

Alain Dereux

List of Publications by Year in descending order

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214
papers

19,377
citations

36303

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10734

138
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all docs

215
docs citations

215
times ranked

13281
citing authors

#	ARTICLE	IF	CITATIONS
1	A long-range plasmonic optical waveguide corner mirror chip. <i>Micro and Nano Engineering</i> , 2020, 7, 100049.	2.9	0
2	High-sensitivity plasmo-photonic interferometric sensors on a chip. , 2020, , .		1
3	Ultra-sensitive refractive index sensor using CMOS plasmonic transducers on silicon photonic interferometric platform. <i>Optics Express</i> , 2020, 28, 20992.	3.4	7
4	Plasmonic-assisted Mach-Zehnder Interferometric photonic sensor using aluminum waveguides. , 2020, , .		0
5	Bringing Plasmonics Into CMOS Photonic Foundries: Aluminum Plasmonics on Si ₃ N ₄ for Biosensing Applications. <i>Journal of Lightwave Technology</i> , 2019, 37, 5516-5524.	4.6	8
6	Titanium Dioxide Waveguides for Supercontinuum Generation and Optical Transmissions in the Near- and Mid-Infrared. , 2019, , .		0
7	Scaling the Sensitivity of Integrated Plasmo-Photonic Interferometric Sensors. <i>ACS Photonics</i> , 2019, 6, 1664-1673.	6.6	21
8	Plasmonics co-integrated with silicon nitride photonics for high-sensitivity interferometric biosensing. <i>Optics Express</i> , 2019, 27, 17102.	3.4	14
9	Supercontinuum generation in titanium dioxide waveguides. , 2019, , .		0
10	Plasmonic stripes integrated in a silicon nitride Mach Zehnder Interferometer for high sensitivity refractometric sensors. , 2019, , .		0
11	Ultra-compact single-arm interferometric plasmonic sensor co-integrated on a TiO ₂ photonic waveguide platform. , 2019, , .		0
12	Unidirectional data center interconnects enabled by the use of broken-symmetry gap plasmon resonators (BS-GPR). , 2019, , .		0
13	Ultra-sensitive plasmo-photonic MZI-based refractive index sensor. , 2019, , .		0
14	Plasmonic Stripes in Aqueous Environment Co-Integrated With Si ₃ N ₄ Photonics. <i>IEEE Photonics Journal</i> , 2018, 10, 1-8.	2.0	11
15	Aluminum plasmonic waveguides co-integrated with Si ₃ N ₄ photonics using CMOS processes. <i>Scientific Reports</i> , 2018, 8, 13380.	3.3	26
16	CMOS plasmonics in WDM data transmission: 200 Gb/s (8 Å– 25Gb/s) transmission over aluminum plasmonic waveguides. <i>Optics Express</i> , 2018, 26, 12469.	3.4	20
17	Flexible long-range surface plasmon polariton single-mode waveguide for optical interconnects. <i>Optical Materials Express</i> , 2018, 8, 469.	3.0	16
18	Correlation between electrical direct current resistivity and plasmonic properties of CMOS compatible titanium nitride thin films. <i>Optics Express</i> , 2018, 26, 9813.	3.4	4

