Jean-Jacques Greffet

List of Publications by Year
in descending order

260	17,251	17405 63	15218 126
papers	citations	h-index	g-index

262	262	262	10420
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Resonant Optical Antennas. Science, 2005, 308, 1607-1609.	6.0	1,988
2	Coherent emission of light by thermal sources. Nature, 2002, 416, 61-64.	13.7	1,179
3	Surface electromagnetic waves thermally excited: Radiative heat transfer, coherence properties and Casimir forces revisited in the near field. Surface Science Reports, 2005, 57, 59-112.	3.8	787
4	Radiative heat transfer at the nanoscale. Nature Photonics, 2009, 3, 514-517.	15.6	561
5	Thermal radiation scanning tunnelling microscopy. Nature, 2006, 444, 740-743.	13.7	449
6	Radiative and non-radiative decay of a single molecule close to a metallic nanoparticle. Optics Communications, 2006, 261, 368-375.	1.0	361
7	Definition and measurement of the local density of electromagnetic states close to an interface. Physical Review B, 2003, 68, .	1.1	318
8	Image formation in near-field optics. Progress in Surface Science, 1997, 56, 133-237.	3.8	316
9	Near-field thermophotovoltaic energy conversion. Journal of Applied Physics, 2006, 100, 063704.	1.1	315
10	ENHANCED RADIATIVE HEAT TRANSFER AT NANOMETRIC DISTANCES. Microscale Thermophysical Engineering, 2002, 6, 209-222.	1.2	307
11	Near-Field Spectral Effects due to Electromagnetic Surface Excitations. Physical Review Letters, 2000, 85, 1548-1551.	2.9	291
12	Near-Field Effects in Spatial Coherence of Thermal Sources. Physical Review Letters, 1999, 82, 1660-1663.	2.9	289
13	Berreman mode and epsilon near zero mode. Optics Express, 2012, 20, 23971.	1.7	243
14	Nanoscale radiative heat transfer between a small particle and a plane surface. Applied Physics Letters, 2001, 78, 2931-2933.	1.5	211
15	Controlling Spontaneous Emission with Plasmonic Optical Patch Antennas. Nano Letters, 2013, 13, 1516-1521.	4.5	209
16	Optical Patch Antennas for Single Photon Emission Using Surface Plasmon Resonances. Physical Review Letters, 2010, 104, 026802.	2.9	207
17	Confined Tamm Plasmon Lasers. Nano Letters, 2013, 13, 3179-3184.	4.5	207
18	Heat Transfer between Two Nanoparticles Through Near Field Interaction. Physical Review Letters, 2005, 94, 085901.	2.9	204

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19	Single-molecule spontaneous emission close to absorbing nanostructures. Applied Physics Letters, 2004, 85, 3863-3865.	1.5	199
20	APPLIED PHYSICS: Nanoantennas for Light Emission. Science, 2005, 308, 1561-1563.	6.0	183
21	Epsilon-Near-Zero Strong Coupling in Metamaterial-Semiconductor Hybrid Structures. Nano Letters, 2013, 13, 5391-5396.	4.5	178
22	Experimental and theoretical study of reflection and coherent thermal emissionby a SiC grating supporting a surface-phonon polariton. Physical Review B, 1997, 55, 10105-10114.	1.1	177
23	Field theory for generalized bidirectional reflectivity: derivation of Helmholtzâ€™s reciprocity principle and Kirchhoffâ€™s law. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1998, 15, 2735.	0.8	177
24	Non-blinking quantum dot with a plasmonic nanoshell resonator. Nature Nanotechnology, 2015, 10, 170-175.	15.6	170
25	Nanoscale heat flux between nanoporous materials. Optics Express, 2011, 19, A1088.	1.7	169
26	Mesoscopic Description of Radiative Heat Transfer at the Nanoscale. Physical Review Letters, 2010, 105, 234301.	2.9	164
27	Plasmonic Metasurface for Directional and Frequency-Selective Thermal Emission. Physical Review Applied, 2015, 4, .	1.5	161
28	Effects of spatial dispersion in near-field radiative heat transfer between two parallel metallic surfaces. Physical Review B, 2008, 77, .	1.1	159
29	Coherent spontaneous emission of light by thermal sources. Physical Review B, 2004, 69, .	1.1	144
30	Highly directional radiation generated by a tungsten thermal source. Optics Letters, 2005, 30, 2623.	1.7	143
31	Quantum Thermal Bath for Molecular Dynamics Simulation. Physical Review Letters, 2009, 103, 190601.	2.9	136
32	Impedance of a Nanoantenna and a Single Quantum Emitter. Physical Review Letters, 2010, 105, 117701.	2.9	136
33	Epsilon-Near-Zero Mode for Active Optoelectronic Devices. Physical Review Letters, 2012, 109, 237401.	2.9	132
34	Radiation forces on small particles in thermal near fields. Journal of Optics, 2002, 4, S109-S114.	1.5	130
35	Surface plasmon Fourier optics. Physical Review B, 2009, 79, .	1.1	127
36	Quantum theory of spontaneous and stimulated emission of surface plasmons. Physical Review B, 2010, 82, .	1.1	117

