

Francisco Garcia-Vidal

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27,395
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h-index

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301
ext. papers

31,457
ext. citations

7.5
avg, IF

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L-index

#	Paper	IF	Citations
277	Mimicking surface plasmons with structured surfaces. <i>Science</i> , 2004 , 305, 847-8	33.3	2073
276	Beaming light from a subwavelength aperture. <i>Science</i> , 2002 , 297, 820-2	33.3	1394
275	Theory of extraordinary optical transmission through subwavelength hole arrays. <i>Physical Review Letters</i> , 2001 , 86, 1114-7	7.4	1299
274	Transmission Resonances on Metallic Gratings with Very Narrow Slits. <i>Physical Review Letters</i> , 1999 , 83, 2845-2848	7.4	1102
273	Light passing through subwavelength apertures. <i>Reviews of Modern Physics</i> , 2010 , 82, 729-787	40.5	940
272	Collective Theory for Surface Enhanced Raman Scattering. <i>Physical Review Letters</i> , 1996 , 77, 1163-1166	7.4	778
271	Surfaces with holes in them: new plasmonic metamaterials. <i>Journal of Optics</i> , 2005 , 7, S97-S101		730
270	Terahertz surface plasmon-polariton propagation and focusing on periodically corrugated metal wires. <i>Physical Review Letters</i> , 2006 , 97, 176805	7.4	546
269	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
268	Highly confined guiding of terahertz surface plasmon polaritons on structured metal surfaces. <i>Nature Photonics</i> , 2008 , 2, 175-179	33.9	447
267	Theory of highly directional emission from a single subwavelength aperture surrounded by surface corrugations. <i>Physical Review Letters</i> , 2003 , 90, 167401	7.4	446
266	A holey-structured metamaterial for acoustic deep-subwavelength imaging. <i>Nature Physics</i> , 2011 , 7, 52-55	56.2	428
265	Edge and waveguide terahertz surface plasmon modes in graphene microribbons. <i>Physical Review B</i> , 2011 , 84,	3.3	398
264	Efficient unidirectional nanoslit couplers for surface plasmons. <i>Nature Physics</i> , 2007 , 3, 324-328	16.2	393
263	Multiple paths to enhance optical transmission through a single subwavelength slit. <i>Physical Review Letters</i> , 2003 , 90, 213901	7.4	387
262	Entanglement of two qubits mediated by one-dimensional plasmonic waveguides. <i>Physical Review Letters</i> , 2011 , 106, 020501	7.4	361
261	Evanesciently coupled resonance in surface plasmon enhanced transmission. <i>Optics Communications</i> , 2001 , 200, 1-7	2	357

260	Tuning the conductance of single-walled carbon nanotubes by ion irradiation in the Anderson localization regime. <i>Nature Materials</i> , 2005 , 4, 534-9	27	342
259	Surface plasmon enhanced absorption and suppressed transmission in periodic arrays of graphene ribbons. <i>Physical Review B</i> , 2012 , 85,	3.3	338
258	Transmission of light through a single rectangular hole. <i>Physical Review Letters</i> , 2005 , 95, 103901	7.4	303
257	Transmission and focusing of light in one-dimensional periodically nanostructured metals. <i>Physical Review B</i> , 2002 , 66,	3.3	289
256	Guiding and focusing of electromagnetic fields with wedge plasmon polaritons. <i>Physical Review Letters</i> , 2008 , 100, 023901	7.4	268
255	Radiative heat transfer in the extreme near field. <i>Nature</i> , 2015 , 528, 387-91	50.4	242
254	Effective Medium Theory of the Optical Properties of Aligned Carbon Nanotubes. <i>Physical Review Letters</i> , 1997 , 78, 4289-4292	7.4	228
253	Collimation of sound assisted by acoustic surface waves. <i>Nature Physics</i> , 2007 , 3, 851-852	16.2	220
252	Extraordinary exciton conductance induced by strong coupling. <i>Physical Review Letters</i> , 2015 , 114, 196402	7.4	206
251	Domino plasmons for subwavelength terahertz circuitry. <i>Optics Express</i> , 2010 , 18, 754-64	3.3	204
250	Localized spoof plasmons arise while texturing closed surfaces. <i>Physical Review Letters</i> , 2012 , 108, 223905	7.4	201
249	Quantum emitters near a metal nanoparticle: strong coupling and quenching. <i>Physical Review Letters</i> , 2014 , 112, 253601	7.4	200
248	Polaritonic Chemistry with Organic Molecules. <i>ACS Photonics</i> , 2018 , 5, 205-216	6.3	189
247	Strong coupling of surface plasmon polaritons in monolayer graphene sheet arrays. <i>Physical Review Letters</i> , 2012 , 109, 073901	7.4	189
246	Enhancement of near-field radiative heat transfer using polar dielectric thin films. <i>Nature Nanotechnology</i> , 2015 , 10, 253-8	28.7	186
245	Theory of resonant acoustic transmission through subwavelength apertures. <i>Physical Review Letters</i> , 2008 , 101, 014301	7.4	183
244	Acoustic rainbow trapping. <i>Scientific Reports</i> , 2013 , 3,	4.9	181
243	Focusing light with a single subwavelength aperture flanked by surface corrugations. <i>Applied Physics Letters</i> , 2003 , 83, 4500-4502	3.4	179

