

Malin Harindhu Premaratne

List of Publications by Year in descending order

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261
papers

6,181
citations

71061

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h-index

110317

64
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265
all docs

265
docs citations

265
times ranked

5341
citing authors

#	ARTICLE	IF	CITATIONS
1	Unveiling radial breathing mode in a particle-on-mirror plasmonic nanocavity. <i>Nanophotonics</i> , 2022, 11, 487-494.	2.9	9
2	Coherent and incoherent laser pump on a five-level atom in a strongly coupled cavity-QED system. <i>Physical Review A</i> , 2022, 105, .	1.0	8
3	Generalized model for the charge transport properties of dressed quantum Hall systems. <i>Physical Review B</i> , 2022, 105, .	1.1	6
4	Thermoresponsive chiral plasmonic nanoparticles. <i>Nanoscale</i> , 2022, 14, 4292-4303.	2.8	6
5	Towards quantum thermal multi-transistor systems: Energy divider formalism. <i>Physical Review B</i> , 2022, 105, .	1.1	5
6	Effect of logarithmic perturbations in ohmic like spectral densities in dynamics of electronic excitation using variational polaron transformation approach. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 145304.	0.7	4
7	Augmenting photoluminescence of monolayer MoS ₂ using high order modes in a metal dimer-on-film nanocavity. <i>Photonics Research</i> , 2021, 9, 501.	3.4	12
8	Tunable plasmonic resonator using conductivity modulated Bragg reflectors. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 245301.	0.7	5
9	Darlington pair of quantum thermal transistors. <i>Physical Review B</i> , 2021, 104, .	1.1	16
10	Directional energy transport in strongly coupled chiral quantum emitter plasmonic nanostructures. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 475301.	0.7	1
11	Task-evoked simultaneous FDG-PET and fMRI data for measurement of neural metabolism in the human visual cortex. <i>Scientific Data</i> , 2021, 8, 267.	2.4	2
12	Chiral Plasmonic Ellipsoids: An Extended Mie-Gans Model. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 11214-11219.	2.1	8
13	Two-Dimensional Nanoassemblies from Plasmonic Matryoshka Nanoframes. <i>Journal of Physical Chemistry C</i> , 2021, 125, 27753-27762.	1.5	5
14	Impact of a charged neighboring particle on Förster resonance energy transfer (FRET). <i>Journal of Physics Condensed Matter</i> , 2020, 32, 095305.	0.7	5
15	Control of quantum emitter-plasmon strong coupling and energy transport with external electrostatic fields. <i>Journal of Physics Condensed Matter</i> , 2020, 32, 125301.	0.7	7
16	Plasmonic Properties of Metallic Nanoshells in the Quantum Limit: From Single Particle Excitations to Plasmons. <i>Journal of Physical Chemistry C</i> , 2020, 124, 27694-27708.	1.5	19
17	Simultaneous BOLD-fMRI and constant infusion FDG-PET data of the resting human brain. <i>Scientific Data</i> , 2020, 7, 363.	2.4	26
18	Plasmene nanosheets as optical skin strain sensors. <i>Nanoscale Horizons</i> , 2020, 5, 1515-1523.	4.1	17

