

Francisco Garcia-Vidal

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

277
papers

27,395
citations

79
h-index

161
g-index

301
ext. papers

31,457
ext. citations

7.5
avg, IF

7.31
L-index

#	Paper	IF	Citations
277	Plexcitonic Quantum Light Emission from Nanoparticle-on-Mirror Cavities.. <i>Nano Letters</i> , 2022 ,	11.5	2
276	Not dark yet for strong light-matter coupling to accelerate singlet fission dynamics. <i>Cell Reports Physical Science</i> , 2022 , 100841	6.1	3
275	Theoretical Challenges in Polaritonic Chemistry.. <i>ACS Photonics</i> , 2022 , 9, 1096-1107	6.3	10
274	Ultrastrong Exciton-Photon Coupling in Broadband Solar Absorbers. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 10706-10712	6.4	3
273	Selective isomer emission via funneling of exciton polaritons. <i>Science Advances</i> , 2021 , 7, eabj0997	14.3	6
272	Few-Mode Field Quantization of Arbitrary Electromagnetic Spectral Densities. <i>Physical Review Letters</i> , 2021 , 126, 093601	7.4	12
271	Light-Harvesting Properties of a Subphthalocyanine Solar Absorber Coupled to an Optical Cavity. <i>Solar Rrl</i> , 2021 , 5, 2100308	7.1	5
270	CHAPTER 10:Cavity-modified Chemistry: Towards Vacuum-field Catalysis. <i>RSC Theoretical and Computational Chemistry Series</i> , 2021 , 343-393	1.2	5
269	Manipulating matter by strong coupling to vacuum fields. <i>Science</i> , 2021 , 373,	33.3	68
268	Theory of Energy Transfer in Organic Nanocrystals. <i>Advanced Optical Materials</i> , 2020 , 8, 2001447	8.1	2
267	Reconfigurable Photon Sources Based on Quantum Plexcitonic Systems. <i>Nano Letters</i> , 2020 , 20, 4645-4652	5.5	7
266	Artificial Metaphotonics Born Naturally in Two Dimensions. <i>Chemical Reviews</i> , 2020 , 120, 6197-6246	68.1	42
265	Polaritonic molecular clock for all-optical ultrafast imaging of wavepacket dynamics without probe pulses. <i>Nature Communications</i> , 2020 , 11, 1423	17.4	12
264	A plasmonic route for the integrated wireless communication of subdiffraction-limited signals. <i>Light: Science and Applications</i> , 2020 , 9, 113	16.7	36
263	Unveiling the radiative local density of optical states of a plasmonic nanocavity by STM. <i>Nature Communications</i> , 2020 , 11, 1021	17.4	15
262	Macroscopic QED for quantum nanophotonics: emitter-centered modes as a minimal basis for multiemitter problems. <i>Nanophotonics</i> , 2020 , 10, 477-489	6.3	17
261	Strong Plasmon-Exciton Interactions on Nanoantenna Array-Monolayer WS ₂ Hybrid System. <i>Advanced Optical Materials</i> , 2020 , 8, 1901002	8.1	11

