

# Jaime Gomez-Rivas

## 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.

162  
papers

7,953  
citations

48  
h-index

86  
g-index

187  
ext. papers

9,162  
ext. citations

6.8  
avg, IF

6.15  
L-index

#	Paper	IF	Citations
162	Electric tuning and switching of the resonant response of nanoparticle arrays with liquid crystals. <i>Journal of Applied Physics</i> , <b>2022</b> , 131, 083101	2.5	1
161	Chasing Vibro-Polariton Fingerprints in Infrared and Raman Spectra Using Surface Lattice Resonances on Extended Metasurfaces.. <i>Journal of Physical Chemistry C</i> , <b>2022</b> , 126, 7143-7151	3.8	1
160	Frñlich interaction dominated by a single phonon mode in CsPbBr. <i>Nature Communications</i> , <b>2021</b> , 12, 5844	17.4	5
159	Evolutionary optimization of light-matter coupling in open plasmonic cavities. <i>Journal of Chemical Physics</i> , <b>2021</b> , 154, 134110	3.9	2
158	Spatial coherence from Nd quantum emitters mediated by a plasmonic chain. <i>Optics Express</i> , <b>2021</b> , 29, 26244-26254	3.3	1
157	Nanowire Solar Cell Above the Radiative Limit. <i>Advanced Optical Materials</i> , <b>2021</b> , 9, 2001636	8.1	3
156	Effective Negative Diffusion of Singlet Excitons in Organic Semiconductors. <i>Journal of Physical Chemistry Letters</i> , <b>2021</b> , 12, 1360-1366	6.4	6
155	Unveiling the Symmetry Protection of Bound States in the Continuum with Terahertz Near-Field Imaging. <i>ACS Photonics</i> , <b>2021</b> , 8, 3010-3016	6.3	4
154	Enhanced Light Emission by Magnetic and Electric Resonances in Dielectric Metasurfaces. <i>Advanced Optical Materials</i> , <b>2020</b> , 8, 1902024	8.1	23
153	LightMatter Coupling Strength Controlled by the Orientation of Organic Crystals in Plasmonic Cavities. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 12030-12038	3.8	8
152	Correlated Exciton Fluctuations in a Two-Dimensional Semiconductor on a Metal. <i>Nano Letters</i> , <b>2020</b> , 20, 4829-4836	11.5	5
151	Exciton-Polaritons with Magnetic and Electric Character in All-Dielectric Metasurfaces. <i>ACS Photonics</i> , <b>2020</b> , 7, 1226-1234	6.3	13
150	Collective Mie Exciton-Polaritons in an Atomically Thin Semiconductor. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 19196-19203	3.8	7
149	Bound States in the Continuum in the Visible Emerging from out-of-Plane Magnetic Dipoles. <i>ACS Photonics</i> , <b>2020</b> , 7, 2204-2210	6.3	20
148	Highly Ordered 2D-Assemblies of Phase-Segregated Block Molecules for Upconverted Linearly Polarized Emission. <i>Advanced Materials</i> , <b>2020</b> , 32, e2004775	24	7
147	Terahertz Time-Domain Spectroscopy and Near-Field Microscopy of Transparent Silver Nanowire Networks. <i>Advanced Optical Materials</i> , <b>2020</b> , 8, 1900790	8.1	6
146	Limits to Strong Coupling of Excitons in Multilayer WS <sub>2</sub> with Collective Plasmonic Resonances. <i>ACS Photonics</i> , <b>2019</b> , 6, 286-293	6.3	39

