

# J Roy Sambles

## List of Publications by Year in descending order

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401  
papers

14,173  
citations

31976

53  
h-index

26613

107  
g-index

408  
all docs

408  
docs citations

408  
times ranked

9748  
citing authors

#	ARTICLE	IF	CITATIONS
1	Slow waves on long helices. Scientific Reports, 2022, 12, 1902.	3.3	0
2	Superscattering and Directive Antennas via Mode Superposition in Subwavelength Core-Shell Meta-Atoms. Photonics, 2022, 9, 6.	2.0	6
3	Gapless dispersion of acoustic line modes with glide symmetry. Physical Review B, 2022, 105, .	3.2	3
4	Confined acoustic line modes within a glide-symmetric waveguide. Scientific Reports, 2022, 12, .	3.3	3
5	Dark Mode Excitation in Three-Dimensional Interlaced Metallic Meshes. ACS Photonics, 2021, 8, 841-846.	6.6	11
6	Surface wave reflection from a metasurface termination. Scientific Reports, 2021, 11, 12054.	3.3	0
7	Multiband superbackscattering via mode superposition in a single dielectric particle. Applied Physics Letters, 2021, 118, .	3.3	12
8	Complex Permittivity and Permeability of Composite Materials Based on Carbonyl Iron Powder Over an Ultrawide Frequency Band. Physical Review Applied, 2021, 16, .	3.8	9
9	Experimental characterization of acoustic beaming from an elastic plate by coupled symmetric leaky Lamb modes. Physical Review B, 2021, 104, .	3.2	3
10	Near-field electromagnetic coupling between helices. Journal Physics D: Applied Physics, 2021, 54, 445108.	2.8	5
11	Broadband negative-index surface-waves on arrays of capped helices. Physical Review Research, 2021, 3, .	3.6	0
12	Slow acoustic surface modes through the use of hidden geometry. Scientific Reports, 2021, 11, 22010.	3.3	2
13	Extraordinary Transmission and Radiation From Finite by Infinite Arrays of Slots. IEEE Transactions on Antennas and Propagation, 2020, 68, 581-586.	5.1	4
14	Microwave Superdirectivity with Dimers of Helical Elements. Physical Review Applied, 2020, 13, .	3.8	2
15	Strong, omnidirectional radar backscatter from subwavelength, 3D printed metacubes. IET Microwaves, Antennas and Propagation, 2020, 14, 1862-1868.	1.4	10
16	3D-printed Metasurfaces of Capped Helices Providing Broadband Negative Mode Index. , 2020, , .		1
17	Coupled edge modes supported by a microwave metasurface. Optics Letters, 2020, 45, 1778.	3.3	0
18	Experimental characterisation of the bound acoustic surface modes supported by honeycomb and hexagonal hole arrays. Scientific Reports, 2019, 9, 15773.	3.3	6

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19	Metasurface bilayer for slow microwave surface waves. <i>Physical Review B</i> , 2019, 100, .	3.2	4
20	The waveguiding of sound using lines of resonant holes. <i>Scientific Reports</i> , 2019, 9, 11508.	3.3	9
21	Broadband, slow sound on a glide-symmetric meander-channel surface. <i>Journal of the Acoustical Society of America</i> , 2019, 145, 3190-3194.	1.1	10
22	Underwater acoustic surface waves on a periodically perforated metal plate. <i>Journal of the Acoustical Society of America</i> , 2019, 146, 4569-4575.	1.1	5
23	Exploration of Microwave Edge Modes on a Metasurface with Glide Symmetry. , 2019, , .		0
24	A Broadband Stripline Technique for Characterizing Relative Permittivity and Permeability. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2019, 67, 231-238.	4.6	10
25	Covert Images Using Surface Plasmon-Mediated Optical Polarization Conversion. <i>Advanced Optical Materials</i> , 2018, 6, 1700843.	7.3	13
26	Microwave edge modes on a metasurface with glide symmetry. <i>Physical Review B</i> , 2018, 98, .	3.2	11
27	Mimicking graphene physics with a plane hexagonal wire mesh. <i>Applied Physics Letters</i> , 2018, 112, .	3.3	0
28	Isotropic Backward Waves Supported by a Spiral Array Metasurface. <i>Scientific Reports</i> , 2018, 8, 7098.	3.3	4
29	The acoustic phase resonances and surface waves supported by a compound rigid grating. <i>Scientific Reports</i> , 2018, 8, 10701.	3.3	6
30	Strong beaming of microwave surface waves with complementary split-ring-resonator arrays. <i>Scientific Reports</i> , 2018, 8, 12102.	3.3	4
31	Thin structured rigid body for acoustic absorption. <i>Applied Physics Letters</i> , 2017, 110, .	3.3	28
32	High index metasurfaces for graded lenses using glide symmetry. , 2017, , .		2
33	Mimicking glide symmetry dispersion with coupled slot metasurfaces. <i>Applied Physics Letters</i> , 2017, 111, .	3.3	35
34	Theoretical and experimental exploration of finite sample size effects on the propagation of surface waves supported by slot arrays. <i>Physical Review B</i> , 2017, 95, .	3.2	14
35	A broadband metasurface Luneburg lens for microwave surface waves. <i>Applied Physics Letters</i> , 2017, 111, .	3.3	22
36	Gapless states in microwave artificial graphene. <i>Applied Physics Letters</i> , 2017, 110, .	3.3	9

