Jean-Jacques Greffet

List of Publications by Citations

224 papers	14,148 citations	58 h-index	114 g-index
262 ext. papers	15,987 ext. citations	5.1 avg, IF	6.44 L-index

#	Paper	IF	Citations
224	Resonant optical antennas. *Science*, **2005**, 308, 1607-9	33.3	1712
223	Coherent emission of light by thermal sources. *Nature*, **2002**, 416, 61-4	50.4	915
222	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	12.9	613
221	Radiative heat transfer at the nanoscale. *Nature Photonics*, **2009**, 3, 514-517	33.9	463
220	Thermal radiation scanning tunnelling microscopy. *Nature*, **2006**, 444, 740-3	50.4	360
219	Radiative and non-radiative decay of a single molecule close to a metallic nanoparticle. *Optics Communications*, **2006**, 261, 368-375	2	307
218	Image formation in near-field optics. *Progress in Surface Science*, **1997**, 56, 133-237	6.6	280
217	Near-field thermophotovoltaic energy conversion. *Journal of Applied Physics*, **2006**, 100, 063704	2.5	276
216	Definition and measurement of the local density of electromagnetic states close to an interface. *Physical Review B*, **2003**, 68,	3.3	262
215	ENHANCED RADIATIVE HEAT TRANSFER AT NANOMETRIC DISTANCES. *Microscale Thermophysical Engineering*, **2002**, 6, 209-222		253
214	Near-field spectral effects due to electromagnetic surface excitations. *Physical Review Letters*, **2000**, 85, 1548-51	7.4	249
213	Near-Field Effects in Spatial Coherence of Thermal Sources. *Physical Review Letters*, **1999**, 82, 1660-1663	7.4	238
212	Nanoscale radiative heat transfer between a small particle and a plane surface. *Applied Physics Letters*, **2001**, 78, 2931-2933	3.4	187
211	Single-molecule spontaneous emission close to absorbing nanostructures. *Applied Physics Letters*, **2004**, 85, 3863-3865	3.4	181
210	Optical patch antennas for single photon emission using surface plasmon resonances. *Physical Review Letters*, **2010**, 104, 026802	7.4	179
209	Controlling spontaneous emission with plasmonic optical patch antennas. *Nano Letters*, **2013**, 13, 1516-21	11.5	177
208	Heat transfer between two nanoparticles through near field interaction. *Physical Review Letters*, **2005**, 94, 085901	7.4	176

207	Confined Tamm plasmon lasers. *Nano Letters*, **2013**, 13, 3179-84	11.5	163
206	Applied physics. Nanoantennas for light emission. *Science*, **2005**, 308, 1561-3	33.3	160
205	Berreman mode and epsilon near zero mode. *Optics Express*, **2012**, 20, 23971-7	3.3	157
204	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	3.3	151
203	Nanoscale heat flux between nanoporous materials. *Optics Express*, **2011**, 19 Suppl 5, A1088-103	3.3	145
202	Non-blinking quantum dot with a plasmonic nanoshell resonator. *Nature Nanotechnology*, **2015**, 10, 170-5	38.7	142
201	Field theory for generalized bidirectional reflectivity: derivation of Helmholtz reciprocity principle and Kirchhoff law. *Journal of the Optical Society of America A: Optics and Image Science, and Vision*, **1998**, 15, 2735	1.8	140
200	Epsilon-near-zero strong coupling in metamaterial-semiconductor hybrid structures. *Nano Letters*, **2013**, 13, 5391-6	11.5	139
199	Mesoscopic description of radiative heat transfer at the nanoscale. *Physical Review Letters*, **2010**, 105, 234301	7.4	136
198	Effects of spatial dispersion in near-field radiative heat transfer between two parallel metallic surfaces. *Physical Review B*, **2008**, 77,	3.3	134
197	Coherent spontaneous emission of light by thermal sources. *Physical Review B*, **2004**, 69,	3.3	121
196	Quantum thermal bath for molecular dynamics simulation. *Physical Review Letters*, **2009**, 103, 190601	7.4	116
195	Plasmonic Metasurface for Directional and Frequency-Selective Thermal Emission. *Physical Review Applied*, **2015**, 4,	4.3	114
194	Surface plasmon Fourier optics. *Physical Review B*, **2009**, 79,	3.3	111
193	Highly directional radiation generated by a tungsten thermal source. *Optics Letters*, **2005**, 30, 2623-5	3	110
192	Epsilon-near-zero mode for active optoelectronic devices. *Physical Review Letters*, **2012**, 109, 237401	7.4	109
191	Impedance of a nanoantenna and a single quantum emitter. *Physical Review Letters*, **2010**, 105, 117701	7.4	105
190	Quantum theory of spontaneous and stimulated emission of surface plasmons. *Physical Review B*, **2010**, 82,	3.3	101