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19	Octave Spanning Supercontinuum in Titanium Dioxide Waveguides. Applied Sciences (Switzerland), 2018, 8, 543.	2.5	26
20	Water Cladded Plasmonic Slot Waveguide Vertically Coupled With Si3N4 Photonics. IEEE Photonics Journal, 2018, 10, 1-8.	2.0	5
21	Octave spanning supercontinuum in titanium dioxide waveguides. , 2018, , .		0
22	Gold based plasmonic stripes co-integrated with low loss Si3N4 platform in aqueous environment. , 2018, , .		0
23	CMOS plasmonic waveguides co-integrated with LPCVD-based Si3N4 via a butt-coupled interface. , 2018, , .		0
24	Efficient coupling between Si3N4 photonic and hybrid slot-based CMOS plasmonic waveguide. , 2018, , .		0
25	A directional coupling scheme for efficient coupling between Si ₃ N ₄ photonic and hybrid slot-based plasmonic waveguides. Proceedings of SPIE, 2017, , .	0.8	0
26	Characterization of CMOS metal based dielectric loaded surface plasmon waveguides at telecom wavelengths. Optics Express, 2017, 25, 394.	3.4	26
27	Discrimination between Single Protein Conformations Using Dynamic SERS. ACS Sensors, 2016, 1, 676-680.	7.8	16
28	Plasmonic Purcell factor and coupling efficiency to surface plasmons. Implications for addressing and controlling optical nanosources. Journal of Optics (United Kingdom), 2016, 18, 094005.	2.2	50
29	Sorting of Single Biomolecules based on Fourier Polar Representation of Surface Enhanced Raman Spectra. Scientific Reports, 2016, 6, 20383.	3.3	4
30	Recess Photomask Contact Lithography and the fabrication of coupled silicon photonic and plasmonic waveguide switches. Microelectronic Engineering, 2015, 141, 129-134.	2.4	4
31	Ultracompact and Low-Power Plasmonic MZI Switch Using Cyclomer Loading. IEEE Photonics Technology Letters, 2015, 27, 963-966.	2.5	12
32	Statistical and Fourier Analysis for In-line Concentration Sensitivity in Single Molecule Dynamic-SERS. ACS Photonics, 2015, 2, 1266-1271.	6.6	16
33	Sorting of Enhanced Reference Raman Spectra of a Single Amino Acid Molecule. Journal of Physical Chemistry C, 2014, 118, 17975-17982.	3.1	27
34	Dielectric-loaded plasmonic waveguide components: Going practical. Laser and Photonics Reviews, 2013, 7, 938-951.	8.7	58
35	Low energy routing platforms for optical interconnects using active plasmonics integrated with Silicon Photonics. , 2013, , .		0
36	Coupling of a dipolar emitter into one-dimensional surface plasmon. Scientific Reports, 2013, 3, 2734.	3.3	37

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37	Power monitoring in dielectric-loaded plasmonic waveguides with internal Wheatstone bridges. Optics Express, 2013, 21, 5300.	3.4	20
38	Nanosecond thermo-optical dynamics of polymer loaded plasmonic waveguides. Optics Express, 2013, 21, 27291.	3.4	12
39	Momentum-space spectroscopy for advanced analysis of dielectric-loaded surface plasmon polariton coupled and bent waveguides. Physical Review B, 2013, 87, .	3.2	22
40	WDM Switching Employing a Hybrid Silicon-Plasmonic A-MZI. , 2012, , .		0
41	Performance of electro-optical plasmonic ring resonators at telecom wavelengths. Optics Express, 2012, 20, 2354.	3.4	52
42	048Tb/s (12x40Gb/s) WDM transmission and high-quality thermo-optic switching in dielectric loaded plasmonics. Optics Express, 2012, 20, 7655.	3.4	32
43	Silencing and enhancement of second-harmonic generation in optical gap antennas. Optics Express, 2012, 20, 10498.	3.4	97
44	Efficient thermo-optically controlled Mach-Zehnder interferometers using dielectric-loaded plasmonic waveguides. Optics Express, 2012, 20, 16300.	3.4	38
45	Efficient photo-thermal activation of gold nanoparticle-doped polymer plasmonic switches. Optics Express, 2012, 20, 27636.	3.4	21
46	A coupled lossy local-mode theory description of a plasmonic tip. New Journal of Physics, 2012, 14, 083041.	2.9	17
47	Surface Plasmon Circuitry in Opto-Electronics. , 2012, , .		0
48	Active plasmonics in WDM traffic switching applications. Scientific Reports, 2012, 2, 652.	3.3	76
49	Dielectric loaded surface plasmon waveguides for datacom applications. Proceedings of SPIE, 2012, , .	0.8	1
50	Determinant role of the edges in defining surface plasmon propagation in stripe waveguides and tapered concentrators. Journal of the Optical Society of America B: Optical Physics, 2012, 29, 226.	2.1	18
51	Active Plasmonics in True Data Traffic Applications: Thermo-Optic On/Off Gating Using a Silicon-Plasmonic Asymmetric Mach-Zehnder Interferometer. IEEE Photonics Technology Letters, 2012, 24, 1036-1038.	2.5	14
52	Grating Couplers for Fiber-to-Fiber Characterizations of Stand-Alone Dielectric Loaded Surface Plasmon Waveguide Components. Journal of Lightwave Technology, 2012, 30, 3118-3125.	4.6	14
53	Discerning the Origins of the Amplitude Fluctuations in Dynamic Raman Nanospectroscopy. Journal of Physical Chemistry C, 2012, 116, 26919-26923.	3.1	11
54	Low energy routing platforms for optical interconnects using active Plasmonics integrated with Silicon Photonics. , 2012, , .		1