260	Impact of Vibrational Modes in the Plasmonic Purcell Effect of Organic Molecules. <i>ACS Photonics</i> , 2020 , 7, 3369-3375	6.3	10
259	Fluorescence Emission Triggered by Radioactive decay in Optimized Hyperbolic Cavities. <i>Physical Review Applied</i> , 2020 , 14,	4.3	1
258	Cavity Casimir-Polder Forces and Their Effects in Ground-State Chemical Reactivity. <i>Physical Review X</i> , 2019 , 9,	9.1	71
257	Plasmonic Nanocavities Enable Self-Induced Electrostatic Catalysis. <i>Angewandte Chemie</i> , 2019 , 131, 8790-8794	16.4	26
256	Strong coupling between weakly guided semiconductor nanowire modes and an organic dye. <i>Physical Review B</i> , 2019 , 99,	3.3	5
255	Mimicking Localized Surface Plasmons with Structural Dispersion. <i>Advanced Optical Materials</i> , 2019 , 7, 1900118	8.1	15
254	Plasmonic Nanocavities Enable Self-Induced Electrostatic Catalysis. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 8698-8702	16.4	26
253	Coherent steering of nonlinear chiral valley photons with a synthetic AuWS ₂ metasurface. <i>Nature Photonics</i> , 2019 , 13, 467-472	33.9	135
252	Cavity-Modified Exciton Dynamics in Photosynthetic Units. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 4252-4258	6.4	7
251	Coupling of Molecular Emitters and Plasmonic Cavities beyond the Point-Dipole Approximation. <i>Nano Letters</i> , 2018 , 18, 2358-2364	11.5	98
250	Super-Planckian far-field radiative heat transfer. <i>Physical Review B</i> , 2018 , 97,	3.3	26
249	Plasmon-Exciton Coupling in Symmetry-Broken Nanocavities. <i>ACS Photonics</i> , 2018 , 5, 177-185	6.3	23
248	Dispersion Anisotropy of Plasmon-Exciton Polaritons in Lattices of Metallic Nanoparticles. <i>ACS Photonics</i> , 2018 , 5, 233-239	6.3	16
247	Polaritonic Chemistry with Organic Molecules. <i>ACS Photonics</i> , 2018 , 5, 205-216	6.3	189
246	Organic polaritons enable local vibrations to drive long-range energy transfer. <i>Physical Review B</i> , 2018 , 97,	3.3	45
245	Exploring the Limits of Super-Planckian Far-Field Radiative Heat Transfer Using 2D Materials. <i>ACS Photonics</i> , 2018 , 5, 3082-3088	6.3	10
244	Photon statistics in collective strong coupling: Nanocavities and microcavities. <i>Physical Review A</i> , 2018 , 98,	2.6	19
243	Spoof Surface Plasmon Metamaterials 2018 ,		7

242	Tensor Network Simulation of Non-Markovian Dynamics in Organic Polaritons. <i>Physical Review Letters</i> , 2018 , 121, 227401	7.4	52
241	Reply to the Comment on Quantum theory of collective strong coupling of molecular vibrations with a microcavity mode[(2015New J. Phys.17 053040). <i>New Journal of Physics</i> , 2018 , 20, 018001	2.9	0
240	Polariton Anomalous Hall Effect in Transition-Metal Dichalcogenides. <i>Physical Review Letters</i> , 2018 , 121, 137402	7.4	8
239	Tensor network simulation of polaron-polaritons in organic microcavities. <i>Physical Review B</i> , 2018 , 98,	3.3	23
238	Radiative Heat Transfer. <i>ACS Photonics</i> , 2018 , 5, 3896-3915	6.3	95
237	Study of radiative heat transfer in Ångström- and nanometre-sized gaps. <i>Nature Communications</i> , 2017 , 8,	17.4	85
236	Unrelenting plasmons. <i>Nature Photonics</i> , 2017 , 11, 8-10	33.9	46
235	Plasmonic Waveguide-Integrated Nanowire Laser. <i>Nano Letters</i> , 2017 , 17, 747-754	11.5	64
234	Many-Molecule Reaction Triggered by a Single Photon in Polaritonic Chemistry. <i>Physical Review Letters</i> , 2017 , 119, 136001	7.4	88
233	Long-distance operator for energy transfer. <i>Science</i> , 2017 , 357, 1357-1358	33.3	21
232	Enhancing Near-Field Radiative Heat Transfer with Si-based Metasurfaces. <i>Physical Review Letters</i> , 2017 , 118, 203901	7.4	73
231	Plasmon-exciton-polariton lasing. <i>Optica</i> , 2017 , 4, 31	8.6	154
230	Enhancing photon correlations through plasmonic strong coupling. <i>Optica</i> , 2017 , 4, 1363	8.6	52
229	Transformation Optics Approach to Plasmon-Exciton Strong Coupling in Nanocavities. <i>Physical Review Letters</i> , 2016 , 117, 107401	7.4	64
228	When polarons meet polaritons: Exciton-vibration interactions in organic molecules strongly coupled to confined light fields. <i>Physical Review B</i> , 2016 , 94,	3.3	47
227	Nonequilibrium plasmon emission drives ultrafast carrier relaxation dynamics in photoexcited graphene. <i>Physical Review B</i> , 2016 , 93,	3.3	20
226	Quantum plasmonics: from jellium models to ab initio calculations. <i>Nanophotonics</i> , 2016 , 5, 409-426	6.3	84
225	Exploiting Vibrational Strong Coupling to Make an Optical Parametric Oscillator Out of a Raman Laser. <i>Physical Review Letters</i> , 2016 , 117, 277401	7.4	14