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37	Designer surface plasmon dispersion on a one-dimensional periodic slot metasurface with glide symmetry. <i>Optics Letters</i> , 2017, 42, 3375.	3.3	48
38	On the extraordinary optical transmission in parallel plate waveguides for non-TEM modes. <i>Optics Express</i> , 2017, 25, 24670.	3.4	8
39	Direct observation of negative-index microwave surface waves. <i>Scientific Reports</i> , 2016, 6, 22018.	3.3	22
40	Fluid mobility over corrugated surfaces in the Stokes regime. <i>Physics of Fluids</i> , 2016, 28, 083101.	4.0	3
41	Broadband metasurface for surface wave lenses. , 2016, , .		3
42	Topological modes in one-dimensional solids and photonic crystals. <i>Physical Review B</i> , 2016, 93, .	3.2	7
43	Acoustic transmission through compound subwavelength slit arrays. <i>Physical Review B</i> , 2016, 94, .	3.2	14
44	Omnidirectional surface wave cloak using an isotropic homogeneous dielectric coating. <i>Scientific Reports</i> , 2016, 6, 30984.	3.3	10
45	Resonantly induced transparency for metals with low angular dependence. <i>Applied Physics Letters</i> , 2016, 109, 241601.	3.3	3
46	Boundary-Layer Effects on Acoustic Transmission Through Narrow Slit Cavities. <i>Physical Review Letters</i> , 2015, 115, 044302.	7.8	76
47	The Effect of Rotational Disorder on the Microwave Transmission of Checkerboard Metal Square Arrays. <i>Scientific Reports</i> , 2015, 5, 16608.	3.3	8
48	Independently controlling permittivity and diamagnetism in broadband, low-loss, isotropic metamaterials at microwave frequencies. <i>Applied Physics Letters</i> , 2015, 106, .	3.3	8
49	Structured photons take it slow. <i>Science</i> , 2015, 347, 828-828.	12.6	7
50	Polarization conversion from a thin cavity array in the microwave regime. <i>Scientific Reports</i> , 2015, 5, 9366.	3.3	31
51	Surface plasmons at the Brillouin zone boundary of an oblique lattice. <i>Applied Physics Letters</i> , 2015, 106, .	3.3	3
52	Broadband impedance-matched electromagnetic structured ferrite composite in the megahertz range. <i>Applied Physics Letters</i> , 2014, 104, 221905.	3.3	3
53	An acoustic double fishnet using Helmholtz resonators. <i>Journal of the Acoustical Society of America</i> , 2014, 136, 980-984.	1.1	9
54	Microwave Transmission Through an Array of Ring Slots in a Metal Sheet Capped With Concentric Metal Rings. <i>IEEE Transactions on Antennas and Propagation</i> , 2013, 61, 458-461.	5.1	5