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19	Optically controlled quantum thermal gate. <i>Physical Review B</i> , 2020, 101, .	1.1	19
20	Analysis of continuous infusion functional PET (fPET) in the human brain. <i>NeuroImage</i> , 2020, 213, 116720.	2.1	20
21	Broken poloidal symmetry and plasmonic eigenmodes on a torus. <i>Physical Review B</i> , 2020, 101, .	1.1	0
22	Nonequilibrium cavity QED model accounting for dipole-dipole interaction in strong-, ultrastrong-, and deep-strong-coupling regimes. <i>Physical Review A</i> , 2020, 102, .	1.0	13
23	Optical trapping of single nano-size particles using a plasmonic nanocavity. <i>Journal of Physics Condensed Matter</i> , 2020, 32, 475301.	0.7	8
24	Reversible optical binding force in a plasmonic heterodimer under radially polarized beam illumination. <i>Optics Express</i> , 2020, 28, 3000.	1.7	6
25	Advanced encryption method realized by secret shared phase encoding scheme using a multi-wavelength metasurface. <i>Nanophotonics</i> , 2020, 9, 3687-3696.	2.9	42
26	Ultrathin Fresnel lens based on plasmene nanosheets. <i>Materials Today</i> , 2019, 23, 9-15.	8.3	15
27	Cavity quantum electrodynamic analysis of spasing in nanospherical dimers. <i>Physical Review B</i> , 2019, 100, .	1.1	13
28	Plasmonic metaresonances: harnessing nonlocal effects for prospective biomedical applications. <i>Journal of Physics Condensed Matter</i> , 2019, 31, 325301.	0.7	9
29	Photon Spin Hall Effect-Based Ultra-Thin Transmissive Metasurface for Efficient Generation of OAM Waves. <i>IEEE Transactions on Antennas and Propagation</i> , 2019, 67, 4650-4658.	3.1	147
30	High Efficiency Ultrathin Transmissive Metasurfaces. <i>Advanced Optical Materials</i> , 2019, 7, 1801628.	3.6	176
31	Significance of the nonlocal optical response of metal nanoparticles in describing the operation of plasmonic lasers. <i>Physical Review B</i> , 2019, 99, .	1.1	14
32	Source-Based Jamming for Physical-Layer Security on Untrusted Full-Duplex Relay. <i>IEEE Communications Letters</i> , 2019, 23, 842-846.	2.5	14
33	Dual-Functional Coding Metasurfaces Made of Anisotropic All-Dielectric Resonators. <i>IEEE Access</i> , 2019, 7, 45716-45722.	2.6	37
34	Site-specific Ag coating on concave Au nanoarrows by controlling the surfactant concentration. <i>Nanoscale Horizons</i> , 2019, 4, 940-946.	4.1	11
35	Comparison of the permittivity sensing capabilities of graphene-based nanohybrids and metal nanoparticle-based nanohybrids. , 2019, , .		0
36	Machine learning based temperature prediction of poly(<i>N</i> -isopropylacrylamide)-capped plasmonic nanoparticle solutions. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 24808-24819.	1.3	2

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37	Menelik: A detailed anatomical human head model for electromagnetic computations. , 2019, , .		0
38	Superradiant Cancer Hyperthermia Using a Buckyball Assembly of Quantum Dot Emitters. IEEE Journal of Selected Topics in Quantum Electronics, 2019, 25, 1-8.	1.9	11
39	Scattering characteristics of an exciton-plasmon nanohybrid made by coupling a monolayer graphene nanoflake to a carbon nanotube. Journal of Physics Condensed Matter, 2019, 31, 085302.	0.7	8
40	Design of a Broadband Metasurface Luneburg Lens for Full-Angle Operation. IEEE Transactions on Antennas and Propagation, 2019, 67, 2442-2451.	3.1	89
41	Unidirectional scattering exploited transverse displacement sensor with tunable measuring range. Optics Express, 2019, 27, 4944.	1.7	15
42	Selective excitation of a three-dimensionally oriented single plasmonic dipole. Photonics Research, 2019, 7, 693.	3.4	10
43	Experimental demonstration of an electrically tunable broadband coherent perfect absorber based on a grapheneâ€œelectrolyteâ€œgraphene sandwich structure. Photonics Research, 2019, 7, 868.	3.4	65
44	Radial breathing modes coupling in plasmonic molecules. Optics Express, 2019, 27, 5116.	1.7	2
45	Enhanced second-harmonic generation assisted by breathing mode in a multi-resonant plasmonic trimer. Optics Letters, 2019, 44, 3813.	1.7	2
46	Electroconvulsive therapy (ECT) during pregnancy: quantifying and assessing the electric field strength inside the foetal brain. Scientific Reports, 2018, 8, 4128.	1.6	7
47	Generalized superradiant assembly for nanophotonic thermal emitters. Physical Review B, 2018, 97, .	1.1	14
48	Ultrathin 2D Transition Metal Carbides for Ultrafast Pulsed Fiber Lasers. ACS Photonics, 2018, 5, 1808-1816.	3.2	148
49	Enhanced second harmonic generation from a plasmonic Fano structure subjected to an azimuthally polarized light beam. Journal of Physics Condensed Matter, 2018, 30, 064004.	0.7	7
50	Optoelectronic figure of merit of a metal nanoparticleâ€œquantum dot (MNP-QD) hybrid molecule for assessing its suitability for sensing applications. Journal of Physics Condensed Matter, 2018, 30, 054006.	0.7	22
51	Shape Transformation of Constituent Building Blocks within Self-Assembled Nanosheets and Nano-origami. ACS Nano, 2018, 12, 1014-1022.	7.3	18
52	Thermoresponsive Nanohybrids for Tumor Imaging. , 2018, , .		1
53	Enhanced Superradiant Cancer Hyperthermia using a Ring Shaped Assembly of Quantum Dots. , 2018, , .		0
54	Exciton behavior under the influence of metal nanoparticle near fields: Significance of nonlocal effects. Physical Review B, 2018, 98, .	1.1	19