224	Suppressing photochemical reactions with quantized light fields. <i>Nature Communications</i> , 2016 , 7, 13841	7.4	177
223	Nonreciprocal few-photon routing schemes based on chiral waveguide-emitter couplings. <i>Physical Review A</i> , 2016 , 94,	2.6	45
222	Spatio-temporal Modeling of Lasing Action in Core-Shell Metallic Nanoparticles. <i>ACS Photonics</i> , 2016 , 3, 1952-1960	6.3	13
221	Uncoupled Dark States Can Inherit Polaritonic Properties. <i>Physical Review Letters</i> , 2016 , 117, 156402	7.4	37
220	Enhancement of near-field radiative heat transfer using polar dielectric thin films. <i>Nature Nanotechnology</i> , 2015 , 10, 253-8	28.7	186
219	Extraordinary exciton conductance induced by strong coupling. <i>Physical Review Letters</i> , 2015 , 114, 196402	7.4	206
218	Quantum theory of collective strong coupling of molecular vibrations with a microcavity mode. <i>New Journal of Physics</i> , 2015 , 17, 053040	2.9	104
217	Ultrahigh-capacity non-periodic photon sieves operating in visible light. <i>Nature Communications</i> , 2015 , 6, 7059	17.4	113
216	Anisotropy Effects on the Plasmonic Response of Nanoparticle Dimers. <i>Journal of Physical Chemistry Letters</i> , 2015 , 6, 1891-8	6.4	26
215	Pronounced Photovoltaic Response from Multilayered Transition-Metal Dichalcogenides PN-Junctions. <i>Nano Letters</i> , 2015 , 15, 7532-8	11.5	79
214	Coupling of individual quantum emitters to channel plasmons. <i>Nature Communications</i> , 2015 , 6, 7883	17.4	117
213	A classical treatment of optical tunneling in plasmonic gaps: extending the quantum corrected model to practical situations. <i>Faraday Discussions</i> , 2015 , 178, 151-83	3.6	119
212	Harvesting excitons through plasmonic strong coupling. <i>Physical Review B</i> , 2015 , 92,	3.3	64
211	Chiral route to spontaneous entanglement generation. <i>Physical Review B</i> , 2015 , 92,	3.3	45
210	Ultraefficient Coupling of a Quantum Emitter to the Tunable Guided Plasmons of a Carbon Nanotube. <i>Physical Review Letters</i> , 2015 , 115, 173601	7.4	39
209	Magnetic field control of near-field radiative heat transfer and the realization of highly tunable hyperbolic thermal emitters. <i>Physical Review B</i> , 2015 , 92,	3.3	93
208	Stacking Structures of Few-Layer Graphene Revealed by Phase-Sensitive Infrared Nanoscopy. <i>ACS Nano</i> , 2015 , 9, 6765-73	16.7	23
207	Radiative heat transfer in the extreme near field. <i>Nature</i> , 2015 , 528, 387-91	50.4	242