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55	Thin metamaterial Luneburg lens for surface waves. <i>Physical Review B</i> , 2013, 87, .	3.2	83
56	Resonantly overcoming metal opacity. <i>Applied Physics Letters</i> , 2013, 102, 011120.	3.3	6
57	Broadband and low loss high refractive index metamaterials in the microwave regime. <i>Applied Physics Letters</i> , 2013, 102, 091108.	3.3	10
58	Control of the stop band of an acoustic double fishnet. <i>Journal of the Acoustical Society of America</i> , 2013, 134, 1754-1759.	1.1	4
59	Direct mapping of surface plasmon dispersion using imaging scatterometry. <i>Applied Physics Letters</i> , 2013, 102, .	3.3	13
60	Heavily loaded ferrite-polymer composites to produce high refractive index materials at centimetre wavelengths. <i>APL Materials</i> , 2013, 1, .	5.1	9
61	Surface plasmons on zig-zag gratings. <i>Optics Express</i> , 2012, 20, 23921.	3.4	7
62	Surface wave resonances supported on a square array of square metallic pillars. <i>Applied Physics Letters</i> , 2012, 100, .	3.3	21
63	Characterizing Two Methods for Achieving Intermediate Surface Pretilt. <i>Molecular Crystals and Liquid Crystals</i> , 2012, 553, 81-89.	0.9	3
64	Resonant microwave transmission from a double layer of subwavelength metal square arrays: Evanescent handedness. <i>Physical Review B</i> , 2012, 86, .	3.2	2
65	Electromagnetic response of closely spaced metal meshes. <i>Physical Review B</i> , 2012, 86, .	3.2	2
66	Surface waves at microwave frequencies excited on a zigzag metasurface. <i>Physical Review B</i> , 2012, 86, .	3.2	8
67	Blue butterflies feel the heat. <i>Nature Photonics</i> , 2012, 6, 141-142.	31.4	14
68	Microwave resonances of ultrathin hexagonally symmetric microcavity arrays. <i>Journal of Applied Physics</i> , 2012, 112, .	2.5	6
69	Low acoustic transmittance through a holey structure. <i>Physical Review B</i> , 2012, 85, .	3.2	17
70	Metamaterial tunnel barrier gives broadband microwave transmission. <i>Journal of Applied Physics</i> , 2011, 109, 013104.	2.5	12
71	Multi-modal transmission of microwaves through hole arrays. <i>Optics Express</i> , 2011, 19, 13793.	3.4	5
72	MICROWAVE TRANSMISSION OF A HEXAGONAL ARRAY OF TRIANGULAR METAL PATCHES. <i>Progress in Electromagnetics Research M</i> , 2011, 20, 219-229.	0.9	3

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73	Structurally dictated anisotropic "designer surface plasmons". Applied Physics Letters, 2011, 99, 181107.	3.3	6
74	Otto coupling to a transverse-electric-polarized mode on a metamaterial surface. Physical Review B, 2011, 84, .	3.2	4
75	Small Surface Pretilt Strikingly Affects the Director Profile during Poiseuille Flow of a Nematic Liquid Crystal. Physical Review Letters, 2010, 104, 248301.	7.8	16
76	Babinet's principle and the band structure of surface waves on patterned metal arrays. Journal of Applied Physics, 2010, 107, .	2.5	9
77	Resonantly inverted microwave transmissivity threshold of metal grids. New Journal of Physics, 2010, 12, 063007.	2.9	13
78	Microwave response of hole and patch arrays. Physical Review B, 2010, 82, .	3.2	2
79	Microwave transmission through a metal capped array of holes in a metal sheet. Optics Express, 2010, 18, 23916.	3.4	2
80	Surface-plasmon voltammetry using a gold grating. Journal Physics D: Applied Physics, 2010, 43, 385301.	2.8	2
81	Flow-driven transition and associated velocity profiles in a nematic liquid-crystal cell. Physical Review E, 2009, 80, 041706.	2.1	31
82	Phase resonances on metal gratings of identical, equally spaced alternately tapered slits. Applied Physics Letters, 2009, 95, 041905.	3.3	21
83	Otto-coupled surface plasmons in a liquid crystal cell. Applied Physics Letters, 2009, 95, 171102.	3.3	4
84	Microwave transmissivity of a metamaterial "dielectric stack. Applied Physics Letters, 2009, 95, .	3.3	14
85	Thin resonant structures for angle and polarization independent microwave absorption. Applied Physics Letters, 2009, 94, 041913.	3.3	35
86	Analysis of the sign-dependent switching observed in a hybrid aligned nematic cell. New Journal of Physics, 2009, 11, 013045.	2.9	3
87	Dual-channel differential surface plasmon ellipsometry for bio-chemical sensing. Biosensors and Bioelectronics, 2009, 25, 411-417.	10.1	23
88	Anomalous uniform domain in a twisted nematic cell constructed from micropatterned surfaces. Liquid Crystals, 2009, 36, 353-358.	2.2	7
89	Electromagnetic resonances of a multilayer metal-dielectric stack. Journal of the Optical Society of America B: Optical Physics, 2009, 26, 734.	2.1	18
90	Surface plasmon polaritons on deep, narrow-ridged rectangular gratings. Journal of the Optical Society of America B: Optical Physics, 2009, 26, 1228.	2.1	20