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55	Demonstration of a Plasmonic MMI Switch in 10-Gb/s True Data Traffic Conditions. IEEE Photonics Technology Letters, 2012, 24, 1819-1822.	2.5	6
56	Thermo-optic control of dielectric-loaded plasmonic Mach-Zehnder interferometers and directional coupler switches. Nanotechnology, 2012, 23, 444008.	2.6	26
57	Data Transmission and Thermo-Optic Tuning Performance of Dielectric-Loaded Plasmonic Structures Hetero-Integrated on a Silicon Chip. IEEE Photonics Technology Letters, 2012, 24, 374-376.	2.5	25
58	Mie Plasmons: Modes Volumes, Quality Factors, and Coupling Strengths (Purcell Factor) to a Dipolar Emitter. International Journal of Optics, 2012, 2012, 1-8.	1.4	31
59	First Experimental Demonstration of a Plasmonic MMI Switch in 10 Gb/s True Data Traffic Conditions. , 2012, , .		0
60	Interfacing Dielectric-Loaded Plasmonic and Silicon Photonic Waveguides: Theoretical Analysis and Experimental Demonstration. IEEE Journal of Quantum Electronics, 2012, 48, 678-687.	1.9	47
61	Purcell factor for a point-like dipolar emitter coupled to a two-dimensional plasmonic waveguide. Physical Review B, 2011, 84, .	3.2	46
62	Influence of the Number of Nanoparticles on the Enhancement Properties of Surface-Enhanced Raman Scattering Active Area: Sensitivity versus Repeatability. ACS Nano, 2011, 5, 1630-1638.	14.6	29
63	Thermo-optical control of dielectric loaded plasmonic racetrack resonators. Journal of Applied Physics, 2011, 110, 023106.	2.5	25
64	A 320 Gb/s-Throughput Capable 2 \times 2 Silicon-Plasmonic Router Architecture for Optical Interconnects. Journal of Lightwave Technology, 2011, 29, 3185-3195.	4.6	52
65	Power monitoring in dielectric-loaded surface plasmon-polariton waveguides. Optics Express, 2011, 19, 2972.	3.4	29
66	Excitation of a one-dimensional evanescent wave by conical edge diffraction of surface plasmon. Optics Express, 2011, 19, 5303.	3.4	14
67	Fiber-pigtailed temperature sensors based on dielectric-loaded plasmonic waveguide-ring resonators. Optics Express, 2011, 19, 26423.	3.4	7
68	Parametric study of dielectric loaded surface plasmon polariton add-drop filters for hybrid silicon/plasmonic optical circuitry. , 2011, , .		2
69	10 Gb/s Transmission and Thermo-Optic Resonance Tuning in Silicon-Plasmonic Waveguide Platform. , 2011, , .		1
70	Near-field beam displacement at surface plasmon resonance. Physical Review B, 2011, 83, .	3.2	5
71	Thermo-optic plasmo-photonic mode interference switches based on dielectric loaded waveguides. Applied Physics Letters, 2011, 99, .	3.3	46
72	Thermo-electric detection of waveguided surface plasmon propagation. Applied Physics Letters, 2011, 99, .	3.3	20