206	Signatures of Vibrational Strong Coupling in Raman Scattering. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 29132-29137	3.8	52
205	Cavity-Induced Modifications of Molecular Structure in the Strong-Coupling Regime. <i>Physical Review X</i> , 2015 , 5,	9.1	158
204	Theory of lasing action in plasmonic crystals. <i>Physical Review B</i> , 2015 , 91,	3.3	22
203	Reversible dynamics of single quantum emitters near metal-dielectric interfaces. <i>Physical Review B</i> , 2014 , 89,	3.3	54
202	Entanglement Detection in Coupled Particle Plasmons. <i>Physical Review Letters</i> , 2014 , 112,	7.4	15
201	Deep-subwavelength negative-index waveguiding enabled by coupled conformal surface plasmons. <i>Optics Letters</i> , 2014 , 39, 2990-3	3	64
200	Lasing action assisted by long-range surface plasmons. <i>Laser and Photonics Reviews</i> , 2014 , 8, L65-L70	8.3	6
199	Quantum emitters near a metal nanoparticle: strong coupling and quenching. <i>Physical Review Letters</i> , 2014 , 112, 253601	7.4	200
198	Magnetic Localized Surface Plasmons. <i>Physical Review X</i> , 2014 , 4,	9.1	51
197	Quantum Plasmonics. <i>Handbook of Surface Science</i> , 2014 , 4, 349-379		2
196	Generation, manipulation, and detection of two-qubit entanglement in waveguide QED. <i>Physical Review A</i> , 2014 , 89,	2.6	49
195	Magnetic localized surface plasmons 2014 ,		11
194	Ab initio nanoplasmonics: The impact of atomic structure. <i>Physical Review B</i> , 2014 , 90,	3.3	128
193	Theory of strong coupling between quantum emitters and localized surface plasmons. <i>Journal of Optics (United Kingdom)</i> , 2014 , 16, 114018	1.7	55
192	Thermalization and cooling of plasmon-exciton polaritons: towards quantum condensation. <i>Physical Review Letters</i> , 2013 , 111, 166802	7.4	86
191	Theory of absorption-induced transparency. <i>Physical Review B</i> , 2013 , 88,	3.3	18
190	Monolayer graphene photonic metastructures: Giant Faraday rotation and nearly perfect transmission. <i>Physical Review B</i> , 2013 , 88,	3.3	39
189	Conformal surface plasmons propagating on ultrathin and flexible films. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 40-5	11.5	517

188	Graphene supports the propagation of subwavelength optical solitons. <i>Laser and Photonics Reviews</i> , 2013 , 7, L7-L11	8.3	102
187	Theory of strong coupling between quantum emitters and propagating surface plasmons. <i>Physical Review Letters</i> , 2013 , 110, 126801	7.4	123
186	Weak and strong coupling regimes in plasmonic QED. <i>Physical Review B</i> , 2013 , 87,	3.3	110
185	Performance of Nonlocal Optics When Applied to Plasmonic Nanostructures. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 8941-8949	3.8	84
184	Plasmonic lasers: A sense of direction. <i>Nature Nanotechnology</i> , 2013 , 8, 479-80	28.7	4
183	Analytical Expressions for the Electromagnetic Dyadic Green's Function in Graphene and Thin Layers. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2013 , 19, 4600611-4600611	3.8	32
182	Non-Markovian effects in waveguide-mediated entanglement. <i>New Journal of Physics</i> , 2013 , 15, 073015	2.9	55
181	Plasmonic Brownian ratchet. <i>Physical Review B</i> , 2013 , 88,	3.3	10
180	Acoustic rainbow trapping. <i>Scientific Reports</i> , 2013 , 3,	4.9	181
179	Gain-assisted extraordinary optical transmission through periodic arrays of subwavelength apertures. <i>New Journal of Physics</i> , 2012 , 14, 013020	2.9	21
178	Transformation-optics insight into nonlocal effects in separated nanowires. <i>Physical Review B</i> , 2012 , 86,	3.3	42
177	Strong coupling of surface plasmon polaritons in monolayer graphene sheet arrays. <i>Physical Review Letters</i> , 2012 , 109, 073901	7.4	189
176	Transformation plasmonics. <i>Nanophotonics</i> , 2012 , 1, 51-64	6.3	29
175	Exploring qubit-qubit entanglement mediated by one-dimensional plasmonic nanowaveguides. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2012 , 9, 1303-1308		6
174	Superradiance mediated by graphene surface plasmons. <i>Physical Review B</i> , 2012 , 85,	3.3	63
173	Transformation-optics description of nonlocal effects in plasmonic nanostructures. <i>Physical Review Letters</i> , 2012 , 108, 106802	7.4	167
172	Surface plasmon enhanced absorption and suppressed transmission in periodic arrays of graphene ribbons. <i>Physical Review B</i> , 2012 , 85,	3.3	338
171	Localized spoof plasmons arise while texturing closed surfaces. <i>Physical Review Letters</i> , 2012 , 108, 223905	7.4	201