242	Suppressing photochemical reactions with quantized light fields. <i>Nature Communications</i> , 2016 , 7, 13841-7.4	11.7	177
241	Transformation optics for plasmonics. <i>Nano Letters</i> , 2010 , 10, 1985-90	11.5	169
240	Enhanced transmission and beaming of light via photonic crystal surface modes. <i>Physical Review B</i> , 2004 , 69,	3.3	169
239	Transformation-optics description of nonlocal effects in plasmonic nanostructures. <i>Physical Review Letters</i> , 2012 , 108, 106802	7.4	167
238	Resonance energy transfer and superradiance mediated by plasmonic nanowaveguides. <i>Nano Letters</i> , 2010 , 10, 3129-34	11.5	165
237	Fields radiated by a nanoemitter in a graphene sheet. <i>Physical Review B</i> , 2011 , 84,	3.3	163
236	Cavity-Induced Modifications of Molecular Structure in the Strong-Coupling Regime. <i>Physical Review X</i> , 2015 , 5,	9.1	158
235	Surface Shape Resonances in Lamellar Metallic Gratings. <i>Physical Review Letters</i> , 1998 , 81, 665-668	7.4	158
234	Plasmon-exciton-polariton lasing. <i>Optica</i> , 2017 , 4, 31	8.6	154
233	Channel plasmon-polaritons: modal shape, dispersion, and losses. <i>Optics Letters</i> , 2006 , 31, 3447-9	3	146
232	Theory of negative-refractive-index response of double-fishnet structures. <i>Physical Review Letters</i> , 2008 , 101, 103902	7.4	145
231	Influence of material properties on extraordinary optical transmission through hole arrays. <i>Physical Review B</i> , 2008 , 77,	3.3	139
230	Coherent steering of nonlinear chiral valley photons with a synthetic AuWS ₂ metasurface. <i>Nature Photonics</i> , 2019 , 13, 467-472	33.9	135
229	Ab initio nanoplasmonics: The impact of atomic structure. <i>Physical Review B</i> , 2014 , 90,	3.3	128
228	Enhanced millimeter-wave transmission through subwavelength hole arrays. <i>Optics Letters</i> , 2004 , 29, 2500-2	3	126
227	Theory of strong coupling between quantum emitters and propagating surface plasmons. <i>Physical Review Letters</i> , 2013 , 110, 126801	7.4	123
226	Nanofocusing with channel plasmon polaritons. <i>Nano Letters</i> , 2009 , 9, 1278-82	11.5	121
225	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