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73	Leakage radiation microscopy of surface plasmon coupled emission: investigation of gain-assisted propagation in an integrated plasmonic waveguide. Journal of Microscopy, 2010, 239, 167-172.	1.8	25
74	From Average to Single Molecule Surface Enhanced Raman Scattering. , 2010, , .		0
75	Tb/s switching fabrics for optical interconnects using heterointegration of plasmonics and silicon photonics: The FP7 PLATON approach. , 2010, , .		7
76	Fiber-coupled dielectric-loaded plasmonic waveguides. Optics Express, 2010, 18, 5314.	3.4	52
77	Optical gain, spontaneous and stimulated emission of surface plasmon polaritons in confined plasmonic waveguide. Optics Express, 2010, 18, 16327.	3.4	35
78	Refractive micro-optical elements for surface plasmons: from classical to gradient index optics. Optics Express, 2010, 18, 20610.	3.4	30
79	Thermo-optic control of dielectric-loaded plasmonic waveguide components. Optics Express, 2010, 18, 1207.	3.4	169
80	External control of the scattering properties of a single optical nanoantenna. Applied Physics Letters, 2010, 96, 143116.	3.3	13
81	Dielectric-loaded surface plasmon polariton waveguides on a finite-width metal strip. Applied Physics Letters, 2010, 96, .	3.3	43
82	Hot-spots nanostructuration: Towards controlled Single Molecule Surface Enhanced Raman Scattering sensing. , 2010, , .		0
83	The Single Molecule Probe: Nanoscale Vectorial Mapping of Photonic Mode Density in a Metal Nanocavity. Nano Letters, 2009, 9, 1189-1195.	9.1	31
84	Tuning of an Optical Dimer Nanoantenna by Electrically Controlling Its Load Impedance. Nano Letters, 2009, 9, 3914-3921.	9.1	79
85	Wavelength-selective directional coupling with dielectric-loaded plasmonic waveguides. Optics Letters, 2009, 34, 310.	3.3	76
86	Design and Characterization of Dielectric-Loaded Plasmonic Directional Couplers. Journal of Lightwave Technology, 2009, 27, 5521-5528.	4.6	36
87	Dielectric-loaded plasmonic waveguide-ring resonators. Optics Express, 2009, 17, 2968.	3.4	92
88	Active components for integrated plasmonic circuits. , 2009, , .		0
89	Wavelength selection by dielectric-loaded plasmonic components. Applied Physics Letters, 2009, 94, .	3.3	87
90	Gain-Assisted Propagation in a Plasmonic Waveguide at Telecom Wavelength. Nano Letters, 2009, 9, 2935-2939.	9.1	243

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91	Integrated plasmonic waveguides: A mode solver based on density of states formulation. Physical Review B, 2009, 80, .	3.2	43
92	Single molecules probe local density of modes (LDOS) around photonic nanostructures. Journal of Microscopy, 2008, 229, 210-216.	1.8	3
93	SNOM signal near plasmonic nanostructures: an analogy with fluorescence decays channels. Journal of Microscopy, 2008, 229, 302-306.	1.8	7
94	Efficient excitation of dielectric-loaded surface plasmon-polariton waveguide modes at telecommunication wavelengths. Physical Review B, 2008, 78, .	3.2	52
95	Dielectric-loaded surface plasmon polariton waveguides: Figures of merit and mode characterization by image and Fourier plane leakage microscopy. Physical Review B, 2008, 78, .	3.2	110
96	Far-field imaging of the electromagnetic local density of optical states. Optics Letters, 2008, 33, 300.	3.3	12
97	Bend- and splitting loss of dielectric-loaded surface plasmon-polariton waveguides. Optics Express, 2008, 16, 13585.	3.4	103
98	Differential method for modeling dielectric-loaded surface plasmon polariton waveguides. Optics Express, 2008, 16, 17599.	3.4	17
99	Fluorescence relaxation in the near-field of a mesoscopic metallic particle: distance dependence and role of plasmon modes. Optics Express, 2008, 16, 17654.	3.4	86
100	Dielectric-loaded surface plasmon-polariton waveguides at telecommunication wavelengths: Excitation and characterization. Applied Physics Letters, 2008, 92, .	3.3	71
101	Excitation and characterization of dielectric-loaded surface plasmon-polariton waveguides at telecommunication wavelengths. Proceedings of SPIE, 2008, , .	0.8	0
102	Modulation of surface plasmon coupling-in by one-dimensional surface corrugation. New Journal of Physics, 2008, 10, 033035.	2.9	30
103	Gain, detuning, and radiation patterns of nanoparticle optical antennas. Physical Review B, 2008, 78, .	3.2	54
104	Measuring the differential scattering cross-section of gold nanoparticles. , 2008, , .		0
105	Surface plasmon routing in dielectric-loaded surface plasmon polariton waveguides. , 2008, , .		3
106	Surface-plasmon hopping along coupled coplanar cavities. Physical Review B, 2007, 76, .	3.2	21
107	Surface plasmon interference excited by tightly focused laser beams. Optics Letters, 2007, 32, 2535.	3.3	159
108	Analysis of the angular acceptance of surface plasmon Bragg mirrors. Optics Letters, 2007, 32, 2704.	3.3	25