189	Blackbody spectrum revisited in the near field. *Physical Review Letters*, **2013**, 110, 146103	7.4	94
188	Spatial coherence of thermal near fields. *Optics Communications*, **2000**, 186, 57-67	2	94
187	Stimulated emission depletion microscopy resolves individual nitrogen vacancy centers in diamond nanocrystals. *ACS Nano*, **2013**, 7, 10912-9	16.7	90
186	Radiation forces on small particles in thermal near fields. *Journal of Optics*, **2002**, 4, S109-S114		88
185	Two-dimensional numerical simulation of the photon scanning tunneling microscope. Concept of transfer function. *Optics Communications*, **1995**, 116, 316-321	2	83
184	Resonant transmission through a metallic film due to coupled modes. *Optics Express*, **2005**, 13, 70-6	3.3	82
183	Coherent Scattering of Near-Resonant Light by a Dense Microscopic Cold Atomic Cloud. *Physical Review Letters*, **2016**, 116, 233601	7.4	80
182	Coherent thermal antenna using a photonic crystal slab. *Physical Review Letters*, **2006**, 96, 123903	7.4	80
181	Reciprocity of evanescent electromagnetic waves. *Journal of the Optical Society of America A: Optics and Image Science, and Vision*, **1998**, 15, 706	1.8	78
180	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	1.8	77
179	Fast nanoscale heat-flux modulation with phase-change materials. *Physical Review B*, **2011**, 83,	3.3	75
178	Enhanced radiative heat transfer between nanostructured gold plates. *Physical Review B*, **2012**, 85,	3.3	73
177	Radiative heat transfer between metallic nanoparticles. *Applied Physics Letters*, **2008**, 92, 201906	3.4	70
176	Influence of microroughness on emissivity. *Journal of Applied Physics*, **2004**, 96, 2656-2664	2.5	70
175	Roadmap on optical energy conversion. *Journal of Optics (United Kingdom)*, **2016**, 18, 073004	1.7	69
174	Radiative heat transfer between two dielectric nanogratings in the scattering approach. *Physical Review B*, **2012**, 86,	3.3	68
173	Reciprocity, unitarity, and time-reversal symmetry of the S matrix of fields containing evanescent components. *Physical Review A*, **2000**, 62,	2.6	68
172	Engineering infrared emission properties of silicon in the near field and the far field. *Optics Communications*, **2004**, 237, 379-388	2	67

171	Revisiting Quantum Optics with Surface Plasmons and Plasmonic Resonators. *ACS Photonics*, **2017**, 4, 2091-2101	6.3	66
170	Scattering of a surface plasmon polariton by a surface defect. *Physical Review B*, **1994**, 50, 15261-15275	3.3	61
169	Surface profile reconstruction using near-field data. *Optics Communications*, **1995**, 116, 20-24	2	60
168	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	1.8	59
167	Coherent thermal infrared emission by two-dimensional silicon carbide gratings. *Physical Review B*, **2012**, 86,	3.3	58
166	Friction forces arising from fluctuating thermal fields. *Physical Review A*, **2004**, 69,	2.6	58
165	Scattering of electromagnetic waves by rough dielectric surfaces. *Physical Review B*, **1988**, 37, 6436-6441	3.3	56
164	Theory of electromagnetic field imaging and spectroscopy in scanning near-field optical microscopy. *Journal of Applied Physics*, **2000**, 88, 4845	2.5	55
163	Theory of electrostatic probe microscopy: A simple perturbative approach. *Applied Physics Letters*, **2000**, 76, 2955-2957	3.4	55
162	Optical content and resolution of near-field optical images: Influence of the operating mode. *Journal of Applied Physics*, **1997**, 82, 501-509	2.5	53
161	The diffusion of partially coherent beams in turbulent media. *Optics Communications*, **2002**, 208, 1-8	2	53
160	Influence of metallic nanoparticles on upconversion processes. *Journal of Applied Physics*, **2009**, 105, 033107	2.5	52
159	Time-dependent transport through scattering media: from radiative transfer to diffusion. *Journal of Optics*, **2002**, 4, S103-S108		52
158	Nanoantenna for Electrical Generation of Surface Plasmon Polaritons. *Physical Review Letters*, **2016**, 116, 106803	7.4	51
157	Huygens-Fresnel principle for surface plasmons. *Optics Express*, **2009**, 17, 17483-90	3.3	51
156	Near-field induction heating of metallic nanoparticles due to infrared magnetic dipole contribution. *Physical Review B*, **2008**, 77,	3.3	51
155	Influence of tip modulation on image formation in scanning near-field optical microscopy. *Journal of Applied Physics*, **2001**, 89, 5159-5169	2.5	51
154	Coupled surface polaritons and the Casimir force. *Physical Review A*, **2004**, 69,	2.6	50