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55	Improved Dynamic PET Reconstruction Using Temporal Decoding. , 2018, , .		0
56	Complete characterization of the spasing (L-L) curve of a three-level quantum coherence enhanced spaser for design optimization. Applied Physics Letters, 2018, 112, .	1.5	24
57	Water metamaterial for ultra-broadband and wide-angle absorption. Optics Express, 2018, 26, 5052.	1.7	92
58	Sub-10nm particle trapping enabled by a plasmonic dark mode. Optics Letters, 2018, 43, 3413.	1.7	20
59	Cylindrical vector beam-excited frequency-tunable second harmonic generation in a plasmonic octamer. Photonics Research, 2018, 6, 157.	3.4	22
60	Improved scheme for modeling a spaser made of identical gain elements. Journal of the Optical Society of America B: Optical Physics, 2018, 35, 1397.	0.9	18
61	2D Binary Plasmonic Nanoassemblies with Semiconductor n/p-Doping-Like Properties. Advanced Materials, 2018, 30, e1801118.	11.1	28
62	Fano resonance with high local field enhancement under azimuthally polarized excitation. Scientific Reports, 2017, 7, 1049.	1.6	13
63	Theory and technology of SPASERs. Advances in Optics and Photonics, 2017, 9, 79.	12.1	95
64	Open Resonator Electric Spaser. ACS Nano, 2017, 11, 12573-12582.	7.3	52
65	Controlling resonance energy transfer in nanostructure emitters by positioning near a mirror. Journal of Chemical Physics, 2017, 147, 074117.	1.2	26
66	Poly(N-isopropylacrylamide) capped plasmonic nanoparticles as resonance intensity-based temperature sensors with linear correlation. Journal of Materials Chemistry C, 2017, 5, 10926-10932.	2.7	19
67	Cavity QED analysis of an exciton-plasmon hybrid molecule via the generalized nonlocal optical response method. Physical Review B, 2017, 95, .	1.1	33
68	Multiband coherent perfect absorption in a water-based metasurface. Optics Express, 2017, 25, 15737.	1.7	56
69	Tuneable superradiant thermal emitter assembly. Physical Review B, 2017, 95, .	1.1	22
70	Self-Assembled Plasmonic Pyramids from Anisotropic Nanoparticles for High-Efficient SERS. Journal of Analysis and Testing, 2017, 1, 335-343.	2.5	7
71	Spawning a ring of exceptional points from a metamaterial. Optics Express, 2017, 25, 18265.	1.7	11
72	Wideband visible-light absorption in an ultrathin silicon nanostructure. Optics Express, 2017, 25, 5781.	1.7	50

