journal of Materials Chemistry A, 2020, 8, 19425-19433.	10.3	9
29	Underlayer engineering into the Sn-doped hematite photoanode for facilitating carrier extraction. Physical Chemistry Chemical Physics, 2020, 22, 7306-7313.	2.8	12
30	Heterojunction Perovskite Solar Cells: Opto-Electro-Thermal Physics, Modeling, and Experiment. ACS Nano, 2020, 14, 5017-5026.	14.6	40
31	Two dimensional graphitic carbon nitride quantum dots modified perovskite solar cells and photodetectors with high performances. Journal of Power Sources, 2020, 451, 227825.	7.8	44
32	Tin and Oxygen-Vacancy Co-doping into Hematite Photoanode for Improved Photoelectrochemical Performances. Nanoscale Research Letters, 2020, 15, 54.	5.7	22
33	Tunable infrared hot-electron photodetection by exciting gap-mode plasmons with wafer-scale gold nanohole arrays. Optics Express, 2020, 28, 6511.	3.4	18
34	Optically injected nanolasers for time-delay signature suppression and communications. Optics Express, 2020, 28, 26421.	3.4	15
35	Easy-to-process and high-performance colorful perovskite solar cells using a multilayer planar filter. Optics Letters, 2020, 45, 6326.	3.3	4
36	Radiative cooling of solar cells: opto-electro-thermal physics and modeling. Nanoscale, 2019, 11, 17073-17083.	5.6	66

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37	Photonic Design and Electrical Evaluation of Dual-Functional Solar Cells for Energy Conversion and Display Applications. <i>Nanoscale Research Letters</i> , 2019, 14, 70.	5.7	10
38	Colored Radiative Cooler under Optical Tamm Resonance. <i>ACS Photonics</i> , 2019, 6, 2545-2552.	6.6	70
39	Self-improvement of solar water oxidation for the continuously-irradiated hematite photoanode. <i>Dalton Transactions</i> , 2019, 48, 15151-15159.	3.3	15
40	Planar dual-cavity hot-electron photodetectors. <i>Nanoscale</i> , 2019, 11, 1396-1402.	5.6	24
41	Regulating the Silicon/Hematite Microwire Photoanode by the Conformal Al ₂ O ₃ Intermediate Layer for Water Splitting. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 5978-5988.	8.0	33
42	Opto-electro-thermal simulation technology of solar cells. <i>Journal of Semiconductors</i> , 2019, 40, 050403.	3.7	1
43	Physics and Optoelectronic Simulation of Photodetectors Based on 2D Materials. <i>Advanced Optical Materials</i> , 2019, 7, 1900410.	7.3	23
44	Improving Performance and Stability of Planar Perovskite Solar Cells through Grain Boundary Passivation with Block Copolymers. <i>Solar Rrl</i> , 2019, 3, 1900078.	5.8	40
45	Photodetection by Hot Electrons or Hot Holes: A Comparable Study on Physics and Performances. <i>ACS Omega</i> , 2019, 4, 6020-6027.	3.5	33
46	Polaritonic manipulation based on the spin-selective optical Stark effect in the WS ₂ and Tamm plasmon hybrid structure. <i>Nanoscale</i> , 2019, 11, 4571-4577.	5.6	9
47	Gap-mode excitation, manipulation, and refractive-index sensing application by gold nanocube arrays. <i>Nanoscale</i> , 2019, 11, 5467-5473.	5.6	16
48	Planar, narrowband, and tunable photodetection in the near-infrared with Au/TiO ₂ nanodiodes based on Tamm plasmons. <i>Nanoscale</i> , 2019, 11, 23182-23187.	5.6	12
49	Narrowband and Full-Angle Refractive Index Sensor Based on a Planar Multilayer Structure. <i>IEEE Sensors Journal</i> , 2019, 19, 2924-2930.	4.7	23
50	Thermodynamic loss mechanisms and strategies for efficient hot-electron photoconversion. <i>Nano Energy</i> , 2019, 55, 164-172.	16.0	50
51	Vibration detection schemes based on absorbance tuning in monolayer molybdenum disulfide mechanical resonators. <i>2D Materials</i> , 2019, 6, 011003.	4.4	4