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37	Blackbody Spectrum Revisited in the Near Field. Physical Review Letters, 2013, 110, 146103.	2.9	117
38	Stimulated Emission Depletion Microscopy Resolves Individual Nitrogen Vacancy Centers in Diamond Nanocrystals. ACS Nano, 2013, 7, 10912-10919.	7.3	111
39	Spatial coherence of thermal near fields. Optics Communications, 2000, 186, 57-67.	1.0	103
40	Coherent Thermal Antenna Using a Photonic Crystal Slab. Physical Review Letters, 2006, 96, 123903.	2.9	100
41	Coherent Scattering of Near-Resonant Light by a Dense Microscopic Cold Atomic Cloud. Physical Review Letters, 2016, 116, 233601.	2.9	100
42	Resonant transmission through a metallic film due to coupled modes. Optics Express, 2005, 13, 70.	1.7	99
43	Friction forces arising from fluctuating thermal fields. Physical Review A, 2004, 69, .	1.0	97
44	Reciprocity of evanescent electromagnetic waves. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1998, 15, 706.	0.8	94
45	Two-dimensional numerical simulation of the photon scanning tunneling microscope. Concept of transfer function. Optics Communications, 1995, 116, 316-321.	1.0	91
46	Coupled surface polaritons and the Casimir force. Physical Review A, 2004, 69, .	1.0	89
47	Radiative heat transfer between metallic nanoparticles. Applied Physics Letters, 2008, 92, .	1.5	85
48	Roadmap on optical energy conversion. Journal of Optics (United Kingdom), 2016, 18, 073004.	1.0	85
49	Revisiting Quantum Optics with Surface Plasmons and Plasmonic Resonators. ACS Photonics, 2017, 4, 2091-2101.	3.2	85
50	Reciprocity, unitarity, and time-reversal symmetry of theSmatrix of fields containing evanescent components. Physical Review A, 2000, 62, .	1.0	83
51	Coherent thermal infrared emission by two-dimensional silicon carbide gratings. Physical Review B, 2012, 86, .	1.1	82
52	Influence of microroughness on emissivity. Journal of Applied Physics, 2004, 96, 2656-2664.	1.1	81
53	Fast nanoscale heat-flux modulation with phase-change materials. Physical Review B, 2011, 83, .	1.1	81
54	Influence of dielectric contrast and topography on the near field scattered by an inhomogeneous surface. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1995, 12, 2716.	0.8	80