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73	Design of all-optical, hot-electron current-direction-switching device based on geometrical asymmetry. Scientific Reports, 2016, 6, 21470.	1.6	10
74	MoS ₂ spaser. Journal of Applied Physics, 2016, 119, .	1.1	39
75	Optical control of resonance energy transfer in quantum dot systems. , 2016, , .		2
76	MoS ₂ Broadband Coherent Perfect Absorber for Terahertz Waves. IEEE Photonics Journal, 2016, 8, 1-7.	1.0	31
77	Coherent perfect absorption in an all-dielectric metasurface. Applied Physics Letters, 2016, 108, .	1.5	112
78	Quantum electrodynamical theory of high-efficiency excitation energy transfer in laser-driven nanostructure systems. Physical Review B, 2016, 94, .	1.1	11
79	Optical Bloch oscillations and Zener tunneling of Airy beams in ionic-type photonic lattices. Optics Express, 2016, 24, 18332.	1.7	7
80	Efficient Excitation of Multiple Plasmonic Modes on Three-Dimensional Graphene: An Unexplored Dimension. ACS Photonics, 2016, 3, 1986-1992.	3.2	42
81	Quantum electrodynamics of resonance energy transfer in nanowire systems. Physical Review B, 2016, 93, .	1.1	23
82	Theoretical analysis of hot electron injection from metallic nanotubes into a semiconductor interface. Physical Chemistry Chemical Physics, 2016, 18, 18227-18236.	1.3	14
83	Matryoshka-caged gold nanorods: Synthesis, plasmonic properties, and catalytic activity. Nano Research, 2016, 9, 415-423.	5.8	31
84	Two-Dimensional Bipyramid Plasmonic Nanoparticle Liquid Crystalline Superstructure with Four Distinct Orientational Packing Orders. ACS Nano, 2016, 10, 967-976.	7.3	101
85	Is MoS ₂ better for spasers than graphene?. , 2016, , .		1
86	SERS: Ultrathin Plasmene Nanosheets as Soft and Surface-Attachable SERS Substrates with High Signal Uniformity (Advanced Optical Materials 7/2015). Advanced Optical Materials, 2015, 3, 918-918.	3.6	3
87	Direct and third-body mediated resonance energy transfer in dimensionally constrained nanostructures. Physical Review B, 2015, 92, .	1.1	41
88	Multimode analysis of highly tunable, quantum cascade powered, circular graphene spaser. Journal of Applied Physics, 2015, 118, .	1.1	29
89	Dual-Coded Plasmene Nanosheets as Next-Generation Anticounterfeit Security Labels. Advanced Optical Materials, 2015, 3, 1710-1717.	3.6	78
90	Ultrathin Plasmene Nanosheets as Soft and Surface-Attachable SERS Substrates with High Signal Uniformity. Advanced Optical Materials, 2015, 3, 919-924.	3.6	66

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91	Substrate-Mediated Broadband Tunability in Plasmonic Resonances of Metal Nanoantennas on Finite High-Permittivity Dielectric Substrate. <i>Plasmonics</i> , 2015, 10, 1663-1673.	1.8	13
92	Low-loss dielectric-loaded graphene surface plasmon polariton waveguide based biochemical sensor. <i>Journal of Applied Physics</i> , 2015, 117, .	1.1	30
93	Gold Nanoparticles with Gain-assisted Coating for Ultra-sensitive Biomedical Sensing. <i>Plasmonics</i> , 2015, 10, 881-886.	1.8	11
94	Multilayered core-shell satellite nanoassemblies with fine-tunable broadband plasmon resonances. <i>Nanoscale</i> , 2015, 7, 3445-3452.	2.8	42
95	Plasmonic core-shell nanoparticles for SERS detection of the pesticide thiram: size- and shape-dependent Raman enhancement. <i>Nanoscale</i> , 2015, 7, 2862-2868.	2.8	153
96	Optically resonant magneto-electric cubic nanoantennas for ultra-directional light scattering. <i>Journal of Applied Physics</i> , 2015, 117, .	1.1	87
97	Plasmon-enhanced photoelectrochemical monitoring of Ca ²⁺ from living cardiomyocytes. <i>Journal of Electroanalytical Chemistry</i> , 2015, 759, 14-20.	1.9	5
98	Insight into the charge transport and degradation mechanisms in organic transistors operating at elevated temperatures in air. <i>Organic Electronics</i> , 2015, 22, 202-209.	1.4	11
99	Characterizing the Optical Response of Symmetric Hemispherical Nano-dimers. <i>Plasmonics</i> , 2015, 10, 1453-1466.	1.8	10
100	Electrical control of second harmonic generation in a graphene-based plasmonic Fano structure. <i>Optics Express</i> , 2015, 23, 3236.	1.7	25
101	Theoretical analysis of hot electron dynamics in nanorods. <i>Scientific Reports</i> , 2015, 5, 12140.	1.6	59
102	Interfacial assembly of mesoporous nanopyramids as ultrasensitive cellular interfaces featuring efficient direct electrochemistry. <i>NPG Asia Materials</i> , 2015, 7, e204-e204.	3.8	14
103	Electrically tunable directional SPP propagation in gold-nanoparticle-assisted graphene nanoribbons. , 2014, , .		1
104	Impact of morphology on charge carrier mobility in top gate C ₆₀ organic field effect transistors. , 2014, , .		0
105	Controlling Fano resonance of ring/crescent-ring plasmonic nanostructure with Bessel beam. <i>Optics Express</i> , 2014, 22, 2132.	1.7	14
106	Electrically pumped hybrid plasmonic waveguide. <i>Optics Express</i> , 2014, 22, 2681.	1.7	28
107	Low-threshold lasing in photonic-crystal heterostructures. <i>Optics Express</i> , 2014, 22, 6229.	1.7	18
108	Experimental demonstration of a magnetically tunable ferrite based metamaterial absorber. <i>Optics Express</i> , 2014, 22, 16408.	1.7	82