170	Optimal light harvesting structures at optical and infrared frequencies. <i>Optics Express</i> , 2012 , 20, 25441-53	3.3	7
169	Subwavelength chiral surface plasmons that carry tuneable orbital angular momentum. <i>Physical Review B</i> , 2012 , 86,	3.3	21
168	Effect of film thickness and dielectric environment on optical transmission through subwavelength holes. <i>Physical Review B</i> , 2012 , 85,	3.3	31
167	Mechanisms for extraordinary optical transmission through bull's eye structures. <i>Optics Express</i> , 2011 , 19, 10429-42	3.3	59
166	Emergence of Anderson localization in plasmonic waveguides. <i>Optics Letters</i> , 2011 , 36, 4341-3	3	8
165	Waveguided spoof surface plasmons with deep-subwavelength lateral confinement. <i>Optics Letters</i> , 2011 , 36, 4635-7	3	52
164	Controlling terahertz radiation with nanoscale metal barriers embedded in nano slot antennas. <i>ACS Nano</i> , 2011 , 5, 8340-5	16.7	50
163	A holey-structured metamaterial for acoustic deep-subwavelength imaging. <i>Nature Physics</i> , 2011 , 7, 52-56	16.2	428
162	Dissipation-driven generation of two-qubit entanglement mediated by plasmonic waveguides. <i>Physical Review B</i> , 2011 , 84,	3.3	113
161	Fields radiated by a nanoemitter in a graphene sheet. <i>Physical Review B</i> , 2011 , 84,	3.3	163
160	Edge and waveguide terahertz surface plasmon modes in graphene microribbons. <i>Physical Review B</i> , 2011 , 84,	3.3	398
159	Role of surface plasmon polaritons in the optical response of a hole pair. <i>Physical Review B</i> , 2011 , 84,	3.3	6
158	Entanglement of two qubits mediated by one-dimensional plasmonic waveguides. <i>Physical Review Letters</i> , 2011 , 106, 020501	7.4	361
157	Moulding the flow of surface plasmons using conformal and quasiconformal mappings. <i>New Journal of Physics</i> , 2011 , 13, 033011	2.9	20
156	Oblique launching of optical surface waves by a subwavelength slit. <i>Physical Review B</i> , 2011 , 83,	3.3	3
155	Metallic slit arrays filled with third-order nonlinear media: Optical Kerr effect and third-harmonic generation. <i>Physical Review B</i> , 2011 , 83,	3.3	13
154	Bulk and surface electromagnetic response of metallic metamaterials to convection electrons. <i>Applied Physics Letters</i> , 2011 , 99, 071106	3.4	2
153	Anomalous band formation in arrays of terahertz nanoresonators. <i>Physical Review Letters</i> , 2011 , 106, 013902	7.4	25

152	Enhanced acoustical transmission and beaming effect through a single aperture. <i>Physical Review B</i> , 2010 , 81,	3-3	59
151	All-angle blockage of sound by an acoustic double-fishnet metamaterial. <i>Applied Physics Letters</i> , 2010 , 97, 134106	3-4	32
150	Optical transmission of periodic annular apertures in metal film on high-refractive index substrate: The role of the nanopillar shape. <i>Applied Physics Letters</i> , 2010 , 96, 201101	3-4	13
149	Collimation of horizontally polarized shear waves by means of ridge grating supported Love modes. <i>Applied Physics Letters</i> , 2010 , 96, 233505	3-4	3
148	Dual band terahertz waveguiding on a planar metal surface patterned with annular holes. <i>Applied Physics Letters</i> , 2010 , 96, 011101	3-4	35
147	Resonance energy transfer and superradiance mediated by plasmonic nanowaveguides. <i>Nano Letters</i> , 2010 , 10, 3129-34	11.5	165
146	Observation of enhanced transmission for s-polarized light through a subwavelength slit. <i>Optics Express</i> , 2010 , 18, 9722-7	3-3	27
145	Optimization of bull's eye structures for transmission enhancement. <i>Optics Express</i> , 2010 , 18, 11292-9	3-3	73
144	Holes with very acute angles: a new paradigm of extraordinary optical transmission through strongly localized modes. <i>Optics Express</i> , 2010 , 18, 23691-7	3-3	33
143	Geometrically induced modification of surface plasmons in the optical and telecom regimes. <i>Optics Letters</i> , 2010 , 35, 423-5	3	16
142	Optical switching in metal-slit arrays on nonlinear dielectric substrates. <i>Optics Letters</i> , 2010 , 35, 4211-3	3	11
141	Domino plasmons for subwavelength terahertz circuitry. <i>Optics Express</i> , 2010 , 18, 754-64	3-3	204
140	Light passing through subwavelength apertures. <i>Reviews of Modern Physics</i> , 2010 , 82, 729-787	40.5	940
139	Surface electromagnetic field radiated by a subwavelength hole in a metal film. <i>Physical Review Letters</i> , 2010 , 105, 073902	7-4	69
138	Transformation optics for plasmonics. <i>Nano Letters</i> , 2010 , 10, 1985-90	11.5	169
137	Cerenkov radiation in metallic metamaterials. <i>Applied Physics Letters</i> , 2010 , 97, 151107	3-4	34
136	Influence of the dielectric substrate on the field emitted by a subwavelength slit in a metal film. <i>Physica Status Solidi - Rapid Research Letters</i> , 2010 , 4, 250-252	2.5	6
135	Enhanced transmission from a single subwavelength slit aperture surrounded by grooves on a standard detector. <i>Applied Physics Letters</i> , 2009 , 95, 011113	3-4	18