52	Simultaneously performing optical and electrical responses from a plasmonic sensor based on gold/silicon Schottky junction. <i>Optics Express</i> , 2019, 27, 38382.	3.4	21
53	Planar Narrowband Hot-Electron Photodetector Based on Tamm Plasmons. , 2019, , .		1
54	Facile Preparation of n-Type LaFeO ₃ Perovskite Film for Efficient Photoelectrochemical Water Splitting. <i>ChemistrySelect</i> , 2018, 3, 968-972.	1.5	29

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55	Photonic surface waves enabled perfect infrared absorption by monolayer graphene. <i>Nano Energy</i> , 2018, 48, 161-169.	16.0	33
56	Optoelectronic modeling of the Si/In ₂ S ₃ -Fe ₂ O ₃ heterojunction photoanode. <i>Nano Energy</i> , 2018, 43, 177-183.	16.0	34
57	Physical manipulation of ultrathin-film optical interference for super absorption and two-dimensional heterojunction photoconversion. <i>Chinese Physics B</i> , 2018, 27, 124202.	1.4	2
58	Broadband Light Harvesting for Highly Efficient Hot-Electron Application Based on Conformal Metallic Nanorod Arrays. <i>ACS Photonics</i> , 2018, 5, 5079-5085.	6.6	26
59	Perovskite Solar Cells: Optoelectronic Simulation and Optimization (Solar RRL 11 th 2018). <i>Solar Rrl</i> , 2018, 2, 1870227.	5.8	5
60	Refractive index sensor based on graphene-coated photonic surface-wave resonance. <i>Optics Letters</i> , 2018, 43, 639.	3.3	32
61	Polarization-insensitive hot-electron infrared photodetection by double Schottky junction and multilayer grating. <i>Optics Letters</i> , 2018, 43, 3325.	3.3	10
62	Tunable light absorbance by exciting the plasmonic gap mode for refractive index sensing. <i>Optics Letters</i> , 2018, 43, 1427.	3.3	22
63	Theoretical analysis of graphene plasmon cavities. <i>Applied Materials Today</i> , 2018, 12, 283-293.	4.3	12
64	Perovskite Solar Cells: Optoelectronic Simulation and Optimization. <i>Solar Rrl</i> , 2018, 2, 1800126.	5.8	39
65	Modulating oxygen vacancies in Sn-doped hematite film grown on silicon microwires for photoelectrochemical water oxidation. <i>Journal of Materials Chemistry A</i> , 2018, 6, 15593-15602.	10.3	53
66	Planar Hot-Electron Photodetection with Tamm Plasmons. <i>ACS Nano</i> , 2017, 11, 1719-1727.	14.6	115
67	Plasmonics and Antenna Effect Mediated Super Absorption in Ultrathin Film via Core/Shell Design. <i>IEEE Photonics Technology Letters</i> , 2017, 29, 893-896.	2.5	0
68	Si microwire array photoelectrochemical cells: Stabilized and improved performances with surface modification of Pt nanoparticles and TiO ₂ ultrathin film. <i>Journal of Power Sources</i> , 2017, 342, 460-466.	7.8	18
69	Schottky hot-electron photodetector by cavity-enhanced optical Tamm resonance. <i>Applied Physics Letters</i> , 2017, 110, .	3.3	23
70	Photovoltaic Devices: Opto-Electro-Thermal Physics and Modeling. <i>Advanced Materials</i> , 2017, 29, 1603492.	21.0	87
71	Optoelectronic insights into the photovoltaic losses from photocurrent, voltage, and energy perspectives. <i>AIP Advances</i> , 2017, 7, .	1.3	12
72	Infrared Nanoimaging Reveals the Surface Metallic Plasmons in Topological Insulator. <i>ACS Photonics</i> , 2017, 4, 3055-3062.	6.6	27

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73	Graphene Plasmon Cavities Made with Silicon Carbide. ACS Omega, 2017, 2, 3640-3646.	3.5	35
74	The Role of Master Laser with Feedback in Time-Delay Signature Suppression of Semiconductor Laser Subject to Chaotic Optical Injection. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2017, 27, 1750169.	1.7	2
75	Nanoparticle mediated microcavity random laser. Photonics Research, 2017, 5, 557.	7.0	11