153	Tip-shape effects on electrostatic force microscopy resolution. *Nanotechnology*, **2001**, 12, 496-499	3.4	50
152	Anti-coalescence of bosons on a lossy beam splitter. *Science*, **2017**, 356, 1373-1376	33.3	46
151	Tuning the electromagnetic local density of states in graphene-covered systems via strong coupling with graphene plasmons. *Physical Review B*, **2013**, 87,	3.3	46
150	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, 1430-7	1.8	46
149	Experimental evidence of nanometer-scale confinement of plasmonic eigenmodes responsible for hot spots in random metallic films. *Physical Review B*, **2013**, 88,	3.3	44
148	Polarization-Controlled Confined Tamm Plasmon Lasers. *ACS Photonics*, **2015**, 2, 842-848	6.3	44
147	Degree of polarization of thermal light emitted by gratings supporting surface waves. *Optics Express*, **2008**, 16, 5305-13	3.3	43
146	Fast microfluidic temperature control for high resolution live cell imaging. *Lab on A Chip*, **2011**, 11, 484-9	7.2	42
145	Heat transfer between a nano-tip and a surface. *Nanotechnology*, **2006**, 17, 2978-2981	3.4	42
144	Theoretical model of the shift of the Brewster angle on a rough surface. *Optics Letters*, **1992**, 17, 238-40	3	41
143	Near-field optical spectroscopy using an incoherent light source. *Applied Physics Letters*, **2000**, 76, 397-399	3.4	40
142	Brewster "mode" in highly doped semiconductor layers: an all-optical technique to monitor doping concentration. *Optics Express*, **2014**, 22, 24294-303	3.3	38
141	Scattering of s-polarized electromagnetic waves by a 2d obstacle near an interface. *Optics Communications*, **1989**, 72, 274-278	2	38
140	Design of highly efficient metallo-dielectric patch antennas for single-photon emission. *Optics Express*, **2014**, 22, 2337-47	3.3	36
139	Electrical modulation of emissivity. *Applied Physics Letters*, **2013**, 102, 081125	3.4	36
138	Photon diffusion coefficient in scattering and absorbing media. *Journal of the Optical Society of America A: Optics and Image Science, and Vision*, **2006**, 23, 1106-10	1.8	36
137	Ultrathin Cu(In,Ga)Se2 based solar cells. *Thin Solid Films*, **2017**, 633, 55-60	2.2	35
136	Optical approaches to improve the photocurrent generation in Cu(In,Ga)Se2 solar cells with absorber thicknesses down to 0.5 μm. *Journal of Applied Physics*, **2012**, 112, 094902	2.5	35