224	Coupling of individual quantum emitters to channel plasmons. <i>Nature Communications</i> , 2015 , 6, 7883	17.4	117
223	Ultra-high-capacity non-periodic photon sieves operating in visible light. <i>Nature Communications</i> , 2015 , 6, 7059	17.4	113
222	Dissipation-driven generation of two-qubit entanglement mediated by plasmonic waveguides. <i>Physical Review B</i> , 2011 , 84,	3.3	113
221	Weak and strong coupling regimes in plasmonic QED. <i>Physical Review B</i> , 2013 , 87,	3.3	110
220	Transmission of light through a single rectangular hole in a real metal. <i>Physical Review B</i> , 2006 , 74,	3.3	108
219	Optical control over surface-plasmon-polariton-assisted THz transmission through a slit aperture. <i>Physical Review Letters</i> , 2008 , 100, 123901	7.4	105
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	Graphene supports the propagation of subwavelength optical solitons. <i>Laser and Photonics Reviews</i> , 2013 , 7, L7-L11	8.3	102
216	Transmission properties of a single metallic slit: from the subwavelength regime to the geometrical-optics limit. <i>Physical Review E</i> , 2004 , 69, 026601	2.4	102
215	Resonant transmission of light through finite chains of subwavelength holes in a metallic film. <i>Physical Review Letters</i> , 2004 , 93, 227401	7.4	100
214	Coupling of Molecular Emitters and Plasmonic Cavities beyond the Point-Dipole Approximation. <i>Nano Letters</i> , 2018 , 18, 2358-2364	11.5	98
213	Radiative Heat Transfer. <i>ACS Photonics</i> , 2018 , 5, 3896-3915	6.3	95
212	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
211	Terahertz wedge plasmon polaritons. <i>Optics Letters</i> , 2009 , 34, 2063-5	3	92
210	Theory of the scanning tunneling microscope: Xe on Ni and Al. <i>Physical Review B</i> , 1996 , 54, 2225-2235	3.3	92
209	Spectral properties of opal-based photonic crystals having a SiO ₂ matrix. <i>Physical Review B</i> , 1999 , 60, 11422-11426	3.3	89
208	Many-Molecule Reaction Triggered by a Single Photon in Polaritonic Chemistry. <i>Physical Review Letters</i> , 2017 , 119, 136001	7.4	88
207	Thermalization and cooling of plasmon-exciton polaritons: towards quantum condensation. <i>Physical Review Letters</i> , 2013 , 111, 166802	7.4	86

206	Guiding terahertz waves along subwavelength channels. <i>Physical Review B</i> , 2009 , 79,	3.3	86
205	Study of radiative heat transfer in μg - and nanometre-sized gaps. <i>Nature Communications</i> , 2017 , 8,	17.4	85
204	Efficient unidirectional ridge excitation of surface plasmons. <i>Optics Express</i> , 2009 , 17, 7228-32	3.3	85
203	Quantum plasmonics: from jellium models to ab initio calculations. <i>Nanophotonics</i> , 2016 , 5, 409-426	6.3	84
202	Performance of Nonlocal Optics When Applied to Plasmonic Nanostructures. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 8941-8949	3.8	84
201	Extraordinary optical transmission without plasmons: the s-polarization case. <i>Journal of Optics</i> , 2006 , 8, S94-S97		83
200	Optical transmission through circular hole arrays in optically thick metal films. <i>Optics Express</i> , 2004 , 12, 3619-28	3.3	81
199	Pronounced Photovoltaic Response from Multilayered Transition-Metal Dichalcogenides PN-Junctions. <i>Nano Letters</i> , 2015 , 15, 7532-8	11.5	79
198	How light emerges from an illuminated array of subwavelength holes. <i>Nature Physics</i> , 2006 , 2, 120-123	16.2	77
197	Theory of light transmission through an array of rectangular holes. <i>Physical Review B</i> , 2007 , 76,	3.3	74
196	Scattering of surface plasmons by one-dimensional periodic nanoindented surfaces. <i>Physical Review B</i> , 2005 , 72,	3.3	74
195	Enhancing Near-Field Radiative Heat Transfer with Si-based Metasurfaces. <i>Physical Review Letters</i> , 2017 , 118, 203901	7.4	73
194	Optimization of bull's eye structures for transmission enhancement. <i>Optics Express</i> , 2010 , 18, 11292-9	3.3	73
193	Efficiency and finite size effects in enhanced transmission through subwavelength apertures. <i>Optics Express</i> , 2008 , 16, 9571-9	3.3	73
192	Efficiency of local surface plasmon polariton excitation on ridges. <i>Physical Review B</i> , 2008 , 78,	3.3	72
191	Cavity Casimir-Polder Forces and Their Effects in Ground-State Chemical Reactivity. <i>Physical Review X</i> , 2019 , 9,	9.1	71
190	Localized surface plasmons in lamellar metallic gratings. <i>Journal of Lightwave Technology</i> , 1999 , 17, 2191-2195	7.0	
189	Surface electromagnetic field radiated by a subwavelength hole in a metal film. <i>Physical Review Letters</i> , 2010 , 105, 073902	7.4	69