76	Silicon-gold core-shell nanowire array for an optically and electrically characterized refractive index sensor based on plasmonic resonance and Schottky junction. Optics Letters, 2017, 42, 1225.	3.3	21
77	Enhanced light-harvesting capability for silicon single-nanowire solar cells coupled with metallic cavity. Optics Express, 2016, 24, A1505.	3.4	1
78	Hybrid Solar Cells: Enhanced Electro-Optical Properties of Nanocone/Nanopillar Dual-Structured Arrays for Ultrathin Silicon/Organic Hybrid Solar Cell Applications (Adv. Energy Mater. 8/2016). Advanced Energy Materials, 2016, 6, .	19.5	3
79	Scattering effect of the high-index dielectric nanospheres for high performance hydrogenated amorphous silicon thin-film solar cells. Scientific Reports, 2016, 6, 30503.	3.3	36
80	Broadband and wide-angle light harvesting by ultra-thin silicon solar cells with partially embedded dielectric spheres. Optics Letters, 2016, 41, 1329.	3.3	26
81	Wafer-Scale Integration of Inverted Nanopyramid Arrays for Advanced Light Trapping in Crystalline Silicon Thin Film Solar Cells. Nanoscale Research Letters, 2016, 11, 194.	5.7	27
82	Planar microcavity-integrated hot-electron photodetector. Nanoscale, 2016, 8, 10323-10329.	5.6	35
83	Optoelectronic investigation of monolayer MoS ₂ /WSe ₂ vertical heterojunction photoconversion devices. Nano Energy, 2016, 30, 260-266.	16.0	31
84	Polarization-dependent excitation of Tamm plasmon and surface plasmon in one hybrid optical structure. , 2016, , .		0
85	Conformal TCO-semiconductor-metal nanowire array for narrowband and polarization-insensitive hot-electron photodetection application. Journal of Photonics for Energy, 2016, 6, 042502.	1.3	9
86	Design of asymmetric nanovoid resonator for silicon-based single-nanowire solar absorbers. Nano Energy, 2016, 27, 611-618.	16.0	12
87	Optoelectronic design on the hot-carrier photodetectors. , 2016, , .		0
88	Optoelectronic and thermodynamic simulation of solar cells. , 2016, , .		0
89	Facile fabrication of wafer-scale, micro-spacing and high-aspect-ratio silicon microwire arrays. RSC Advances, 2016, 6, 87486-87492.	3.6	12
90	Stabilized and Improved Photoelectrochemical Responses of Silicon Nanowires Modified with Ag@SiO ₂ Nanoparticles and Crystallized TiO ₂ Film. ACS Applied Materials & Interfaces, 2016, 8, 30072-30078.	8.0	14

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91	Enhanced Photoelectrical Response of Hydrogenated Amorphous Silicon Single-Nanowire Solar Cells by Front-Opening Crescent Design. <i>Nanoscale Research Letters</i> , 2016, 11, 233.	5.7	12
92	Enhanced Electro-Optical Properties of Nanocone/Nanopillar Dual-Structured Arrays for Ultrathin Silicon/Organic Hybrid Solar Cell Applications. <i>Advanced Energy Materials</i> , 2016, 6, 1501793.	19.5	75
93	Optoelectronic and Thermodynamic Study of Solar Cells. , 2016, , .		0
94	Strong and highly asymmetrical optical absorption in conformal metal-semiconductor-metal grating system for plasmonic hot-electron photodetection application. <i>Scientific Reports</i> , 2015, 5, 14304.	3.3	36
95	Study on limiting efficiencies of a-Si:H/ $\text{Si}^{1/4}\text{c-Si:H}$ -based single-nanowire solar cells under single and tandem junction configurations. <i>Applied Physics Letters</i> , 2015, 107, 181106.	3.3	0
96	Highly efficient ultra-thin crystalline silicon solar cell with plasmonic cavities. <i>International Journal of Nanotechnology</i> , 2015, 12, 769.	0.2	1
97	High-efficiency photon capturing in ultrathin silicon solar cells with front nanobowl texture and truncated-nanopyramid reflector. <i>Optics Letters</i> , 2015, 40, 1077.	3.3	31