135	Experimental study of hot spots in gold/glass nanocomposite films by photoemission electron microscopy. *Physical Review B*, **2012**, 85,	3.3	34
134	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	1.7	34
133	Light Emission by Nonequilibrium Bodies: Local Kirchhoff Law. *Physical Review X*, **2018**, 8,	9.1	33
132	Polaritonic modes in a dense cloud of cold atoms. *Physical Review A*, **2016**, 93,	2.6	32
131	Hyperbolic metamaterials and surface plasmon polaritons. *Optica*, **2017**, 4, 1409	8.6	32
130	Noncontact surface temperature measurement by means of a modulated photothermal effect. *Applied Optics*, **1990**, 29, 979-87	1.7	31
129	On the equivalence between the illumination and collection modes of the scanning near-field optical microscope. *Optics Communications*, **1997**, 142, 7-13	2	30
128	Anisotropic Polarized Emission of a Doped Silicon Lamellar Grating. *Journal of Heat Transfer*, **2007**, 129, 11-16	1.8	29
127	Tailoring silicon radiative properties. *Optics Communications*, **2005**, 250, 316-320	2	29
126	Single-plasmon interferences. *Science Advances*, **2016**, 2, e1501574	14.3	29
125	Generation and Spatial Control of Hybrid Tamm Plasmon/Surface Plasmon Modes. *ACS Photonics*, **2016**, 3, 1776-1781	6.3	28
124	Influence of roughness on near-field heat transfer between two plates. *Physical Review B*, **2010**, 82,	3.3	28
123	Near-field heat transfer between a nanoparticle and a rough surface. *Physical Review B*, **2010**, 81,	3.3	28
122	Beyond the diffusing-wave spectroscopy model for the temporal fluctuations of scattered light. *Physical Review Letters*, **2004**, 92, 213903	7.4	28
121	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	1.8	28
120	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	1.8	27
119	Nonspecular astigmatic reflection of a 3D gaussian beam on an interface. *Optics Communications*, **1992**, 93, 271-276	2	27
118	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, 2953-62	1.8	26

117	CMOS compatible metal-insulator-metal plasmonic perfect absorbers. *Optical Materials Express*, **2016**, 6, 2389	2.6	26
116	Radiative heat transfer at nanoscale mediated by surface plasmons for highly doped silicon. *Applied Physics Letters*, **2009**, 95, 231913	3.4	25
115	Light scattering by a two-dimensional, rough penetrable medium: A mean-field theory. *Radio Science*, **1999**, 34, 311-335	1.4	25
114	Diffraction of electromagnetic waves by crossed gratings: a series solution. *Optics Letters*, **1992**, 17, 1740-2	3	25
113	Effect of vortices on the spin-flip lifetime of atoms in superconducting atom-chips. *Europhysics Letters*, **2009**, 87, 13002	1.6	24
112	Superlens in the time domain. *Physical Review Letters*, **2012**, 109, 097405	7.4	24
111	Study of the features of PSTM images by means of a perturbative approach. *Ultramicroscopy*, **1995**, 57, 246-250	3.1	24
110	Enhancing thermal radiation with nanoantennas to create infrared sources with high modulation rates. *Optica*, **2018**, 5, 175	8.6	23
109	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, 374-84	1.8	23
108	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	1.8	23
107	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	1.8	23
106	Antenna surface plasmon emission by inelastic tunneling. *Nature Communications*, **2019**, 10, 4949	17.4	22
105	Dielectric gratings for wide-angle, broadband absorption by thin film photovoltaic cells. *Applied Physics Letters*, **2010**, 97, 221111	3.4	22
104	Optical contrast, topographic contrast and artifacts in illumination-mode scanning near-field optical microscopy. *Journal of Applied Physics*, **1999**, 86, 648-656	2.5	22
103	Scattering by deep inhomogeneous gratings. *Journal of the Optical Society of America A: Optics and Image Science, and Vision*, **1992**, 9, 996	1.8	22
102	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	2.1	21
101	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, 678-85	1.8	21
100	Direct reconstruction of surfaces from near-field intensity under spatially incoherent illumination. *Optics Letters*, **1996**, 21, 501-3	3	21