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91	Localized surface-plasmon resonances and negative refractive index in nanostructured electromagnetic metamaterials. <i>Physical Review B</i> , 2009, 80, .	3.2	41
92	Microwave Surface-Plasmon-Like Modes on Thin Metamaterials. <i>Physical Review Letters</i> , 2009, 102, 073901.	7.8	142
93	Localized surface-plasmon resonances in periodic nondiffracting metallic nanoparticle and nanohole arrays. <i>Physical Review B</i> , 2009, 79, .	3.2	116
94	Conoscopic observation of director reorientation during Poiseuille flow of a nematic liquid crystal. <i>Applied Physics Letters</i> , 2009, 95, 171114.	3.3	12
95	Surface plasmon mediated transmission of subwavelength slits at THz frequencies. <i>Physical Review B</i> , 2008, 77, .	3.2	59
96	Resonant Absorption of THz Radiation Using Nematic Liquid Crystals. <i>Molecular Crystals and Liquid Crystals</i> , 2008, 494, 320-327.	0.9	12
97	Tuneable Fabry-Perot etalon for terahertz radiation. <i>New Journal of Physics</i> , 2008, 10, 033012.	2.9	42
98	The transverse magnetic reflectivity minimum of metals. <i>Optics Express</i> , 2008, 16, 7580.	3.4	7
99	Some considerations on the transmissivity of thin metal films. <i>Optics Express</i> , 2008, 16, 17258.	3.4	22
100	Prism coupling to 'designer' surface plasmons. <i>Optics Express</i> , 2008, 16, 20441.	3.4	37
101	Optical resonances on sub-wavelength silver lamellar gratings. <i>Optics Express</i> , 2008, 16, 22003.	3.4	18
102	Importance of diffraction in determining the dispersion of designer surface plasmons. <i>Physical Review B</i> , 2008, 78, .	3.2	53
103	Surface plasmons on metamaterials. , 2008, , .		0
104	Localised modes of sub-wavelength hole arrays in thin metal films. , 2008, , .		1
105	Transmission of microwave radiation through a sub-wavelength slit with internal structure. <i>Proceedings of SPIE</i> , 2008, , .	0.8	0
106	Coupled surface plasmons on thin silver gratings. <i>Journal of Optics</i> , 2008, 10, 015007.	1.5	17
107	Enhanced confocal microscopy imaging of the in-plane switching of cholesteric liquid crystal cells. , 2008, , .		2
108	Surface plasmon differential ellipsometry of aqueous solutions for bio-chemical sensing. <i>Journal Physics D: Applied Physics</i> , 2008, 41, 105408.	2.8	22