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109	Optimization of surface plasmons launching from subwavelength hole arrays: modelling and experiments. <i>Optics Express</i> , 2007, 15, 3488.	3.4	58
110	Optical absorption of torus-shaped metal nanoparticles in the visible range. <i>Physical Review B</i> , 2007, 76, .	3.2	24
111	Submicrometer In-Plane Integrated Surface Plasmon Cavities. <i>Nano Letters</i> , 2007, 7, 1352-1359.	9.1	102
112	Polymer-metal waveguides characterization by Fourier plane leakage radiation microscopy. <i>Applied Physics Letters</i> , 2007, 91, 243102.	3.3	76
113	Changes in surface stress, morphology and chemical composition of silica and silicon nitride surfaces during the etching by gaseous HF acid. <i>Applied Surface Science</i> , 2007, 253, 5101-5108.	6.1	7
114	Efficient unidirectional nanoslit couplers for surface plasmons. <i>Nature Physics</i> , 2007, 3, 324-328.	16.7	461
115	DEVELOPMENT AND NEAR-FIELD CHARACTERIZATION OF SURFACE PLASMON WAVEGUIDES. <i>Springer Series in Optical Sciences</i> , 2007, , 39-54.	0.7	0
116	PRINCIPLES OF NEAR-FIELD OPTICAL MAPPING. <i>Springer Series in Optical Sciences</i> , 2007, , 155-168.	0.7	0
117	Design, near-field characterization, and modeling of 45° surface-plasmon Bragg mirrors. <i>Physical Review B</i> , 2006, 73, .	3.2	91
118	Cartographie de la densité locale d'états photoniques de surface. <i>European Physical Journal Special Topics</i> , 2006, 135, 129-130.	0.2	0
119	Influence of the filling factor on the spectral properties of plasmonic crystals. <i>Physical Review B</i> , 2006, 74, .	3.2	30
120	Efficient surface plasmon field confinement in one-dimensional crystal line-defect waveguides. <i>Applied Physics Letters</i> , 2006, 89, 211109.	3.3	6
121	DNA nanofilm thickness measurement on microarray in air and in liquid using an atomic force microscope. <i>Biosensors and Bioelectronics</i> , 2005, 21, 627-636.	10.1	37
122	Generalized Bloch equations for optical interactions in confined geometries. <i>Chemical Physics Letters</i> , 2005, 404, 44-48.	2.6	41
123	Mapping the 3D-surface strain field of patterned tensile stainless steels using atomic force microscopy. <i>Ultramicroscopy</i> , 2005, 103, 183-189.	1.9	9
124	Localized surface plasmons on a torus in the nonretarded approximation. <i>Physical Review B</i> , 2005, 72, .	3.2	25
125	Energy transfer in near-field optics. <i>Journal of Chemical Physics</i> , 2005, 123, 174709.	3.0	16
126	Surface plasmon routing along right angle bent metal strips. <i>Applied Physics Letters</i> , 2005, 87, 221101.	3.3	77

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127	Imaging surface photonic states with a circularly polarized tip. Europhysics Letters, 2004, 68, 797-803.	2.0	9
128	Chicanneet al.Reply:. Physical Review Letters, 2004, 93, .	7.8	3
129	Addressing and imaging microring resonators with optical evanescent light. Physical Review B, 2004, 69, .	3.2	10
130	Near-field characterization of Bragg mirrors engraved in surface plasmon waveguides. Physical Review B, 2004, 70, .	3.2	114
131	Frustrated energy transport through micro-waveguides decorated by gold nanoparticle chains. Europhysics Letters, 2004, 66, 785-791.	2.0	8
132	Surface Plasmon Near-Field Imaging of Very Thin Microstructured Polymer Layers. Langmuir, 2004, 20, 10179-10185.	3.5	3
133	Modelling resonant coupling between microring resonators addressed by optical evanescent waves. Nanotechnology, 2004, 15, 1200-1210.	2.6	8
134	Tailoring the transmittance of integrated optical waveguides with short metallic nanoparticle chains. Physical Review B, 2004, 69, .	3.2	68
135	Selective Surface Modification of SiO ₂ ~TiO ₂ Supports with Phosphonic Acids. Chemistry of Materials, 2004, 16, 5670-5675.	6.7	99
136	Performance of interdigitated nanoelectrodes for electrochemical DNA biosensor. Ultramicroscopy, 2003, 97, 441-449.	1.9	52
137	Photonic nanopatterns of gold nanostructures indicate the excitation of surface plasmon modes of a wavelength of 50~100Ånm by scanning near-field optical microscopy. Journal of Microscopy, 2003, 209, 241-248.	1.8	18
138	Surface plasmon subwavelength optics. Nature, 2003, 424, 824-830.	27.8	10,571
139	Optical near-field distributions of surface plasmon waveguide modes. Physical Review B, 2003, 68, .	3.2	143
140	Launching and decoupling surface plasmons via micro-gratings. Applied Physics Letters, 2003, 83, 4936-4938.	3.3	175
141	Super-Resolution Scanning Near-Field Optical Microscopy. , 2003, , 141-153.		4
142	Subwavelength mapping of surface photonic states. Nanotechnology, 2003, 14, 935-938.	2.6	24
143	Spatially resolved photonic transfer through mesoscopic heterowires. Physical Review E, 2002, 65, 036616.	2.1	20
144	Theory of near-field optical imaging with a single molecule as light source. Journal of Chemical Physics, 2002, 117, 4659-4666.	3.0	39