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55	Enhanced radiative heat transfer between nanostructured gold plates. Physical Review B, 2012, 85, .	1.1	80
56	Engineering infrared emission properties of silicon in the near field and the far field. Optics Communications, 2004, 237, 379-388.	1.0	76
57	Huygens-Fresnel principle for surface plasmons. Optics Express, 2009, 17, 17483.	1.7	75
58	Radiative heat transfer between two dielectric nanogratings in the scattering approach. Physical Review B, 2012, 86, .	1.1	75
59	Anti-coalescence of bosons on a lossy beam splitter. Science, 2017, 356, 1373-1376.	6.0	71
60	Light Emission by Nonequilibrium Bodies: Local Kirchhoff Law. Physical Review X, 2018, 8, .	2.8	71
61	Surface profile reconstruction using near-field data. Optics Communications, 1995, 116, 20-24.	1.0	68
62	Near-field induction heating of metallic nanoparticles due to infrared magnetic dipole contribution. Physical Review B, 2008, 77, .	1.1	66
63	Theory of electromagnetic field imaging and spectroscopy in scanning near-field optical microscopy. Journal of Applied Physics, 2000, 88, 4845.	1.1	65
64	Scattering of electromagnetic waves by rough dielectric surfaces. Physical Review B, 1988, 37, 6436-6441.	1.1	64
65	Time-dependent transport through scattering media: from radiative transfer to diffusion. Journal of Optics, 2002, 4, S103-S108.	1.5	64
66	Scattering of a surface plasmon polariton by a surface defect. Physical Review B, 1994, 50, 15261-15275.	1.1	63
67	Influence of metallic nanoparticles on upconversion processes. Journal of Applied Physics, 2009, 105, .	1.1	62
68	Nanoantenna for Electrical Generation of Surface Plasmon Polaritons. Physical Review Letters, 2016, 116, 106803.	2.9	62
69	Polarization-Controlled Confined Tamm Plasmon Lasers. ACS Photonics, 2015, 2, 842-848.	3.2	60
70	Near field scattered by a dielectric rod below a metallic surface. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1994, 11, 1117.	0.8	59
71	Diffusive-to-ballistic transition in dynamic light transmission through thin scattering slabs: a radiative transfer approach. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2004, 21, 1430.	0.8	58
72	Theory of electrostatic probe microscopy: A simple perturbative approach. Applied Physics Letters, 2000, 76, 2955-2957.	1.5	56

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73	The diffusion of partially coherent beams in turbulent media. Optics Communications, 2002, 208, 1-8.	1.0	56
74	Tuning the electromagnetic local density of states in graphene-covered systems via strong coupling with graphene plasmons. Physical Review B, 2013, 87, .	1.1	56
75	Optical content and resolution of near-field optical images: Influence of the operating mode. Journal of Applied Physics, 1997, 82, 501-509.	1.1	55
76	Influence of tip modulation on image formation in scanning near-field optical microscopy. Journal of Applied Physics, 2001, 89, 5159-5169.	1.1	55
77	Degree of polarization of thermal light emitted by gratings supporting surface waves. Optics Express, 2008, 16, 5305.	1.7	55
78	Brewster â€œmodeâ€•in highly doped semiconductor layers: an all-optical technique to monitor doping concentration. Optics Express, 2014, 22, 24294.	1.7	54
79	Tip-shape effects on electrostatic force microscopy resolution. Nanotechnology, 2001, 12, 496-499.	1.3	53
80	Fast microfluidic temperature control for high resolution live cell imaging. Lab on A Chip, 2011, 11, 484-489.	3.1	51
81	Electrical modulation of emissivity. Applied Physics Letters, 2013, 102, .	1.5	51
82	Heat transfer between a nano-tip and a surface. Nanotechnology, 2006, 17, 2978-2981.	1.3	48
83	Experimental evidence of nanometer-scale confinement of plasmonic eigenmodes responsible for hot spots in random metallic films. Physical Review B, 2013, 88, .	1.1	48
84	Scattering of s-polarized electromagnetic waves by a 2d obstacle near an interface. Optics Communications, 1989, 72, 274-278.	1.0	47
85	Theoretical model of the shift of the Brewster angle on a rough surface. Optics Letters, 1992, 17, 238.	1.7	45
86	Polaritonic modes in a dense cloud of cold atoms. Physical Review A, 2016, 93, .	1.0	43
87	Near-field optical spectroscopy using an incoherent light source. Applied Physics Letters, 2000, 76, 397-399.	1.5	42
88	Experimental study of hot spots in gold/glass nanocomposite films by photoemission electron microscopy. Physical Review B, 2012, 85, .	1.1	41
89	Hyperbolic metamaterials and surface plasmon polaritons. Optica, 2017, 4, 1409.	4.8	41
90	Photon diffusion coefficient in scattering and absorbing media. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2006, 23, 1106.	0.8	40