134	Holey metal films make perfect endoscopes. <i>Physical Review B</i> , 2009 , 79,	3.3	23
133	In the diffraction shadow: Norton waves versus surface plasmon polaritons in the optical region. <i>New Journal of Physics</i> , 2009 , 11, 123020	2.9	59
132	Plasmonic candle: towards efficient nanofocusing with channel plasmon polaritons. <i>New Journal of Physics</i> , 2009 , 11, 113043	2.9	13
131	Extraordinary optical transmission through hole arrays in optically thin metal films. <i>Optics Letters</i> , 2009 , 34, 4-6	3	50
130	Terahertz wedge plasmon polaritons. <i>Optics Letters</i> , 2009 , 34, 2063-5	3	92
129	Polarization conversion spectroscopy of hybrid modes. <i>Optics Letters</i> , 2009 , 34, 3911-3	3	6
128	Extraordinary transmission through metal-coated monolayers of microspheres. <i>Optics Express</i> , 2009 , 17, 761-72	3.3	64
127	Efficient unidirectional ridge excitation of surface plasmons. <i>Optics Express</i> , 2009 , 17, 7228-32	3.3	85
126	Bragg reflection of terahertz waves in plasmonic crystals. <i>Optics Express</i> , 2009 , 17, 9212-8	3.3	14
125	Light transmission properties of holey metal films in the metamaterial limit: effective medium theory and subwavelength imaging. <i>New Journal of Physics</i> , 2009 , 11, 123013	2.9	6
124	Enhanced optical transmission, beaming and focusing through a subwavelength slit under excitation of dielectric waveguide modes. <i>Journal of Optics</i> , 2009 , 11, 125702		20
123	Nanofocusing with channel plasmon polaritons. <i>Nano Letters</i> , 2009 , 9, 1278-82	11.5	121
122	Holey metal films: From extraordinary transmission to negative-index behavior. <i>Physical Review B</i> , 2009 , 80,	3.3	23
121	Intercoupling of free-space radiation to s-polarized confined modes via nanocavities. <i>Applied Physics Letters</i> , 2009 , 94, 063119	3.4	10
120	Guiding terahertz waves along subwavelength channels. <i>Physical Review B</i> , 2009 , 79,	3.3	86
119	Highly confined guiding of terahertz surface plasmon polaritons on structured metal surfaces. <i>Nature Photonics</i> , 2008 , 2, 175-179	33.9	447
118	Spoof Surface Plasmon Polariton Modes Propagating Along Periodically Corrugated Wires. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2008 , 14, 1515-1521	3.8	67
117	Efficiency of local surface plasmon polariton excitation on ridges. <i>Physical Review B</i> , 2008 , 78,	3.3	72