98	Broadband enhancement of coaxial heterogeneous gallium arsenide single-nanowire solar cells. <i>Progress in Photovoltaics: Research and Applications</i> , 2015, 23, 628-636.	8.1	29
99	Nanowire and nanohole silicon solar cells: a thorough optoelectronic evaluation. <i>Progress in Photovoltaics: Research and Applications</i> , 2015, 23, 1734-1741.	8.1	35
100	Limiting efficiency calculation of silicon single-nanowire solar cells with considering Auger recombination. <i>Applied Physics Letters</i> , 2015, 106, .	3.3	10
101	Coaxial Ag/ZnO/Ag nanowire for highly sensitive hot-electron photodetection. <i>Applied Physics Letters</i> , 2015, 106, 081109.	3.3	12
102	Omnidirectional absorption enhancement of symmetry-broken crescent-deformed single-nanowire photovoltaic cells. <i>Nano Energy</i> , 2015, 13, 9-17.	16.0	26
103	Infrared hot-carrier photodetection based on planar perfect absorber. <i>Optics Letters</i> , 2015, 40, 4261.	3.3	28
104	Proximity effect assisted absorption enhancement in thin film with locally clustered nanoholes. <i>Optics Letters</i> , 2015, 40, 792.	3.3	4
105	Stark effect induced microcavity polariton solitons. <i>Optics Express</i> , 2015, 23, 15762.	3.4	9
106	A highly efficient thermo-optic microring modulator assisted by graphene. <i>Nanoscale</i> , 2015, 7, 20249-20255.	5.6	99
107	Light Trapping Enhancement in a Thin Film with 2D Conformal Periodic Hexagonal Arrays. <i>Nanoscale Research Letters</i> , 2015, 10, 988.	5.7	11
108	Surface-plasmon enhanced photodetection at communication band based on hot electrons. <i>Journal of Applied Physics</i> , 2015, 118, .	2.5	22

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109	Carrier depletion and electrical optimization of gallium arsenide plasmonic solar cell with a rear metallic grating. Applied Physics Letters, 2015, 106, .	3.3	11
110	Improved optical absorption of silicon single-nanowire solar cells by off-axial core/shell design. Nano Energy, 2015, 17, 233-240.	16.0	23
111	Enhanced Light Trapping in a-Si:H/ μ c-Si:H Tandem Solar Cells via Nanopatterning Top Absorber and Embedding Wavelength-Selective Intermediate Reflectors. IEEE Journal of Photovoltaics, 2015, 5, 46-54.	2.5	2
112	Influences of Metal Nanoparticles on the Photoelectrochemical Activity of Silicon Nanowires for Photon Harvesting. , 2015, , .		0
113	A complete simulation of nanostructured solar cells considering absorption and photoconversion processes. , 2015, , .		0
114	Enhanced photoabsorption in front-tapered single-nanowire solar cells. Optics Letters, 2014, 39, 5756.	3.3	14
115	Absorption enhancement of single silicon nanowire by tailoring rear metallic film for photovoltaic applications. Optics Letters, 2014, 39, 817.	3.3	11
116	Design of μ c-Si:H/a-Si:H coaxial tandem single-nanowire solar cells considering photocurrent matching. Optics Express, 2014, 22, A1761.	3.4	12
117	Plasmon gap mode-assisted third-harmonic generation from metal film-coupled nanowires. Applied Physics Letters, 2014, 104, .	3.3	21
118	Design of dual-diameter nanoholes for efficient solar-light harvesting. Nanoscale Research Letters, 2014, 9, 481.	5.7	19
119	Enhanced Photoelectrochemical Response of Silicon Nanowire Arrays through Coating the Carbon Shell. Journal of the Electrochemical Society, 2014, 161, H240-H243.	2.9	7
120	A new method for measuring wetness of flowing steam based on surface plasmon resonance. Nanoscale Research Letters, 2014, 9, 18.	5.7	8
121	Plasmonic Filter Using Metal-Insulator-Metal Waveguide with Phase Shifts and its Transmission Characteristics. Plasmonics, 2014, 9, 887-892.	3.4	14
122	Performance-improved thin-film a-Si:H/ μ c-Si:H tandem solar cells by two-dimensionally nanopatterning photoactive layer. Nanoscale Research Letters, 2014, 9, 73.	5.7	5