145	Lattice resonances in dielectric metasurfaces. <i>Journal of Applied Physics</i> , <b>2019</b> , 125, 213105	2.5	39
144	Strong coupling between weakly guided semiconductor nanowire modes and an organic dye. <i>Physical Review B</i> , <b>2019</b> , 99,	3.3	5
143	Diffraction enhanced transparency in a hybrid gold-graphene THz metasurface. <i>APL Photonics</i> , <b>2019</b> , 4, 036104	5.2	3
142	Super-resolution Mapping of Enhanced Emission by Collective Plasmonic Resonances. <i>ACS Nano</i> , <b>2019</b> , 13, 4514-4521	16.7	20
141	Enhanced Delayed Fluorescence in Tetracene Crystals by Strong Light-Matter Coupling. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1901317	15.6	18
140	Preserving the Emission Lifetime and Efficiency of a Monolayer Semiconductor upon Transfer. <i>Advanced Optical Materials</i> , <b>2019</b> , 7, 1900351	8.1	16
139	Strong Light-Matter Coupling: Enhanced Delayed Fluorescence in Tetracene Crystals by Strong Light-Matter Coupling (Adv. Funct. Mater. 36/2019). <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1970249	15.6	2
138	Ultrafast Dynamics of Nonequilibrium Organic Exciton-Polariton Condensates. <i>Nano Letters</i> , <b>2019</b> , 19, 8590-8596	11.5	8
137	Strong light-matter coupling and exciton-polariton condensation in lattices of plasmonic nanoparticles [Invited]. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2019</b> , 36, E88	1.7	19
136	Spectral and temporal evidence of robust photonic bound states in the continuum on terahertz metasurfaces. <i>Optica</i> , <b>2019</b> , 6, 996	8.6	68
135	Enhanced Quality Factors of Surface Lattice Resonances in Plasmonic Arrays of Nanoparticles. <i>Advanced Optical Materials</i> , <b>2019</b> , 7, 1801451	8.1	39
134	Dispersion Anisotropy of Plasmon-Exciton-Polaritons in Lattices of Metallic Nanoparticles. <i>ACS Photonics</i> , <b>2018</b> , 5, 233-239	6.3	16
133	The rich photonic world of plasmonic nanoparticle arrays. <i>Materials Today</i> , <b>2018</b> , 21, 303-314	21.8	212
132	Interaction and Coherence of a Plasmon-Exciton Polariton Condensate. <i>ACS Photonics</i> , <b>2018</b> , 5, 3666-3678	6.3	23
131	Broadband optical response of graphene measured by terahertz time-domain spectroscopy and FTIR spectroscopy. <i>Journal of Applied Physics</i> , <b>2018</b> , 124, 073105	2.5	4
130	Confining light to the atomic scale. <i>Nature Nanotechnology</i> , <b>2018</b> , 13, 442-443	28.7	1
129	Time-resolved terahertz time-domain near-field microscopy. <i>Optics Express</i> , <b>2018</b> , 26, 32118-32129	3.3	10
128	Nonlinear Emission of Molecular Ensembles Strongly Coupled to Plasmonic Lattices with Structural Imperfections. <i>Physical Review Letters</i> , <b>2018</b> , 121, 243904	7.4	22

127	Plasmonic Nanoantenna Arrays as Efficient Etendue Reducers for Optical Detection. <i>ACS Photonics</i> , <b>2018</b> , 5, 2478-2485	6.3	17
126	Photoimprinted Controllable Fano Resonance in the Terahertz Regime. <i>ACS Photonics</i> , <b>2017</b> , 4, 1785-1789	3.3	4
125	Visualizing near-field coupling in terahertz dolmens. <i>Applied Physics Letters</i> , <b>2017</b> , 110, 101105	3.4	9
124	Terahertz diffraction enhanced transparency probed in the near field. <i>Physical Review B</i> , <b>2017</b> , 96,	3.3	12
123	Plasmon-exciton-polariton lasing. <i>Optica</i> , <b>2017</b> , 4, 31	8.6	154
122	Large near-to-far field spectral shifts for terahertz resonances. <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	12
121	Coherent Control of the Optical Absorption in a Plasmonic Lattice Coupled to a Luminescent Layer. <i>Physical Review Letters</i> , <b>2016</b> , 116, 103002	7.4	43
120	Metallic nanostructures for efficient LED lighting. <i>Light: Science and Applications</i> , <b>2016</b> , 5, e16080	16.7	123
119	Directional sideward emission from luminescent plasmonic nanostructures. <i>Optics Express</i> , <b>2016</b> , 24, A388-96	3.3	8
118	Directional Emission from Leaky and Guided Modes in GaAs Nanowires Measured by Cathodoluminescence. <i>ACS Photonics</i> , <b>2016</b> , 3, 677-684	6.3	16
117	Luminescent Metamaterials for Solid State Lighting. <i>ECS Journal of Solid State Science and Technology</i> , <b>2016</b> , 5, R3164-R3169	2	16
116	Coherent control of the optical absorption in a plasmonic lattice coupled to a luminescent layer <b>2016</b> ,		1
115	Full vectorial mapping of the complex electric near-fields of THz resonators. <i>APL Photonics</i> , <b>2016</b> , 1, 086103	3.3	19
114	High-Efficiency Nanowire Solar Cells with Omnidirectionally Enhanced Absorption Due to Self-Aligned Indium-Tin-Oxide Mie Scatterers. <i>ACS Nano</i> , <b>2016</b> , 10, 11414-11419	16.7	120
113	Strong diameter-dependence of nanowire emission coupled to waveguide modes. <i>Applied Physics Letters</i> , <b>2016</b> , 108, 121109	3.4	7
112	Modified emission of extended light emitting layers by selective coupling to collective lattice resonances. <i>Physical Review B</i> , <b>2016</b> , 94,	3.3	43
111	Diffraction Enhanced Transparency and Slow THz Light in Periodic Arrays of Detuned and Displaced Dipoles. <i>ACS Photonics</i> , <b>2016</b> , 3, 1596-1603	6.3	24
110	Hybrid Semiconductor Nanowire-Metallic Yagi-Uda Antennas. <i>Nano Letters</i> , <b>2015</b> , 15, 4889-95	11.5	32