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91	Design of highly efficient metallo-dielectric patch antennas for single-photon emission. Optics Express, 2014, 22, 2337.	1.7	39
92	Ultrathin Cu(In,Ga)Se2 based solar cells. Thin Solid Films, 2017, 633, 55-60.	0.8	39
93	Noncontact surface temperature measurement by means of a modulated photothermal effect. Applied Optics, 1990, 29, 979.	2.1	38
94	Light scattering by a random distribution of particles embedded in absorbing media: full-wave Monte Carlo solutions of the extinction coefficient. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2007, 24, 2953.	0.8	37
95	Controlled incandescence. Nature, 2011, 478, 191-192.	13.7	37
96	Optical approaches to improve the photocurrent generation in Cu(In,Ga)Se2 solar cells with absorber thicknesses down to 0.5â€‰Î¼m. Journal of Applied Physics, 2012, 112, .	1.1	37
97	Antenna surface plasmon emission by inelastic tunneling. Nature Communications, 2019, 10, 4949.	5.8	37
98	Beyond the Diffusing-Wave Spectroscopy Model for the Temporal Fluctuations of Scattered Light. Physical Review Letters, 2004, 92, 213903.	2.9	36
99	Single-plasmon interferences. Science Advances, 2016, 2, e1501574.	4.7	36
100	Generation and Spatial Control of Hybrid Tamm Plasmon/Surface Plasmon Modes. ACS Photonics, 2016, 3, 1776-1781.	3.2	36
101	Propagation and localization of a surface plasmon polariton on a finite grating. Journal of the Optical Society of America B: Optical Physics, 1996, 13, 1499.	0.9	35
102	Influence of roughness on near-field heat transfer between two plates. Physical Review B, 2010, 82, .	1.1	35
103	CMOS compatible metal-insulator-metal plasmonic perfect absorbers. Optical Materials Express, 2016, 6, 2389.	1.6	34
104	On the equivalence between the illumination and collection modes of the scanning near-field optical microscope. Optics Communications, 1997, 142, 7-13.	1.0	33
105	Radiative heat transfer at nanoscale mediated by surface plasmons for highly doped silicon. Applied Physics Letters, 2009, 95, .	1.5	33
106	Near-field heat transfer between a nanoparticle and a rough surface. Physical Review B, 2010, 81, .	1.1	33
107	Superlens in the Time Domain. Physical Review Letters, 2012, 109, 097405.	2.9	33
108	Midinfrared Ultrastrong Lightâ€“Matter Coupling for THz Thermal Emission. ACS Photonics, 2017, 4, 2550-2555.	3.2	33

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109	Tailoring silicon radiative properties. Optics Communications, 2005, 250, 316-320.	1.0	32
110	Anisotropic Polarized Emission of a Doped Silicon Lamellar Grating. Journal of Heat Transfer, 2007, 129, 11-16.	1.2	32
111	Enhancing thermal radiation with nanoantennas to create infrared sources with high modulation rates. Optica, 2018, 5, 175.	4.8	32
112	Polarization effects in the optical interaction between a nanoparticle and a corrugated surface: implications for apertureless near-field microscopy. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1998, 15, 109.	0.8	31
113	Mean-field theory of light scattering by one-dimensional rough surfaces. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1998, 15, 528.	0.8	31
114	An incandescent metasurface for quasimonochromatic polarized mid-wave infrared emission modulated beyond 10â€‰MHz. Nature Communications, 2021, 12, 1492.	5.8	31
115	Diffraction of electromagnetic waves by crossed gratings: a series solution. Optics Letters, 1992, 17, 1740.	1.7	30
116	Light scattering by a random distribution of particles embedded in absorbing media: diagrammatic expansion of the extinction coefficient. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2007, 24, 2943.	0.8	30
117	Nonspecular astigmatic reflection of a 3D gaussian beam on an interface. Optics Communications, 1992, 93, 271-276.	1.0	28
118	Scattering by a slab containing randomly located cylinders: comparison between radiative transfer and electromagnetic simulation. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2001, 18, 374.	0.8	28
119	Study of the features of PSTM images by means of a perturbative approach. Ultramicroscopy, 1995, 57, 246-250.	0.8	27
120	Tailoring GaAs terahertz radiative properties with surface phonons polaritons. Applied Physics Letters, 2010, 97, .	1.5	27
121	Direct reconstruction of surfaces from near-field intensity under spatially incoherent illumination. Optics Letters, 1996, 21, 501.	1.7	26
122	High efficiency quasi-monochromatic infrared emitter. Applied Physics Letters, 2014, 104, 081101.	1.5	26
123	Optical Transmission of an Atomic Vapor in the Mesoscopic Regime. Physical Review Letters, 2019, 122, 113401.	2.9	26
124	Coherent reflection factor of a random rough surface: applications. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1993, 10, 2637.	0.8	25
125	Optical contrast, topographic contrast and artifacts in illumination-mode scanning near-field optical microscopy. Journal of Applied Physics, 1999, 86, 648-656.	1.1	25
126	Light scattering by a two-dimensional, rough penetrable medium: A mean-field theory. Radio Science, 1999, 34, 311-335.	0.8	25