123	Reflective plasmonic waveplates based on metal-insulator-metal subwavelength rectangular annular arrays. Photonics and Nanostructures - Fundamentals and Applications, 2014, 12, 189-198.	2.0	6
124	Plasmonic Fano resonances in nanohole quadrumers for ultra-sensitive refractive index sensing. Nanoscale, 2014, 6, 4705-4715.	5.6	129
125	Enhanced Photoresponsivity of a Germanium Single-Nanowire Photodetector Confined within a Superwavelength Metallic Slit. ACS Photonics, 2014, 1, 483-488.	6.6	14
126	Multi-dimensional modeling of solar cells with electromagnetic and carrier transport calculations. Progress in Photovoltaics: Research and Applications, 2013, 21, 109-120.	8.1	122

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127	Near-perfect absorber with ultrawide bandwidth in infrared region using a periodically chirped structure. Optics Communications, 2013, 305, 212-216.	2.1	15
128	Numerical Simulation of Light-Trapping and Photoelectric Conversion in Single Nanowire Silicon Solar Cells. IEEE Journal of Selected Topics in Quantum Electronics, 2013, 19, 1-8.	2.9	21
129	Al nanoparticle arrays for broadband absorption enhancements in GaAs devices. , 2013, , .		0
130	Quarter-wave plate with subwavelength rectangular annular arrays. Optics Communications, 2013, 297, 198-203.	2.1	8
131	High-uniformity multichannel plasmonic filter using linearly lengthened insulators in metal-insulator-metal waveguide. Optics Letters, 2013, 38, 1585.	3.3	42
132	Broadband, polarization-insensitive and wide-angle absorption enhancement of a-Si:H/ $\lambda/4$ -c-Si:H tandem solar cells by nanopatterning a-Si:H layer. Optics Express, 2013, 21, A677.	3.4	12
133	Ultra-broadband performance enhancement of thin-film amorphous silicon solar cells with conformal zigzag configuration. Optics Letters, 2013, 38, 5071.	3.3	13
134	Enhanced external quantum efficiency in rectangular single nanowire solar cells. Applied Physics Letters, 2013, 102, 021101.	3.3	36
135	Loss mitigation in plasmonic solar cells: aluminium nanoparticles for broadband photocurrent enhancements in GaAs photodiodes. Scientific Reports, 2013, 3, 2874.	3.3	125
136	Aluminum Nanoparticles for Efficient Light-trapping in Plasmonic Gallium Arsenide Solar Cells. , 2012, , .		0
137	3D device simulation of plasmonic solar cells. , 2012, , .		0
138	An Index-Guided ZnO Random Laser Array. IEEE Photonics Technology Letters, 2011, 23, 522-524.	2.5	5
139	Bridging electromagnetic and carrier transport calculations for three-dimensional modelling of plasmonic solar cells. Optics Express, 2011, 19, A888.	3.4	130
140	Experimental demonstration of near-field focusing of a phase micro-Fresnel zone plate (FZP) under linearly polarized illumination. Applied Physics B: Lasers and Optics, 2011, 102, 95-100.	2.2	18
141	Observation of Tamm plasmon polaritons in visible regime from ZnO/Al ₂ O ₃ distributed Bragg reflector-Ag interface. Optics Communications, 2011, 284, 1890-1892.	2.1	16
142	Excitation and Optimization Modeling of Surface Plasmon Polaritons in a Concentric Circular Metallic Grating Film. Plasmonics, 2010, 5, 69-74.	3.4	3
143	Extremely High Sensitive Plasmonic Refractive Index Sensors Based on Metallic Grating. Plasmonics, 2010, 5, 389-394.	3.4	32
144	Diffraction Characteristics of Concentric Circular Metal Grating Operating at Terahertz Regime. IEEE Journal of Quantum Electronics, 2010, 46, 898-905.	1.9	5

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145	Long-wavelength optical transmission of extremely narrow slits via hybrid surface-plasmon and Fabry-Pérot modes. <i>Journal of Applied Physics</i> , 2010, 108, 013302.	2.5	10