188	Manipulating matter by strong coupling to vacuum fields. <i>Science</i> , 2021 , 373,	33.3	68
187	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
186	Microscopic theory of Josephson mesoscopic constrictions. <i>Physical Review Letters</i> , 1994 , 72, 554-557	7.4	67
185	Optical bistability in subwavelength slit apertures containing nonlinear media. <i>Physical Review B</i> , 2004 , 70,	3.3	66
184	Plasmonic Waveguide-Integrated Nanowire Laser. <i>Nano Letters</i> , 2017 , 17, 747-754	11.5	64
183	Transformation Optics Approach to Plasmon-Exciton Strong Coupling in Nanocavities. <i>Physical Review Letters</i> , 2016 , 117, 107401	7.4	64
182	Deep-subwavelength negative-index waveguiding enabled by coupled conformal surface plasmons. <i>Optics Letters</i> , 2014 , 39, 2990-3	3	64
181	Harvesting excitons through plasmonic strong coupling. <i>Physical Review B</i> , 2015 , 92,	3.3	64
180	Extraordinary transmission through metal-coated monolayers of microspheres. <i>Optics Express</i> , 2009 , 17, 761-72	3.3	64
179	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
178	Enhanced millimeter wave transmission through quasioptical subwavelength perforated plates. <i>IEEE Transactions on Antennas and Propagation</i> , 2005 , 53, 1897-1903	4.9	64
177	Superradiance mediated by graphene surface plasmons. <i>Physical Review B</i> , 2012 , 85,	3.3	63
176	Anderson localization in carbon nanotubes: defect density and temperature effects. <i>Physical Review Letters</i> , 2005 , 95, 266801	7.4	63
175	Thermal noise in superconducting quantum point contacts. <i>Physical Review B</i> , 1996 , 53, R8891-R8894	3.3	62
174	Self-Assembled Triply Periodic Minimal Surfaces as Molds for Photonic Band Gap Materials. <i>Physical Review Letters</i> , 1999 , 83, 73-75	7.4	61
173	Spectroscopy and nonlinear microscopy of Au nanoparticle arrays: Experiment and theory. <i>Physical Review B</i> , 2006 , 73,	3.3	60
172	Mechanisms for extraordinary optical transmission through bull's eye structures. <i>Optics Express</i> , 2011 , 19, 10429-42	3.3	59
171	Enhanced acoustical transmission and beaming effect through a single aperture. <i>Physical Review B</i> , 2010 , 81,	3.3	59

170	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
169	Self-consistent theory of superconducting mesoscopic weak links. <i>Physical Review B</i> , 1995 , 51, 3743-3753	3.3	59
168	Elastic scattering and the lateral resolution of ballistic electron emission microscopy: Focusing effects on the Au/Si interface. <i>Physical Review Letters</i> , 1996 , 76, 807-810	7.4	56
167	Theory of strong coupling between quantum emitters and localized surface plasmons. <i>Journal of Optics (United Kingdom)</i> , 2014 , 16, 114018	1.7	55
166	Non-Markovian effects in waveguide-mediated entanglement. <i>New Journal of Physics</i> , 2013 , 15, 073015	2.9	55
165	Reversible dynamics of single quantum emitters near metal-dielectric interfaces. <i>Physical Review B</i> , 2014 , 89,	3.3	54
164	Detecting electronic states at stacking faults in magnetic thin films by tunneling spectroscopy. <i>Physical Review Letters</i> , 2000 , 85, 4365-8	7.4	54
163	Enhancing photon correlations through plasmonic strong coupling. <i>Optica</i> , 2017 , 4, 1363	8.6	52
162	Signatures of Vibrational Strong Coupling in Raman Scattering. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 29132-29137	3.8	52
161	Waveguided spoof surface plasmons with deep-subwavelength lateral confinement. <i>Optics Letters</i> , 2011 , 36, 4635-7	3	52
160	Local-density approach and quasiparticle levels for generalized Hubbard Hamiltonians. <i>Physical Review B</i> , 2000 , 62, 4309-4331	3.3	52
159	Tensor Network Simulation of Non-Markovian Dynamics in Organic Polaritons. <i>Physical Review Letters</i> , 2018 , 121, 227401	7.4	52
158	Magnetic Localized Surface Plasmons. <i>Physical Review X</i> , 2014 , 4,	9.1	51
157	Controlling terahertz radiation with nanoscale metal barriers embedded in nano slot antennas. <i>ACS Nano</i> , 2011 , 5, 8340-5	16.7	50
156	Extraordinary optical transmission through hole arrays in optically thin metal films. <i>Optics Letters</i> , 2009 , 34, 4-6	3	50
155	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
154	Density-functional approach to LCAO methods. <i>Physical Review B</i> , 1994 , 50, 10537-10547	3.3	50
153	Generation, manipulation, and detection of two-qubit entanglement in waveguide QED. <i>Physical Review A</i> , 2014 , 89,	2.6	49