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109	Time-resolved sign-dependent switching in a hybrid aligned nematic liquid crystal cell. <i>New Journal of Physics</i> , 2008, 10, 083045.	2.9	2
110	Voltage dependent director of a homeotropic negative liquid crystal cell. <i>Applied Physics Letters</i> , 2008, 93, 031909.	3.3	8
111	Angle-independent microwave absorption by ultrathin microcavity arrays. <i>Journal of Applied Physics</i> , 2008, 104, 043105.	2.5	20
112	Exploration of the surface director profile in a liquid crystal cell using coupling between the surface plasmon and half-leaky optical guided modes. <i>Applied Physics Letters</i> , 2008, 92, 151103.	3.3	3
113	Strongly coupled surface plasmons on thin shallow metallic gratings. <i>Physical Review B</i> , 2008, 77, .	3.2	40
114	Optical imaging of the effect of in-plane fields on cholesteric liquid crystals. <i>Physical Review E</i> , 2008, 78, 012701.	2.1	9
115	Coupled surface plasmons and optical guided wave exploration of near-surface director profile. <i>New Journal of Physics</i> , 2007, 9, 49-49.	2.9	3
116	Measurement of Azimuthal Backflow in a Dual-Frequency Chiral HAN Cell. <i>Molecular Crystals and Liquid Crystals</i> , 2007, 477, 57-65.	0.9	5
117	Slow waves caused by cuts perpendicular to a single subwavelength slit in metal. <i>New Journal of Physics</i> , 2007, 9, 1-1.	2.9	279
118	Determination of the director profile in a nematic cell from guided wave data: an inverse problem. <i>New Journal of Physics</i> , 2007, 9, 166-166.	2.9	6
119	Resonant transmission of microwaves through a hexagonal array of holes in a thin metal layer. <i>New Journal of Physics</i> , 2007, 9, 101-101.	2.9	3
120	Transmission of microwaves through a stepped subwavelength slit. <i>Applied Physics Letters</i> , 2007, 91, 251106.	3.3	28
121	Numerical Simulation of a Twisted Nematic Cell Constructed From Micropatterned Substrates. <i>Molecular Crystals and Liquid Crystals</i> , 2007, 475, 3-11.	0.9	3
122	Dynamic control of visible radiation by a liquid crystal filled Fabry-Pérot etalon. <i>Journal of Applied Physics</i> , 2007, 102, 093108.	2.5	3
123	Enhanced microwave transmission through a patterned metal film. <i>Applied Physics Letters</i> , 2007, 90, 223506.	3.3	8
124	Coupled surface-plasmon-like modes between metamaterial. <i>Physical Review B</i> , 2007, 76, .	3.2	10
125	Grating-coupled surface plasmon polaritons and waveguide modes in a silver-dielectric-silver structure. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2007, 24, 3547.	1.5	9
126	Complex permittivities of a nematic liquid crystal in a hybrid-aligned cell. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2007, 24, 527.	2.1	4



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127	Polarization rotator using a hybrid aligned nematic liquid crystal cell. <i>Optics Express</i> , 2007, 15, 4192.	3.4	20
128	Optical anisotropy and liquid-crystal alignment properties of rubbed polyimide layers. <i>Liquid Crystals</i> , 2007, 34, 1433-1441.	2.2	12
129	Photonic bandgaps for grating-coupled waveguide modes with a silver tunnel barrier. <i>New Journal of Physics</i> , 2007, 9, 251-251.	2.9	6
130	Resonant absorption of electromagnetic fields by surface plasmons buried in a multilayered plasmonic nanostructure. <i>Physical Review B</i> , 2006, 74, .	3.2	61
131	Waveguide Arrays as Plasmonic Metamaterials: Transmission below Cutoff. <i>Physical Review Letters</i> , 2006, 96, 073904.	7.8	73
132	Microwave Transmission of a Compound Metal Grating. <i>Physical Review Letters</i> , 2006, 96, 257402.	7.8	71
133	Metal slits and liquid crystals at microwave frequencies. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2006, 364, 2733-2746.	3.4	10
134	Making Tunnel Barriers (Including Metals) Transparent. <i>Physical Review Letters</i> , 2006, 97, 053902.	7.8	75
135	The optical response of single-interface and thin slab dielectric gratings. <i>Journal of Optics</i> , 2006, 8, S250-S263.	1.5	0
136	Orientalional transition in a nematic liquid crystal at a patterned surface. <i>Physical Review E</i> , 2006, 74, 022701.	2.1	29
137	Dynamic response of a dual-frequency chiral hybrid aligned nematic liquid-crystal cell. <i>Physical Review E</i> , 2006, 73, 011706.	2.1	11
138	Low dispersion surface plasmon-polaritons on deep silver gratings. <i>Journal of Modern Optics</i> , 2006, 53, 1569-1576.	1.3	7
139	The resonant electromagnetic fields of an array of metallic slits acting as Fabry-Perot cavities. <i>Journal of Applied Physics</i> , 2006, 99, 124903.	2.5	74
140	One-way diffraction grating. <i>Physical Review E</i> , 2006, 74, 056611.	2.1	68
141	Introduction: new directions in liquid crystal science. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2006, 364, 2567-2571.	3.4	19
142	Resonant transmission of microwaves through a finite length subwavelength metallic slit. <i>New Journal of Physics</i> , 2005, 7, 250-250.	2.9	7
143	Rapid switching in a dual-frequency hybrid aligned nematic liquid crystal cell. <i>Applied Physics Letters</i> , 2005, 87, 021106.	3.3	27
144	Microwave Transmission through a Single Subwavelength Annular Aperture in a Metal Plate. <i>Physical Review Letters</i> , 2005, 94, 193902.	7.8	40