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145	Imaging the Local Density of States of Optical Corral. Physical Review Letters, 2002, 88, 097402.	7.8	145
146	Near-field observation of evanescent light wave coupling in subwavelength optical waveguides. Europhysics Letters, 2002, 57, 191-197.	2.0	27
147	Imaging of photonic nanopatterns by scanning near-field optical microscopy. Journal of the Optical Society of America B: Optical Physics, 2002, 19, 1295.	2.1	13
148	Theory of Near-field Optical Imaging with a Single Molecule as Light Source. Single Molecules, 2002, 3, 311-312.	0.9	4
149	Surface plasmon polaritons on metal cylinders with dielectric core. Physical Review B, 2001, 64, .	3.2	146
150	Near-field observation of surface plasmon polariton propagation on thin metal stripes. Physical Review B, 2001, 64, .	3.2	269
151	Optical Analogy to Electronic Quantum Corral. Physical Review Letters, 2001, 86, 4950-4953.	7.8	99
152	Near-field optical addressing of single molecules in coplanar geometry: a theoretical study. Journal of Microscopy, 2001, 202, 307-312.	1.8	4
153	Direct interpretation of near-field optical images. Journal of Microscopy, 2001, 202, 320-331.	1.8	15
154	Light field propagation by metal micro- and nanostructures. Journal of Microscopy, 2001, 202, 122-128.	1.8	55
155	Relationship between scanning near-field optical images and local density of photonic states. Chemical Physics Letters, 2001, 345, 512-516.	2.6	44
156	Simultaneous observation of light localization and confinement in near-field optics. Europhysics Letters, 2001, 56, 517-522.	2.0	5
157	Addressing and imaging high optical index dielectric ridges in the optical near field. Physical Review E, 2001, 64, 066607.	2.1	16
158	Near-field and far-field optical properties of thin metallic films. Journal of Applied Physics, 2001, 89, 1138-1144.	2.5	1
159	Controlling Light Confinement by Excitation of Localized Surface Plasmons. , 2001, , 49-69.		6
160	Detection of the optical magnetic field by circular symmetry plasmons. Applied Surface Science, 2000, 164, 124-130.	6.1	11
161	Local detection of the optical magnetic field in the near zone of dielectric samples. Physical Review B, 2000, 62, 10504-10514.	3.2	69
162	Theoretical principles of near-field optical microscopies and spectroscopies. Journal of Chemical Physics, 2000, 112, 7775-7789.	3.0	98