152	Molecular-orbital theory for chemisorption: The case of H on normal metals. <i>Physical Review B</i> , 1991 , 44, 11412-11431	3.3	48
151	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
150	Unrelenting plasmons. <i>Nature Photonics</i> , 2017 , 11, 8-10	33.9	46
149	Organic polaritons enable local vibrations to drive long-range energy transfer. <i>Physical Review B</i> , 2018 , 97,	3.3	45
148	Chiral route to spontaneous entanglement generation. <i>Physical Review B</i> , 2015 , 92,	3.3	45
147	Theory of plasmon-assisted transmission of entangled photons. <i>Physical Review Letters</i> , 2004 , 92, 236804	7.4	45
146	Nonreciprocal few-photon routing schemes based on chiral waveguide-emitter couplings. <i>Physical Review A</i> , 2016 , 94,	2.6	45
145	Surface plasmon polariton scattering by finite-size nanoparticles. <i>Physical Review B</i> , 2007 , 76,	3.3	43
144	Theory of extraordinary transmission of light through quasiperiodic arrays of subwavelength holes. <i>Physical Review Letters</i> , 2007 , 99, 203905	7.4	43
143	Artificial Metaphotonics Born Naturally in Two Dimensions. <i>Chemical Reviews</i> , 2020 , 120, 6197-6246	68.1	42
142	Transformation-optics insight into nonlocal effects in separated nanowires. <i>Physical Review B</i> , 2012 , 86,	3.3	42
141	Terahertz surface plasmon polaritons on a helically grooved wire. <i>Applied Physics Letters</i> , 2008 , 93, 141109	7.4	41
140	Spectroscopy and nonlinear microscopy of gold nanoparticle arrays on gold films. <i>Physical Review B</i> , 2007 , 75,	3.3	41
139	Silver-filled carbon nanotubes used as spectroscopic enhancers. <i>Physical Review B</i> , 1998 , 58, 6783-6786	3.3	40
138	Monolayer graphene photonic metastructures: Giant Faraday rotation and nearly perfect transmission. <i>Physical Review B</i> , 2013 , 88,	3.3	39
137	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
136	Green's functions for Maxwell's equations: application to spontaneous emission. <i>Optical and Quantum Electronics</i> , 1997 , 29, 199-216	2.4	39
135	Theory of ballistic electron emission microscopy. <i>Progress in Surface Science</i> , 2001 , 66, 3-51	6.6	38

134	Uncoupled Dark States Can Inherit Polaritonic Properties. <i>Physical Review Letters</i> , 2016 , 117, 156402	7.4	37
133	A plasmonic route for the integrated wireless communication of subdiffraction-limited signals. <i>Light: Science and Applications</i> , 2020 , 9, 113	16.7	36
132	Dual band terahertz waveguiding on a planar metal surface patterned with annular holes. <i>Applied Physics Letters</i> , 2010 , 96, 011101	3.4	35
131	Cerenkov radiation in metallic metamaterials. <i>Applied Physics Letters</i> , 2010 , 97, 151107	3.4	34
130	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
129	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
128	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
127	All-angle blockage of sound by an acoustic double-fishnet metamaterial. <i>Applied Physics Letters</i> , 2010 , 97, 134106	3.4	32
126	Confining and slowing airborne sound with a corrugated metawire. <i>Applied Physics Letters</i> , 2008 , 93, 083502	3.4	32
125	Effective electronic response of a system of metallic cylinders. <i>Physical Review B</i> , 1998 , 57, 15261-15266	3.3	32
124	Effect of film thickness and dielectric environment on optical transmission through subwavelength holes. <i>Physical Review B</i> , 2012 , 85,	3.3	31
123	Transmission of light through periodic arrays of square holes: From a metallic wire mesh to an array of tiny holes. <i>Physical Review B</i> , 2007 , 76,	3.3	31
122	Resonant transmission of light through finite arrays of slits. <i>Physical Review B</i> , 2007 , 76,	3.3	30
121	Voltage and length-dependent phase diagram of the electronic transport in carbon nanotubes. <i>Nano Letters</i> , 2007 , 7, 2568-73	11.5	30
120	Transformation plasmonics. <i>Nanophotonics</i> , 2012 , 1, 51-64	6.3	29
119	Modulation of surface plasmon coupling-in by one-dimensional surface corrugation. <i>New Journal of Physics</i> , 2008 , 10, 033035	2.9	29
118	Observation of enhanced transmission for s-polarized light through a subwavelength slit. <i>Optics Express</i> , 2010 , 18, 9722-7	3.3	27
117	Plasmonic Nanocavities Enable Self-Induced Electrostatic Catalysis. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 8698-8702	16.4	26