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145	Low angular-dispersion microwave absorption of a metal dual-period nondiffracting hexagonal grating. <i>Applied Physics Letters</i> , 2005, 86, 184103.	3.3	9
146	Remarkable Zeroth-Order Resonant Transmission of Microwaves through a Single Subwavelength Metal Slit. <i>Physical Review Letters</i> , 2005, 95, 187407.	7.8	14
147	Experimental Verification of Designer Surface Plasmons. <i>Science</i> , 2005, 308, 670-672.	12.6	749
148	Leaky-wave exploration of two-stage switch-on in a nematic pi-cell. <i>Applied Physics Letters</i> , 2005, 86, 052502.	3.3	8
149	Optical characterization of a dual-frequency hybrid aligned nematic liquid crystal cell. <i>Optics Express</i> , 2005, 13, 2627.	3.4	15
150	Enhanced microwave transmission through a single subwavelength aperture surrounded by concentric grooves. <i>Journal of Optics</i> , 2005, 7, S152-S158.	1.5	41
151	Delay effect of switch-on in a supertwisted nematic cell. <i>Applied Physics Letters</i> , 2004, 85, 5070-5072.	3.3	0
152	Broad-band polarization conversion from a finite periodic structure in the microwave regime. <i>Applied Physics Letters</i> , 2004, 84, 849-851.	3.3	13
153	Microwave liquid-crystal variable phase grating. <i>Applied Physics Letters</i> , 2004, 85, 2041-2043.	3.3	33
154	Dynamical process of switch-off in a supertwisted nematic cell. <i>Journal of Applied Physics</i> , 2004, 96, 310-315.	2.5	4
155	Sensing using differential surface plasmon ellipsometry. <i>Journal of Applied Physics</i> , 2004, 96, 3004-3011.	2.5	40
156	Remarkable iridescence in the hindwings of the damselfly <i>Neurobasis chinensis chinensis</i> (Linnaeus) (Zygoptera: Calopterygidae). <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2004, 271, 595-601.	2.6	61
157	Optical waveguide characterization of a tristable antiferroelectric liquid crystal cell. <i>Journal of Applied Physics</i> , 2004, 95, 2246-2249.	2.5	5
158	Observation of Switching in Tri-Stable Antiferroelectric Cells. <i>Ferroelectrics</i> , 2004, 310, 79-84.	0.6	0
159	Observation of backflow in the switch-on dynamics of a hybrid aligned nematic. <i>Applied Physics Letters</i> , 2004, 84, 46-48.	3.3	14
160	Surface-topography-induced enhanced transmission and directivity of microwave radiation through a subwavelength circular metal aperture. <i>Applied Physics Letters</i> , 2004, 84, 2040-2042.	3.3	98
161	Squeezing Millimeter Waves into Microns. <i>Physical Review Letters</i> , 2004, 92, 143904.	7.8	107
162	Finite Conductance Governs the Resonance Transmission of Thin Metal Slits at Microwave Frequencies. <i>Physical Review Letters</i> , 2004, 92, 147401.	7.8	111