109	Modulated light absorption and emission of a luminescent layer by phase-controlled multiple beam illumination. <i>Optics Express</i> , <b>2015</b> , 23, 18166-80	3.3	3
108	Enhanced THz extinction in arrays of resonant semiconductor particles. <i>Optics Express</i> , <b>2015</b> , 23, 24440-55	3.3	1
107	Control of the external photoluminescent quantum yield of emitters coupled to nanoantenna phased arrays. <i>Journal of Applied Physics</i> , <b>2015</b> , 118, 073103	2.5	20
106	Active loaded plasmonic antennas at terahertz frequencies: Optical control of their capacitive-inductive coupling. <i>Physical Review B</i> , <b>2015</b> , 91,	3.3	18
105	Azimuthally polarized cathodoluminescence from InP nanowires. <i>Applied Physics Letters</i> , <b>2015</b> , 107, 201110	3.1	7
104	Directional and Polarized Emission from Nanowire Arrays. <i>Nano Letters</i> , <b>2015</b> , 15, 4557-63	11.5	56
103	Photo-generated THz antennas. <i>Scientific Reports</i> , <b>2014</b> , 4, 3584	4.9	39
102	Nanowire antenna absorption probed with time-reversed fourier microscopy. <i>Nano Letters</i> , <b>2014</b> , 14, 3227-34	11.5	37
101	Tailor-made directional emission in nanoimprinted plasmonic-based light-emitting devices. <i>Nanoscale</i> , <b>2014</b> , 6, 9223-9	7.7	64
100	Active liquid crystal tuning of metallic nanoantenna enhanced light emission from colloidal quantum dots. <i>Nano Letters</i> , <b>2014</b> , 14, 5555-60	11.5	37
99	Photo-generated THz plasmonic waveguides. <i>Journal of Optics (United Kingdom)</i> , <b>2014</b> , 16, 094011	1.7	5
98	Tailoring Dispersion and Eigenfield Profiles of Plasmonic Surface Lattice Resonances. <i>ACS Photonics</i> , <b>2014</b> , 1, 61-68	6.3	42
97	From weak to strong coupling of localized surface plasmons to guided modes in a luminescent slab. <i>Physical Review B</i> , <b>2014</b> , 90,	3.3	23
96	Directional absorption by phased arrays of plasmonic nanoantennae probed with time-reversed Fourier microscopy. <i>New Journal of Physics</i> , <b>2014</b> , 16, 013040	2.9	19
95	Plasmonic LED device <b>2014</b> ,		1
94	Active terahertz beam steering by photo-generated graded index gratings in thin semiconductor films. <i>Optics Express</i> , <b>2014</b> , 22, 26559-71	3.3	27
93	Breaking the symmetry of forward-backward light emission with localized and collective magnetoelectric resonances in arrays of pyramid-shaped aluminum nanoparticles. <i>Physical Review Letters</i> , <b>2014</b> , 113, 247401	7.4	39
92	Broadband and Omnidirectional Anti-reflection Coating for III/V Multi-junction Solar Cells. <i>Springer Series in Materials Science</i> , <b>2014</b> , 571-595	0.9	1