116	Coupling efficiency of light to surface plasmon polariton for single subwavelength holes in a gold film. <i>Optics Express</i> , 2008 , 16, 3420-9	3.3	64
115	Efficiency and finite size effects in enhanced transmission through subwavelength apertures. <i>Optics Express</i> , 2008 , 16, 9571-9	3.3	73
114	Optical control over surface-plasmon-polariton-assisted THz transmission through a slit aperture. <i>Physical Review Letters</i> , 2008 , 100, 123901	7.4	105
113	Ab initio study of transport properties in defected carbon nanotubes: an O(N) approach. <i>Journal of Physics Condensed Matter</i> , 2008 , 20, 294214	1.8	21
112	Electromagnetic wave transmission through a small hole in a perfect electric conductor of finite thickness. <i>Physical Review B</i> , 2008 , 78,	3.3	34
111	Theory of negative-refractive-index response of double-fishnet structures. <i>Physical Review Letters</i> , 2008 , 101, 103902	7.4	145
110	Transmission Resonances Through a Fibonacci Array of Subwavelength Slits. <i>Electromagnetics</i> , 2008 , 28, 186-197	0.8	3
109	Efficiency of local surface plasmon polariton excitation on ridges 2008 ,		2
108	Anderson localization regime in carbon nanotubes: size dependent properties. <i>Journal of Physics Condensed Matter</i> , 2008 , 20, 304211	1.8	22
107	Minimal model for optical transmission through holey metal films. <i>Journal of Physics Condensed Matter</i> , 2008 , 20, 304214	1.8	19
106	Modulation of surface plasmon coupling-in by one-dimensional surface corrugation. <i>New Journal of Physics</i> , 2008 , 10, 033035	2.9	29
105	Plasmonic metamaterials based on holey metallic films. <i>Journal of Physics Condensed Matter</i> , 2008 , 20, 304215	1.8	14
104	Theory on the scattering of light and surface plasmon polaritons by arrays of holes and dimples in a metal film. <i>New Journal of Physics</i> , 2008 , 10, 105017	2.9	50
103	Focus on Plasmonics. <i>New Journal of Physics</i> , 2008 , 10, 105001	2.9	7
102	Guiding and focusing of electromagnetic fields with wedge plasmon polaritons. <i>Physical Review Letters</i> , 2008 , 100, 023901	7.4	268
101	Scattering of surface plasmon polaritons by impedance barriers: Dependence on angle of incidence. <i>Physical Review B</i> , 2008 , 77,	3.3	15
100	Resonant transmission and beaming of cold atoms assisted by surface matter waves. <i>Physical Review A</i> , 2008 , 78,	2.6	4
99	Confining and slowing airborne sound with a corrugated metawire. <i>Applied Physics Letters</i> , 2008 , 93, 083502	3.4	32

98	Terahertz surface plasmon polaritons on a helically grooved wire. <i>Applied Physics Letters</i> , 2008 , 93, 1411-1414	4.1	41
97	Electronic transport in carbon nanotubes: Diffusive and localized regimes. <i>Physical Review B</i> , 2008 , 78, 115407	3.3	12
96	Influence of material properties on extraordinary optical transmission through hole arrays. <i>Physical Review B</i> , 2008 , 77, 115407	3.3	139
95	Theory of resonant acoustic transmission through subwavelength apertures. <i>Physical Review Letters</i> , 2008 , 101, 014301	7.4	183
94	Efficient unidirectional nanoslit couplers for surface plasmons. <i>Nature Physics</i> , 2007 , 3, 324-328	16.2	393
93	Collimation of sound assisted by acoustic surface waves. <i>Nature Physics</i> , 2007 , 3, 851-852	16.2	220
92	Normal-incidence scattering of surface plasmon polaritons by one-dimensional nanoindentations: a multimodal description. <i>Applied Physics A: Materials Science and Processing</i> , 2007 , 89, 251-258	2.6	12
91	Surface plasmon polariton scattering by finite-size nanoparticles. <i>Physical Review B</i> , 2007 , 76, 115407	3.3	43
90	Theory of extraordinary transmission of light through quasiperiodic arrays of subwavelength holes. <i>Physical Review Letters</i> , 2007 , 99, 203905	7.4	43
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