99	High efficiency quasi-monochromatic infrared emitter. *Applied Physics Letters*, **2014**, 104, 081101	3.4	20
98	Midinfrared Ultrastrong Light-Matter Coupling for THz Thermal Emission. *ACS Photonics*, **2017**, 4, 2550-2555	6.5	20
97	Tailoring GaAs terahertz radiative properties with surface phonons polaritons. *Applied Physics Letters*, **2010**, 97, 161101	3.4	20
96	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, 2943-52	1.8	20
95	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, 2315-20	1.8	20
94	Application of the pulsed photothermal effect to fast surface temperature measurements. *Applied Optics*, **1992**, 31, 5350-8	1.7	20
93	Asymptotic expressions describing radiative heat transfer between polar materials from the far-field regime to the nanoscale regime. *Journal of Applied Physics*, **2012**, 111, 014311	2.5	19
92	Reconstruction of the dielectric contrast profile from near-field data. *Ultramicroscopy*, **1995**, 61, 11-16	3.1	19
91	Mo/Cu(In, Ga)Se2 back interface chemical and optical properties for ultrathin CIGSe solar cells. *Applied Surface Science*, **2012**, 258, 3058-3061	6.7	18
90	Enhanced absorption by nanostructured silicon. *Applied Physics Letters*, **2008**, 93, 193103	3.4	18
89	Coherent thermal radiation. *Contemporary Physics*, **2007**, 48, 183-194	3.3	18
88	Radiative properties of scattering and absorbing dense media: theory and experimental study. *Journal of Quantitative Spectroscopy and Radiative Transfer*, **2003**, 77, 193-210	2.1	18
87	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, 3072-6	1.8	18
86	Relationship between the near-field speckle pattern and the statistical properties of a surface. *Ultramicroscopy*, **1995**, 61, 43-50	3.1	17
85	Design of surface microrelief with selective radiative properties. *International Journal of Heat and Mass Transfer*, **1994**, 37, 553-558	4.9	17
84	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		17
83	Nonspecular reflection from a lossy dielectric. *Optics Letters*, **1993**, 18, 1129	3	17
82	Surface Plasmon Polaritons Emission with Nanopatch Antennas: Enhancement by Means of Mode Hybridization. *ACS Photonics*, **2019**, 6, 2788-2796	6.3	16

81	Optical Transmission of an Atomic Vapor in the Mesoscopic Regime. *Physical Review Letters*, **2019**, 122, 113401	7.4	16
80	A hybrid plasmonic semiconductor laser. *Applied Physics Letters*, **2013**, 102, 101106	3.4	16
79	Size-dependent infrared properties of MgO nanoparticles with evidence of screening effect. *Applied Physics Letters*, **2012**, 100, 241904	3.4	16
78	Radiative heat transfer from a black body to dielectric nanoparticles. *Physical Review B*, **2011**, 84,	3.3	16
77	Theory of near-field magneto-optical imaging. *Journal of the Optical Society of America A: Optics and Image Science, and Vision*, **2002**, 19, 572-83	1.8	16
76	Resonant infrared transmission through SiC films. *Optics Letters*, **2004**, 29, 2178-80	3	15
75	Equivalence of constant-height and constant-intensity images in scanning near-field optical microscopy. *Optics Letters*, **1996**, 21, 1208-10	3	15
74	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	1.8	15
73	Dammak et al. Reply:. *Physical Review Letters*, **2011**, 107,	7.4	14
72	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	1.8	14
71	Light Trapping in Ultrathin CIGS Solar Cell With Absorber Thickness of 0.1 mum. *IEEE Journal of Photovoltaics*, **2018**, 8, 621-625	3.7	13
70	Graphene optical-to-thermal converter. *Applied Physics Letters*, **2014**, 105, 211102	3.4	13
69	Hot Carrier Solar Cells: Controlling Thermalization in Ultrathin Devices. *IEEE Journal of Photovoltaics*, **2012**, 2, 506-511	3.7	13
68	Spatial coherence in strongly scattering media. *Journal of the Optical Society of America A: Optics and Image Science, and Vision*, **2005**, 22, 2329-37	1.8	13
67	Scattering by randomly rough dielectric surfaces and rough dielectric films: influence of the height distribution. *Journal of Optics*, **1999**, 1, 560-565		13
66	Structure of the electromagnetic field in a slab of photonic crystal. *Journal of the Optical Society of America B: Optical Physics*, **1997**, 14, 339	1.7	12
65	Improving selective thermal emission properties of three-dimensional macroporous silicon through porosity tuning. *Applied Physics Letters*, **2008**, 93, 081913	3.4	12
64	Temperature dependence of quantum dot fluorescence assisted by plasmonic nanoantennas. *Physical Review B*, **2015**, 91,	3.3	11