91	Enhanced and directional emission of semiconductor nanowires tailored through leaky/guided modes. <i>Nanoscale</i> , <b>2013</b> , 5, 10582-90	7.7	62
90	Enhanced terahertz extinction of single plasmonic antennas with conically tapered waveguides. <i>New Journal of Physics</i> , <b>2013</b> , 15, 015006	2.9	15
89	Thermalization and cooling of plasmon-exciton polaritons: towards quantum condensation. <i>Physical Review Letters</i> , <b>2013</b> , 111, 166802	7.4	86
88	Plasmonics for solid-state lighting: enhanced excitation and directional emission of highly efficient light sources. <i>Light: Science and Applications</i> , <b>2013</b> , 2, e66-e66	16.7	292
87	Coherent and broadband enhanced optical absorption in graphene. <i>ACS Nano</i> , <b>2013</b> , 7, 4810-7	16.7	163
86	Near-field resonance at far-field-induced transparency in diffractive arrays of plasmonic nanorods. <i>Optics Letters</i> , <b>2013</b> , 38, 1238-40	3	11
85	Excitation of confined modes on particle arrays. <i>Optics Express</i> , <b>2013</b> , 21, 5636-42	3.3	11
84	Hybrid plasmonic-photonic modes in diffractive arrays of nanoparticles coupled to light-emitting optical waveguides. <i>Optics Express</i> , <b>2013</b> , 21, 4250-62	3.3	75
83	Surface lattice resonances strongly coupled to Rhodamine 6G excitons: tuning the plasmon-exciton-polariton mass and composition. <i>Optics Express</i> , <b>2013</b> , 21, 27411-21	3.3	70
82	Semiconductor plasmonic crystals: active control of THz extinction. <i>Semiconductor Science and Technology</i> , <b>2013</b> , 28, 124003	1.8	6
81	THz spectroscopy of semiconducting plasmonic resonators <b>2013</b> ,		4
80	Semiconductor plasmonic crystals: Active control of THz extinction <b>2013</b> ,		1
79	Semiconductor nanowire photoluminescence: spatial/polarization averaged coupling into leaky modes <b>2013</b> ,		1
78	Broadband and omnidirectional anti-reflection layer for III/V multi-junction solar cells. <i>Solar Energy Materials and Solar Cells</i> , <b>2012</b> , 101, 308-314	6.4	63
77	Mapping the directional emission of quasi-two-dimensional photonic crystals of semiconductor nanowires using Fourier microscopy. <i>Physical Review B</i> , <b>2012</b> , 86,	3.3	20
76	Coherent absorption and enhanced photoluminescence in thin layers of nanorods. <i>Physical Review B</i> , <b>2012</b> , 85,	3.3	11
75	Nanowire antenna emission. <i>Nano Letters</i> , <b>2012</b> , 12, 5481-6	11.5	110
74	Collective resonances in plasmonic crystals: Size matters. <i>Physica B: Condensed Matter</i> , <b>2012</b> , 407, 4081-4085	4.8	79