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109	Optical Bloch oscillations of an Airy beam in a photonic lattice with a linear transverse index gradient. <i>Optics Express</i> , 2014, 22, 22763.	1.7	30
110	Response to "Comment on "Graphene metamaterial for optical reflection modulation" [Appl. Phys. Lett. 104, 256101 (2014)]. <i>Applied Physics Letters</i> , 2014, 104, 256102.	1.5	1
111	Large-Scale Self-Assembly and Stretch-Induced Plasmonic Properties of Core-Shell Metal Nanoparticle Superlattice Sheets. <i>Journal of Physical Chemistry C</i> , 2014, 118, 26816-26824.	1.5	42
112	Unidirectional phase singularity in ultrathin metamaterials at exceptional points. <i>Physical Review A</i> , 2014, 89, .	1.0	28
113	Spaser powered photothermal cancer therapy using graphene and carbon nanotubes. , 2014, , .		1
114	Tunable Broadband Optical Responses of Substrate-Supported Metal/Dielectric/Metal Nanospheres. <i>Plasmonics</i> , 2014, 9, 659-672.	1.8	28
115	Tunable terahertz left-handed metamaterial based on multi-layer graphene-dielectric composite. <i>Applied Physics Letters</i> , 2014, 104, 051902.	1.5	94
116	Spaser Made of Graphene and Carbon Nanotubes. <i>ACS Nano</i> , 2014, 8, 2431-2438.	7.3	52
117	Polarization conversion in U-shaped chiral metamaterial with four-fold symmetry breaking. <i>Journal of Applied Physics</i> , 2014, 115, .	1.1	35
118	Giant Plasmene Nanosheets, Nanoribbons, and Origami. <i>ACS Nano</i> , 2014, 8, 11086-11093.	7.3	134
119	Quasi-static analysis of controllable optical cross-sections of a layered nanoparticle with a sandwiched gain layer. <i>Journal of Optics (United Kingdom)</i> , 2014, 16, 075003.	1.0	18
120	Role of Injection Barrier in Capacitance-Voltage Measurements of Organic Devices. <i>IEEE Electron Device Letters</i> , 2014, 35, 581-583.	2.2	12
121	Critical route for coherent perfect absorption in a Fano resonance plasmonic system. <i>Applied Physics Letters</i> , 2014, 105, .	1.5	28
122	Image matching using moment invariants. <i>Neurocomputing</i> , 2014, 137, 65-70.	3.5	20
123	Dielectric function of spherical dome shells with quantum size effects. <i>Optics Express</i> , 2014, 22, 11966.	1.7	19
124	Optimized gold nanoshell ensembles for biomedical applications. <i>Nanoscale Research Letters</i> , 2013, 8, 142.	3.1	38
125	Wideband giant optical activity and negligible circular dichroism of near-infrared chiral metamaterial based on a complementary twisted configuration. <i>Journal of Optics (United Kingdom)</i> , 2013, 15, 125101.	1.0	30
126	Application of zero-index metamaterials for surface plasmon guiding. <i>Applied Physics Letters</i> , 2013, 102, 011910.	1.5	17