146	Design of low-threshold compact Au-nanoparticle lasers. <i>Optics Letters</i> , 2010, 35, 2535.	3.3	30
147	Random laser action in dielectric-metal-dielectric surface plasmon waveguides. <i>Applied Physics Letters</i> , 2009, 95, 231114.	3.3	13
148	Modal characteristics of terahertz surface-emitting distributed-feedback lasers with a second-order concentric-circular metal grating. <i>Journal of Applied Physics</i> , 2009, 106, 053103.	2.5	7
149	Design and analysis of two-dimensional high-index-contrast grating surface-emitting lasers. <i>Optics Express</i> , 2009, 17, 260.	3.4	11
150	Design and analysis of a surface plasmon polariton modulator using the electro-optic effect. <i>Applied Optics</i> , 2009, 48, 6600.	2.1	8
151	Subwavelength focusing behavior of high numerical-aperture phase Fresnel zone plates under various polarization states. <i>Applied Physics Letters</i> , 2009, 95, .	3.3	42
152	Suppression of Random Lasing Modes in Polycrystalline ZnO Thin-Film by Using Distributed Bragg Reflector. <i>IEEE Photonics Technology Letters</i> , 2009, 21, 549-551.	2.5	2
153	ZnO/ZnMgO Multiple Quantum-Well Ridge Waveguide Lasers. <i>IEEE Photonics Technology Letters</i> , 2009, 21, 1624-1626.	2.5	3
154	A surface-emitting distributed-feedback plasmonic laser. <i>Applied Physics Letters</i> , 2009, 95, 141114.	3.3	11
155	Analysis and Design of Antiresonant Reflecting Optical Waveguide Vertical-Cavity Surface-Emitting Lasers for Above-Threshold Operation. <i>Journal of Lightwave Technology</i> , 2008, 26, 1935-1942.	4.6	1
156	Multiple-Mode Behavior of Circular-Grating-Coupled Distributed Feedback Lasers. <i>Journal of Lightwave Technology</i> , 2008, 26, 3345-3354.	4.6	2
157	Polarization-resolved dynamics of asymmetrically coupled vertical-cavity surface-emitting lasers. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2008, 25, 153.	2.1	9
158	Surface plasmonic lasing via the amplification of coupled surface plasmon waves inside dielectric-metal-dielectric waveguides. <i>Optics Express</i> , 2008, 16, 16113.	3.4	15
159	Modeling of Rabi splitting in quantum well microcavities using time-dependent transfer matrix method. <i>Optics Express</i> , 2008, 16, 19285.	3.4	2
160	Design of Stable Single-Mode Chaotic Light Source Using Antiresonant Reflecting Optical Waveguide Vertical-Cavity Surface-Emitting Lasers. <i>IEEE Journal of Quantum Electronics</i> , 2008, 44, 338-345.	1.9	1
161	Static and Dynamic Modeling of Circular Grating-Coupled Distributed Feedback Lasers. <i>IEEE Journal of Quantum Electronics</i> , 2008, 44, 770-776.	1.9	14
162	Polarization switching and synchronization of mutually coupled vertical-cavity surface-emitting semiconductor lasers. <i>Chinese Physics B</i> , 2007, 16, 1996-2002.	1.3	4

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163	Polarization switching of mutually coupled vertical-cavity surface-emitting lasers. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2007, 24, 1276.	2.1	28
164	Influence of polarization-selected mutual injection on the polarization-switching dynamics of vertical-cavity surface-emitting lasers. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2007, 24, 2472.	2.1	3
165	Theoretical study on polarization dynamics of VCSELs with negative optoelectronic feedback. <i>Applied Optics</i> , 2007, 46, 7262.	2.1	23
166	Nonlinear dynamics and localized synchronization in mutually coupled VCSELs. <i>Optics and Laser Technology</i> , 2007, 39, 875-880.	4.6	10
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