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163	Differential ellipsometric surface plasmon resonance sensors with liquid crystal polarization modulators. Applied Physics Letters, 2004, 85, 3017-3019.	3.3	36
164	Coupled surface plasmon polaritons on thin metal slabs corrugated on both surfaces. Physical Review B, 2004, 70, .	3.2	77
165	Natural Grain Boundaries Over 3 Orders of Magnitude: Atomic vs. Bio-Photonic (Poly-) Crystals Examined by TEM.. Microscopy and Microanalysis, 2004, 10, 4-5.	0.4	3
166	Photonic structures in biology. Nature, 2003, 424, 852-855.	27.8	1,731
167	Surface plasmon polaritons on narrow-ridged short-pitch metal gratings in the conical mount. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2003, 20, 836.	1.5	30
168	Light scattering by microscopic spheres behind a glass-air interface. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2003, 20, 1589.	1.5	7
169	Light emission from whispering-gallery modes in microscopic spheres. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2003, 20, 1785.	1.5	4
170	Self-Organized Periodic Photonic Structure in a Nonchiral Liquid Crystal. Physical Review Letters, 2003, 91, 033901.	7.8	27
171	Reply to "Comment on "Optical determination of flexoelectric coefficients and surface polarization in a hybrid aligned nematic cell" " Physical Review E, 2003, 68, .	2.1	8
172	Surface plasmon polaritons on thin-slab metal gratings. Physical Review B, 2003, 67, .	3.2	56
173	Theory of nematic-smectic phase separation in thin twisted liquid crystal cells. Liquid Crystals, 2003, 30, 823-830.	2.2	2
174	Backflow in the relaxation of a hybrid aligned nematic cell. Applied Physics Letters, 2003, 82, 3156-3158.	3.3	17
175	Surface-plasmon-enhanced light scattering from microscopic spheres. Applied Physics Letters, 2003, 83, 3006-3008.	3.3	11
176	Low angular-dispersion microwave absorption of a dual-pitch nondiffracting metal bigrating. Applied Physics Letters, 2003, 83, 806-808.	3.3	7
177	Flow-Induced Twist-Compression in a Twisted Nematic Cell. Physical Review Letters, 2003, 90, 168701.	7.8	7
178	FULLY-LEAKY GUIDED MODE MEASUREMENT OF THE FLEXOELECTRIC CONSTANT ( $\epsilon_{11} + \epsilon_{33}$ ) OF A NEMATIC LIQUID CRYSTAL. Molecular Crystals and Liquid Crystals, 2003, 401, 67-73.	0.9	13
179	Fully leaky guided mode study of the flexoelectric effect and surface polarization in hybrid aligned nematic cells. Journal of Applied Physics, 2002, 92, 19-24.	2.5	54
180	Fully leaky guided mode study of an orthoconic antiferroelectric liquid crystal cell deviating from perfect horizontal surface stabilization. Journal of Applied Physics, 2002, 91, 9667.	2.5	15

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181	Direct Optical Quantification of Backflow in a 90° Twisted Nematic Cell. <i>Physical Review Letters</i> , 2002, 88, 088301.	7.8	16
182	Surface plasmon polaritons on narrow-ridged short-pitch metal gratings. <i>Physical Review B</i> , 2002, 66, .	3.2	27
183	Molecular rectification at 8 K in an Au/C16H33Q-3CNQ LB film/ Au structure. <i>Applied Physics Letters</i> , 2002, 81, 2300-2302.	3.3	44
184	Fully leaky guided wave determination of the original alignment direction for the directors at the walls in a twisted nematic liquid crystal cell. <i>Journal of Applied Physics</i> , 2002, 92, 1744-1751.	2.5	5
185	Limited-view iridescence in the butterfly <i>Ancyluris meliboeus</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2002, 269, 7-14.	2.6	70
186	A liquid crystal microwave wavelength selector. <i>Liquid Crystals Today</i> , 2002, 11, 1-2.	2.3	3
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