116	Anisotropy Effects on the Plasmonic Response of Nanoparticle Dimers. <i>Journal of Physical Chemistry Letters</i> , 2015 , 6, 1891-8	6.4	26
115	Super-Planckian far-field radiative heat transfer. <i>Physical Review B</i> , 2018 , 97,	3.3	26
114	Resonant transmission of cold atoms through subwavelength apertures. <i>Physical Review Letters</i> , 2005 , 95, 170406	7.4	26
113	Anomalous band formation in arrays of terahertz nanoresonators. <i>Physical Review Letters</i> , 2011 , 106, 013902	7.4	25
112	Hot-electron lifetimes in metals: A combined ab initio calculation and ballistic electron emission spectroscopy analysis. <i>Physical Review B</i> , 2003 , 68,	3.3	24
111	Plasmon-Exciton Coupling in Symmetry-Broken Nanocavities. <i>ACS Photonics</i> , 2018 , 5, 177-185	6.3	23
110	Stacking Structures of Few-Layer Graphene Revealed by Phase-Sensitive Infrared Nanoscopy. <i>ACS Nano</i> , 2015 , 9, 6765-73	16.7	23
109	Holey metal films make perfect endoscopes. <i>Physical Review B</i> , 2009 , 79,	3.3	23
108	Holey metal films: From extraordinary transmission to negative-index behavior. <i>Physical Review B</i> , 2009 , 80,	3.3	23
107	Efficient coupling of light into and out of a photonic crystal waveguide via surface modes. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2004 , 2, 97-102	2.6	23
106	Tensor network simulation of polaron-polaritons in organic microcavities. <i>Physical Review B</i> , 2018 , 98,	3.3	23
105	Theory of lasing action in plasmonic crystals. <i>Physical Review B</i> , 2015 , 91,	3.3	22
104	Anderson localization regime in carbon nanotubes: size dependent properties. <i>Journal of Physics Condensed Matter</i> , 2008 , 20, 304211	1.8	22
103	Face centered cubic photonic bandgap materials based on opal-semiconductor composites. <i>Journal of Lightwave Technology</i> , 1999 , 17, 1975-1981	4	22
102	Long-distance operator for energy transfer. <i>Science</i> , 2017 , 357, 1357-1358	33.3	21
101	Gain-assisted extraordinary optical transmission through periodic arrays of subwavelength apertures. <i>New Journal of Physics</i> , 2012 , 14, 013020	2.9	21
100	Subwavelength chiral surface plasmons that carry tuneable orbital angular momentum. <i>Physical Review B</i> , 2012 , 86,	3.3	21
99	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

98	Nonequilibrium plasmon emission drives ultrafast carrier relaxation dynamics in photoexcited graphene. <i>Physical Review B</i> , 2016 , 93,	3.3	20
97	Moulding the flow of surface plasmons using conformal and quasiconformal mappings. <i>New Journal of Physics</i> , 2011 , 13, 033011	2.9	20
96	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
95	Photon statistics in collective strong coupling: Nanocavities and microcavities. <i>Physical Review A</i> , 2018 , 98,	2.6	19
94	Minimal model for optical transmission through holey metal films. <i>Journal of Physics Condensed Matter</i> , 2008 , 20, 304214	1.8	19
93	Theory of absorption-induced transparency. <i>Physical Review B</i> , 2013 , 88,	3.3	18
92	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
91	Foundations of the composite diffracted evanescent wave model. <i>Nature Physics</i> , 2006 , 2, 790-790	16.2	18
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