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127	On the validity of unintentional doping densities extracted using Mott's Schottky analysis for thin film organic devices. <i>Organic Electronics</i> , 2013, 14, 2902-2907.	1.4	20
128	Single-crystal caged gold nanorods with tunable broadband plasmon resonances. <i>Chemical Communications</i> , 2013, 49, 9630.	2.2	43
129	Quasi-phase matching with tapered waveguides for Terahertz generation. , 2013, , .		0
130	Graphene-enabled tunability of optical fishnet metamaterial. <i>Applied Physics Letters</i> , 2013, 102, .	1.5	46
131	Analysis of Lasing in Dye-Doped Photonic Crystals. <i>IEEE Photonics Journal</i> , 2013, 5, 4700409-4700409.	1.0	20
132	Graphene metamaterial for optical reflection modulation. <i>Applied Physics Letters</i> , 2013, 102, .	1.5	90
133	Hand gesture tracking and recognition system using Lucas-Kanade algorithms for control of consumer electronics. <i>Neurocomputing</i> , 2013, 116, 242-249.	3.5	32
134	Low-threshold lasing in active opal photonic crystals. <i>Optics Letters</i> , 2013, 38, 1046.	1.7	13
135	Effect of number density on optimal design of gold nanoshells for plasmonic photothermal therapy. <i>Biomedical Optics Express</i> , 2013, 4, 15.	1.5	41
136	Unveiling ultrasharp scattering-switching signatures of layered gold-dielectric-gold nanospheres. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2013, 30, 2066.	0.9	22
137	Design optimization of spasers considering the degeneracy of excited plasmon modes. <i>Optics Express</i> , 2013, 21, 15335.	1.7	7
138	Engineering optical nonlinearities in silicon nanocrystal waveguides. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2013, 30, 3145.	0.9	3
139	Analytical study of optimal design and gain parameters of double-slot plasmonic waveguides. <i>Journal of Optics (United Kingdom)</i> , 2013, 15, 035006.	1.0	5
140	Anisotropic Strain Effect on Electron Transport in C60 Organic Field Effect transistors. <i>Materials Research Society Symposia Proceedings</i> , 2013, 1501, 1.	0.1	3
141	Light focusing using epsilon-near-zero metamaterials. <i>AIP Advances</i> , 2013, 3, 112124.	0.6	7
142	Tunable low-threshold lasing in photonic-crystal heterostructure. , 2013, , .		0
143	Review of Nanoscale Spectroscopy in Medicine. , 2013, , 439-472.		1
144	Spatial and spectral distributions of emission from dye-doped photonic crystals in reflection and transmission geometries. <i>Journal of Nanophotonics</i> , 2012, 6, 063526.	0.4	13

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145	Coherence vortices in Mie scattered nonparaxial partially coherent beams. <i>Optics Express</i> , 2012, 20, 2858.	1.7	12
146	Optimizing the design of planar heterostructures for plasmonic waveguiding. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2012, 29, 553.	0.9	10
147	Effective third-order susceptibility of silicon-nanocrystal-doped silica. <i>Optics Express</i> , 2012, 20, 26275.	1.7	20
148	Linear transformation optics for plasmonics. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2012, 29, 2659.	0.9	40
149	Manipulating energy flow in variable-gap plasmonic waveguides. <i>Optics Letters</i> , 2012, 37, 5151.	1.7	7
150	Generalized coupled photon transport equations for handling correlated photon streams with distinct frequencies. <i>Optics Letters</i> , 2012, 37, 3444.	1.7	2
151	Partially coherent light interaction with nano objects. , 2012, , .		0
152	Strain induced anisotropic effect on electron mobility in C60 based organic field effect transistors. <i>Applied Physics Letters</i> , 2012, 101, 083305.	1.5	44
153	Dispersion relation for surface plasmon polaritons on a Schottky junction. <i>Optics Express</i> , 2012, 20, 7151.	1.7	18
154	Generation of coherence vortex networks from systems of several Mie-scattering particles. <i>Proceedings of SPIE</i> , 2012, , .	0.8	1
155	Maneuvering Propagation of Surface Plasmon Polaritons Using Complementary Medium Inserts. <i>IEEE Photonics Journal</i> , 2012, 4, 741-747.	1.0	23
156	Optimization of Nonlinear Performance of Silicon-Nanocrystal Cylindrical Nanowires. <i>IEEE Photonics Journal</i> , 2012, 4, 952-959.	1.0	6
157	Guided plasmonic modes of anisotropic slot waveguides. <i>Nanotechnology</i> , 2012, 23, 444006.	1.3	26
158	Combined Effect of ASE and DRBS on Noise in Pulse-Pumped Fiber Raman Amplifiers. <i>Journal of Lightwave Technology</i> , 2012, 30, 2983-2987.	2.7	6
159	A novel approach towards modeling TDM-pumped fiber Raman amplifiers. , 2012, , .		0
160	Configurable metamaterial absorber with pseudo wideband spectrum. <i>Optics Express</i> , 2012, 20, 6616.	1.7	96
161	Free-Standing Plasmonic-Nanorod Superlattice Sheets. <i>ACS Nano</i> , 2012, 6, 925-934.	7.3	132
162	Effective mode area and its optimization in silicon-nanocrystal waveguides. <i>Optics Letters</i> , 2012, 37, 2295.	1.7	53