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127	Definition of the diffusion coefficient in scattering and absorbing media. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2003, 20, 678.	0.8	25
128	Coherent thermal radiation. Contemporary Physics, 2007, 48, 183-194.	0.8	25
129	Dielectric gratings for wide-angle, broadband absorption by thin film photovoltaic cells. Applied Physics Letters, 2010, 97, 221111.	1.5	25
130	Asymptotic expressions describing radiative heat transfer between polar materials from the far-field regime to the nanoscale regime. Journal of Applied Physics, 2012, 111, .	1.1	25
131	Surface Plasmon Polaritons Emission with Nanopatch Antennas: Enhancement by Means of Mode Hybridization. ACS Photonics, 2019, 6, 2788-2796.	3.2	25
132	Analysis of image formation with a photon scanning tunneling microscope. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1996, 13, 35.	0.8	24
133	Effect of vortices on the spin-flip lifetime of atoms in superconducting atom-chips. Europhysics Letters, 2009, 87, 13002.	0.7	24
134	Theoretical and experimental investigation of the extinction in a dense distribution of particles: nonlocal effects. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2001, 18, 3072.	0.8	23
135	Radiative properties of scattering and absorbing dense media: theory and experimental study. Journal of Quantitative Spectroscopy and Radiative Transfer, 2003, 77, 193-210.	1.1	23
136	Influence of spatial coherence on scattering by a particle. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2003, 20, 2315.	0.8	23
137	Radiative heat transfer at nanoscale: Closed-form expression for silicon at different doping levels. Journal of Quantitative Spectroscopy and Radiative Transfer, 2010, 111, 1005-1014.	1.1	23
138	Scattering by deep inhomogeneous gratings. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1992, 9, 996.	0.8	22
139	Application of the pulsed photothermal effect to fast surface temperature measurements. Applied Optics, 1992, 31, 5350.	2.1	21
140	Reconstruction of the dielectric contrast profile from near-field data. Ultramicroscopy, 1995, 61, 11-16.	0.8	21
141	Mo/Cu(In, Ga)Se2 back interface chemical and optical properties for ultrathin CIGSe solar cells. Applied Surface Science, 2012, 258, 3058-3061.	3.1	21
142	Enhanced absorption by nanostructured silicon. Applied Physics Letters, 2008, 93, 193103.	1.5	20
143	Backscattering of s-polarized light from a cloud of small particles above a dielectric substrate. Waves in Random and Complex Media, 1991, 1, S65-S73.	1.5	19
144	Resonant infrared transmission through SiC films. Optics Letters, 2004, 29, 2178.	1.7	19