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163	Near-field zone analysis of the Faraday rotation of magneto-optical thin films. Journal of Applied Physics, 2000, 88, 2541-2547.	2.5	9
164	Optical addressing at the subwavelength scale. Physical Review E, 2000, 62, 7381-7388.	2.1	35
165	Optimized factor of merit of the magneto-optical Kerr effect of ferromagnetic thin films. European Physical Journal B, 2000, 14, 419-422.	1.5	2
166	Resonant optical tunnel effect through dielectric structures of subwavelength cross sections. Physical Review E, 1999, 59, 6097-6104.	2.1	15
167	Magneto-optical effects in multilayers illuminated by total internal reflection. Physical Review B, 1999, 59, 5936-5944.	3.2	20
168	Kerr and Faraday Rotations of Magneto-Optical Multilayers under the Condition of Total Internal Reflection. Physica Status Solidi A, 1999, 175, 225-232.	1.7	4
169	Direct observation of localized surface plasmon coupling. Physical Review B, 1999, 60, 5029-5033.	3.2	97
170	Near-field optical properties of localized plasmons around lithographically designed nanostructures. Journal of Applied Physics, 1999, 86, 2576-2583.	2.5	25
171	Squeezing the Optical Near-Field Zone by Plasmon Coupling of Metallic Nanoparticles. Physical Review Letters, 1999, 82, 2590-2593.	7.8	571
172	Plasmon polaritons of metallic nanowires for controlling submicron propagation of light. Physical Review B, 1999, 60, 9061-9068.	3.2	241
173	Optical Near-Field Properties of Lithographically Designed Metallic Nanoparticles. Materials Research Society Symposia Proceedings, 1999, 571, 95.	0.1	0
174	Photonic transfer through subwavelength optical waveguides. Europhysics Letters, 1998, 44, 686-692.	2.0	14
175	Near-field optical contrasts in the Fresnel evanescent wave. Physical Review E, 1998, 58, 1081-1085.	2.1	10
176	Optical magnetic near-field intensities around nanometer-scale surface structures. Physical Review B, 1997, 55, 16487-16497.	3.2	45
177	Near-field optics theories. Reports on Progress in Physics, 1996, 59, 657-699.	20.1	398
178	Dielectric versus topographic contrast in near-field microscopy. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1996, 13, 1801.	1.5	67
179	Silicon oxynitride multilayers as spectrally selective material for passive radiative cooling applications. Solar Energy Materials and Solar Cells, 1996, 40, 253-259.	6.2	43
180	Martin, Girard, and Dereux Reply. Physical Review Letters, 1996, 76, 2405-2405.	7.8	1

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181	Observation of Light Confinement Effects with a Near-Field Optical Microscope. Physical Review Letters, 1996, 77, 5332-5335.	7.8	84
182	Scattering of electromagnetic waves by silicon-nitride tips. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 1996, 14, 816.	1.6	7
183	Electrodynamics in complex systems: Application to near-field probing of optical microresonators. Physical Review E, 1996, 54, 5752-5760.	2.1	15
184	<title>Use of near-field microscopy to analyze the field behavior inside a Fabry-Perot cavity: experiments and theory</title>. , 1995, , .		1
185	Electromagnetic fields in two-dimensional models of near-field optical microscope tips. Ultramicroscopy, 1995, 60, 1-9.	1.9	16
186	Theory of electromagnetic energy transfer in three-dimensional structures. Ultramicroscopy, 1995, 61, 21-27.	1.9	19
187	Interference patterns in and outside a dielectric prism combined with a Fabry-Pérot cavity. Ultramicroscopy, 1995, 61, 29-34.	1.9	0
188	Theory of Kerr effect in magnetic multilayered structures. Ultramicroscopy, 1995, 61, 57-62.	1.9	3
189	Generation of optical standing waves around mesoscopic surface structures: Scattering and light confinement. Physical Review B, 1995, 52, 2889-2898.	3.2	68
190	Molecular Lifetime Changes Induced by Nanometer Scale Optical Fields. Physical Review Letters, 1995, 75, 3098-3101.	7.8	122
191	Generalized Field Propagator for Electromagnetic Scattering and Light Confinement. Physical Review Letters, 1995, 74, 526-529.	7.8	353
192	Simulation of SFM Images of Adsorbed C 60 and C 70 Molecules. , 1995, , 183-189.		1
193	Theory of Near Field Optics. , 1995, , 1-20.		4
194	Physical interaction between tip and molecules in scanning force microscopy imaging of adsorbed C60 and fullerene tubules. Journal of Chemical Physics, 1994, 101, 10973-10979.	3.0	5
195	Optical spectroscopy of a surface at the nanometer scale: A theoretical study in real space. Physical Review B, 1994, 49, 11344-11351.	3.2	57
196	Theoretical analysis of light-inductive forces in scanning probe microscopy. Physical Review B, 1994, 49, 13872-13881.	3.2	40
197	Importance of confined fields in near-field optical imaging of subwavelength objects. Physical Review B, 1994, 50, 14467-14473.	3.2	56
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