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163	A fresh look at the validity of the diffusion approximation for modeling fluorescence spectroscopy in biological tissue. , 2012, 2012, 1494-7.		0
164	Plasmonic Modes of Metamaterial-Based Slot Waveguides. Advances in OptoElectronics, 2012, 2012, 1-5.	0.6	2
165	Light amplification in zero-index metamaterial with gain inserts. Applied Physics Letters, 2012, 101, 031907.	1.5	39
166	Hand Gesture Tracking and Recognition System for Control of Consumer Electronics. Lecture Notes in Computer Science, 2012, , 588-593.	1.0	13
167	Key-Based Scrambling for Secure Image Communication. Communications in Computer and Information Science, 2012, , 259-263.	0.4	16
168	New Structural Similarity Measure for Image Comparison. Communications in Computer and Information Science, 2012, , 292-297.	0.4	3
169	Design and Implementation of Edge Detection Algorithm Using Digital Signal Controller (DSC). Lecture Notes in Computer Science, 2012, , 549-556.	1.0	0
170	A Fresh Look at the Validity of Diffusion Equations for Modelling Phosphorescence Imaging of Biological Tissue. Lecture Notes in Computer Science, 2012, , 461-468.	1.0	2
171	Optimum design of single-core nanowaveguide for surface plasmon polaritons. , 2011, , .		0
172	Plasmonic waveguides with resonant-cavity structures for nanophotonics applications. , 2011, , .		0
173	Polarization-dependent spectral broadening of femtosecond pulses in silicon waveguides. Journal of the Optical Society of America B: Optical Physics, 2011, 28, 2383.	0.9	2
174	Analytical theory of optical bistability in plasmonic nanoresonators. Journal of the Optical Society of America B: Optical Physics, 2011, 28, 2820.	0.9	22
175	Exact dispersion relation for nonlinear plasmonic waveguides. Physical Review B, 2011, 84, .	1.1	41
176	Nonlinear propagation in silicon-based plasmonic waveguides from the standpoint of applications. Optics Express, 2011, 19, 206.	1.7	40
177	Eigen decomposition solution to the one-dimensional time-dependent photon transport equation. Optics Express, 2011, 19, 2922.	1.7	4
178	Theory of quasi-elastic secondary emission from a quantum dot in the regime of vibrational resonance. Optics Express, 2011, 19, 15459.	1.7	17
179	Optimal design of composite nanowires for extended reach of surface plasmon-polaritons. Optics Express, 2011, 19, 16058.	1.7	25
180	Surface plasmon-polariton propagation in piecewise linear chains of composite nanospheres: The role of optical gain and chain layout. Optics Express, 2011, 19, 19973.	1.7	36

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181	Coherence-vortex lattice formed via Mie scattering of partially coherent light by several dielectric nanospheres. Optics Letters, 2011, 36, 936.	1.7	16
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