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145	Hot Carrier Solar Cells: Controlling Thermalization in Ultrathin Devices. IEEE Journal of Photovoltaics, 2012, 2, 506-511.	1.5	19
146	Design of surface microrelief with selective radiative properties. International Journal of Heat and Mass Transfer, 1994, 37, 553-558.	2.5	18
147	Relationship between the near-field speckle pattern and the statistical properties of a surface. Ultramicroscopy, 1995, 61, 43-50.	0.8	18
148	Spatial coherence in strongly scattering media. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2005, 22, 2329.	0.8	18
149	A hybrid plasmonic semiconductor laser. Applied Physics Letters, 2013, 102, .	1.5	18
150	Nonspecular reflection from a lossy dielectric. Optics Letters, 1993, 18, 1129.	1.7	17
151	Analysis of image formation with a photon scanning tunneling microscope. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1996, 13, 1.	0.8	17
152	Theory of near-field magneto-optical imaging. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2002, 19, 572.	0.8	17
153	DammaketÂal.Reply:. Physical Review Letters, 2011, 107, .	2.9	16
154	Radiative heat transfer from a black body to dielectric nanoparticles. Physical Review B, 2011, 84, .	1.1	16
155	Size-dependent infrared properties of MgO nanoparticles with evidence of screening effect. Applied Physics Letters, 2012, 100, 241904.	1.5	16
156	Graphene optical-to-thermal converter. Applied Physics Letters, 2014, 105, .	1.5	16
157	Scattering of electromagnetic waves by a grating: a numerical evaluation of the iterative-series solution. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1990, 7, 1483.	0.8	15
158	Comparison between theoretical and experimental scattering of an s-polarized electromagnetic wave by a two-dimensional obstacle on a surface. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1991, 8, 1261.	0.8	15
159	Equivalence of constant-height and constant-intensity images in scanning near-field optical microscopy. Optics Letters, 1996, 21, 1208.	1.7	15
160	Light Trapping in Ultrathin CIGS Solar Cell With Absorber Thickness of 0.1 mum. IEEE Journal of Photovoltaics, 2018, 8, 621-625.	1.5	15
161	Using radiative transfer equation to model absorption by thin Cu(In,Ga)Se_2 solar cells with Lambertian back reflector. Optics Express, 2013, 21, 2563.	1.7	14
162	Giant field enhancement in electromagnetic Helmholtz nanoantenna. Physical Review B, 2014, 90, .	1.1	14

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163	Near-Resonant Light Scattering by a Subwavelength Ensemble of Identical Atoms. Physical Review Letters, 2020, 124, 073403.	2.9	14
164	Scattering by randomly rough dielectric surfaces and rough dielectric films: influence of the height distribution. Journal of Optics, 1999, 1, 560-565.	1.5	13
165	Improving selective thermal emission properties of three-dimensional macroporous silicon through porosity tuning. Applied Physics Letters, 2008, 93, 081913.	1.5	13
166	Homogenization of an ensemble of interacting resonant scatterers. Physical Review A, 2017, 96, .	1.0	13
167	Light Emission by a Thermalized Ensemble of Emitters Coupled to a Resonant Structure. Advanced Optical Materials, 2019, 7, 1801697.	3.6	13
168	Metallo-dielectric metasurfaces for thermal emission with controlled spectral bandwidth and angular aperture. Optical Materials Express, 2022, 12, 1.	1.6	13
169	Structure of the electromagnetic field in a slab of photonic crystal. Journal of the Optical Society of America B: Optical Physics, 1997, 14, 339.	0.9	12
170	Temperature dependence of quantum dot fluorescence assisted by plasmonic nanoantennas. Physical Review B, 2015, 91, .	1.1	12
171	Strong Coupling of Nanoplatelets and Surface Plasmons on a Gold Surface. ACS Photonics, 2019, 6, 2643-2648.	3.2	12
172	Resonant optical transmission through a photonic crystal in the forbidden gap. Physical Review B, 2005, 71, .	1.1	11
173	Enhanced scattering and absorption due to the presence of a particle close to an interface. Optics Express, 2012, 20, A530.	1.7	11
174	Propagation of light through small clouds of cold interacting atoms. Physical Review A, 2016, 94, .	1.0	11
175	Plasmonic interferences of two-particle N00N states. New Journal of Physics, 2018, 20, 053050.	1.2	11
176	Revisiting the Role of Metallic Antennas to Control Light Emission by Lead Salt Nanocrystal Assemblies. Physical Review Applied, 2018, 10, .	1.5	11
177	Dispersion-based intertwined SEIRA and SPR effect detection of 2,4-dinitrotoluene using a plasmonic metasurface. Optics Express, 2020, 28, 39595.	1.7	11
178	Scattering of a diffusive wave by a subsurface object. Journal of Applied Physics, 2000, 87, 7638-7646.	1.1	10
179	Microlitre hot strip devices for thermal characterization of nanofluids. Microelectronic Engineering, 2007, 84, 1194-1197.	1.1	10
180	Statistical properties of spontaneous emission from atoms near a rough surface. Physical Review A, 2011, 84, .	1.0	10