63	Using radiative transfer equation to model absorption by thin Cu(In,Ga)Se2 solar cells with Lambertian back reflector. *Optics Express*, **2013**, 21, 2563-80	3.3	11
62	Propagation of light through small clouds of cold interacting atoms. *Physical Review A*, **2016**, 94,	2.6	10
61	Remote preparation of single-plasmon states. *Physical Review B*, **2017**, 96,	3.3	10
60	Scattering of a diffusive wave by a subsurface object. *Journal of Applied Physics*, **2000**, 87, 7638-7646	2.5	10
59	Near-Resonant Light Scattering by a Subwavelength Ensemble of Identical Atoms. *Physical Review Letters*, **2020**, 124, 073403	7.4	9
58	Statistical properties of spontaneous emission from atoms near a rough surface. *Physical Review A*, **2011**, 84,	2.6	9
57	Enhanced scattering and absorption due to the presence of a particle close to an interface. *Optics Express*, **2012**, 20 Suppl 4, A530-44	3.3	9
56	Light Emission by a Thermalized Ensemble of Emitters Coupled to a Resonant Structure. *Advanced Optical Materials*, **2019**, 7, 1801697	8.1	8
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53	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		8
52	An incandescent metasurface for quasimonochromatic polarized mid-wave infrared emission modulated beyond 10 MHz. *Nature Communications*, **2021**, 12, 1492	17.4	8
51	Revisiting thermal radiation in the near field. *Comptes Rendus Physique*, **2017**, 18, 24-30	1.4	7
50	Strong Coupling of Nanoplatelets and Surface Plasmons on a Gold Surface. *ACS Photonics*, **2019**, 6, 2643-2648	6.9	7
49	Microlitre hot strip devices for thermal characterization of nanofluids. *Microelectronic Engineering*, **2007**, 84, 1194-1197	2.5	7
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46	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	1.8	7

45	Plasmonic interferences of two-particle N00N states. *New Journal of Physics*, **2018**, 20, 053050	2.9	6
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43	Enhanced radiative heat transfer between nanostructured gold plates. *Journal of Physics: Conference Series*, **2012**, 395, 012154	0.3	5
42	Influence of a depletion layer on localized surface waves in doped semiconductor nanostructures. *Applied Physics Letters*, **2012**, 100, 091103	3.4	5
41	Contrast mechanisms in illumination-mode SNOM. *Ultramicroscopy*, **1998**, 71, 39-48	3.1	5
40	Resonant optical transmission through a photonic crystal in the forbidden gap. *Physical Review B*, **2005**, 71,	3.3	5
39	Light scattering from cold rolled aluminum surfaces. *Optics Communications*, **2001**, 187, 289-294	2	5
38	Quasi-confined ENZ mode in an anisotropic uniaxial thin slab. *Optics Express*, **2019**, 27, 12317-12335	3.3	5
37	Revealing the spectral response of a plasmonic lens using low-energy electrons. *Physical Review B*, **2017**, 96,	3.3	4
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35	Polarization conversion with a photonic crystal slab. *Journal of the European Optical Society-Rapid Publications*, **2008**, 3,	2.5	4
34	Coherent Spontaneous Emission of Light Due to Surface Waves **2003**, 163-182		4
33	Electrons and phonons. *Journal of Physics and Chemistry of Solids*, **1960**, 15, 359-360	3.9	4
32	Laws of Macroscopic Heat Transferand Their Limits1-13		4
31	Influence of emissivity tailoring on radiative membranes thermal behavior for gas sensing applications. *Sensors and Actuators B: Chemical*, **2015**, 213, 53-58	8.5	3
30	Metallic metasurface as a directional and monochromatic thermal emitter **2015**,		3
29	Tunable bandwidth and nonlinearities in an atom-photon interface with subradiant states. *Physical Review A*, **2018**, 98,	2.6	3
28	Toward high efficiency ultra-thin CIGSe based solar cells using light management techniques **2012**,		3

27	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		3
26	Backscattering enhancement by subsurface particles. *Optics Communications*, **1995**, 114, 13-17	2	3
25	Numerical simulation of the mean field in a composite medium. *Physica A: Statistical Mechanics and Its Applications*, **1994**, 207, 146-150	3.3	3
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