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181	Revisiting thermal radiation in the near field. Comptes Rendus Physique, 2017, 18, 24-30.	0.3	10
182	Remote preparation of single-plasmon states. Physical Review B, 2017, 96, .	1.1	10
183	Thermo-resistance based micro-calorimeter for continuous chemical enthalpy measurements. Microelectronic Engineering, 2008, 85, 1367-1369.	1.1	9
184	Scattering by 2D particles deposited on a dielectric planar waveguide: a near-field and far-field study. Waves in Random and Complex Media, 1995, 5, 145-155.	1.5	8
185	Time-frequency encoded single-photon generation and broadband single-photon storage with a tunable subradiant state. Optica, 2021, 8, 95.	4.8	8
186	Comment on â€œRadiative transfer over small distances from a heated metalâ€• Optics Letters, 2001, 26, 480.	1.7	7
187	Light scattering from cold rolled aluminum surfaces. Optics Communications, 2001, 187, 289-294.	1.0	7
188	Coherent Spontaneous Emission of Light Due to Surface Waves. , 2003, , 163-182.		7
189	Enhanced radiative heat transfer between nanostructured gold plates. Journal of Physics: Conference Series, 2012, 395, 012154.	0.3	7
190	Integral Equation Modeling of Doubly Periodic Structures With an Efficient PMCHWT Formulation. IEEE Transactions on Antennas and Propagation, 2012, 60, 292-300.	3.1	7
191	A numerical evaluation of Rayleigh's theory applied to scattering by randomly rough dielectric surfaces. Waves in Random and Complex Media, 1998, 8, 79-101.	1.5	6
192	Introduction to Surface Plasmon Theory. Springer Series in Optical Sciences, 2012, , 105-148.	0.5	6
193	Revealing the spectral response of a plasmonic lens using low-energy electrons. Physical Review B, 2017, 96, .	1.1	6
194	General relation between spatial coherence and absorption. Optics Express, 2021, 29, 425.	1.7	6
195	Electrons and phonons. Journal of Physics and Chemistry of Solids, 1960, 15, 359-360.	1.9	5
196	Contrast mechanisms in illumination-mode SNOM. Ultramicroscopy, 1998, 71, 39-48.	0.8	5
197	Polarization conversion with a photonic crystal slab. Journal of the European Optical Society-Rapid Publications, 0, 3, .	0.9	5
198	Influence of a depletion layer on localized surface waves in doped semiconductor nanostructures. Applied Physics Letters, 2012, 100, 091103.	1.5	5

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199	Enhancing Light Absorption in a Nanovolume with a Nanoantenna: Theory and Figure of Merit. ACS Photonics, 2020, 7, 1523-1528.	3.2	5
200	Spatial coherence of light emitted by thermalized ensembles of emitters coupled to surface waves. Physical Review Research, 2021, 3, .	1.3	5
201	Laws of Macroscopic Heat Transferand Their Limits. , 0, , 1-13.		5
202	Quasi-confined ENZ mode in an anisotropic uniaxial thin slab. Optics Express, 2019, 27, 12317.	1.7	5
203	Efficiency optimization of mid-infrared incandescent sources with time-varying temperature. Optical Materials Express, 2022, 12, 225.	1.6	5
204	Toward high efficiency ultra-thin CIGSe based solar cells using light management techniques. , 2012, , .		4
205	Influence of emissivity tailoring on radiative membranes thermal behavior for gas sensing applications. Sensors and Actuators B: Chemical, 2015, 213, 53-58.	4.0	4
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