73	Light-emitting waveguide-plasmon polaritons. <i>Physical Review Letters</i> , <b>2012</b> , 109, 166803	7.4	63
72	Detection of deep-subwavelength dielectric layers at terahertz frequencies using semiconductor plasmonic resonators. <i>Optics Express</i> , <b>2012</b> , 20, 5052-60	3.3	35
71	Surface wave sensors based on nanometric layers of strongly absorbing materials. <i>Optics Express</i> , <b>2012</b> , 20, 9431-41	3.3	4
70	Long-range guided THz radiation by thin layers of water. <i>Optics Express</i> , <b>2012</b> , 20, 27781-91	3.3	4
69	Selective detection of bacterial layers with terahertz plasmonic antennas. <i>Biomedical Optics Express</i> , <b>2012</b> , 3, 2937-49	3.5	37
68	Enhanced absorption and emission of Y <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> :Ce <sup>3+</sup> thin layers prepared by epoxide-catalyzed sol-gel method. <i>Optical Materials Express</i> , <b>2012</b> , 2, 1111	2.6	29
67	Polarization-dependent light extinction in ensembles of polydisperse vertical semiconductor nanowires: A Mie scattering effective medium. <i>Physical Review B</i> , <b>2012</b> , 86,	3.3	15
66	Quantum rod emission coupled to plasmonic lattice resonances: A collective directional source of polarized light. <i>Applied Physics Letters</i> , <b>2012</b> , 100, 111103	3.4	70
65	Modified light emission from emitters coupled to long-range guided modes in strongly absorbing layers. <i>Optics Express</i> , <b>2012</b> , 20, 27554-61	3.3	2
64	Controlling the directional emission of light by periodic arrays of heterostructured semiconductor nanowires. <i>ACS Nano</i> , <b>2011</b> , 5, 5830-7	16.7	21
63	Long-range surface plasmon polaritons at THz frequencies in thin semiconductor layers (Invited Paper). <i>Chinese Optics Letters</i> , <b>2011</b> , 9, 110014-110016	2.2	2
62	Strong geometrical dependence of the absorption of light in arrays of semiconductor nanowires. <i>ACS Nano</i> , <b>2011</b> , 5, 2316-23	16.7	147
61	Enhancing the gas sensitivity of surface plasmon resonance with a nanoporous silica matrix. <i>Sensors and Actuators B: Chemical</i> , <b>2011</b> , 160, 181-188	8.5	15
60	Coupling Bright and Dark Plasmonic Lattice Resonances. <i>Physical Review X</i> , <b>2011</b> , 1,	9.1	85
59	Active control of the strong coupling regime between porphyrin excitons and surface plasmon polaritons. <i>ACS Nano</i> , <b>2011</b> , 5, 6226-32	16.7	64
58	Universal scaling of the figure of merit of plasmonic sensors. <i>ACS Nano</i> , <b>2011</b> , 5, 5151-7	16.7	243
57	Strong modification of the reflection from birefringent layers of semiconductor nanowires by nanoshells. <i>Applied Physics Letters</i> , <b>2011</b> , 99, 201108	3.4	1
56	Modified reflection in birefringent layers of core-shell semiconductor nanowires. <i>Semiconductor Science and Technology</i> , <b>2010</b> , 25, 024008	1.8	7

55	Mimicking moth eyes for photovoltaic applications with tapered GaP nanorods <b>2010</b> ,		1
54	Lighting up multipolar surface plasmon polaritons by collective resonances in arrays of nanoantennas. <i>Physical Review Letters</i> , <b>2010</b> , 105, 266801	7.4	153
53	Long range surface polaritons supported by lossy thin films. <i>Applied Physics Letters</i> , <b>2010</b> , 96, 113108	3.4	10
52	Scattering efficiency and near field enhancement of active semiconductor plasmonic antennas at terahertz frequencies. <i>Optics Express</i> , <b>2010</b> , 18, 2797-807	3.3	94
51	Ultrafast active control of localized surface plasmon resonances in silicon bowtie antennas. <i>Optics Express</i> , <b>2010</b> , 18, 23226-35	3.3	62
50	Nanoscale free-carrier profiling of individual semiconductor nanowires by infrared near-field nanoscopy. <i>Nano Letters</i> , <b>2010</b> , 10, 1387-92	11.5	108
49	Optical control over transmission of terahertz radiation through arrays of subwavelength holes of varying size. <i>Physical Review B</i> , <b>2009</b> , 80,	3.3	8
48	Terahertz plasmonics with semiconductor surfaces and antennas <b>2009</b> ,		1
47	Broad-band and Omnidirectional Antireflection Coatings Based on Semiconductor Nanorods. <i>Advanced Materials</i> , <b>2009</b> , 21, 973-978	24	225
46	Orientation-dependent optical-polarization properties of single quantum dots in nanowires. <i>Small</i> , <b>2009</b> , 5, 2134-8	11	30
45	Large photonic strength of highly tunable resonant nanowire materials. <i>Nano Letters</i> , <b>2009</b> , 9, 930-4	11.5	125
44	Electrodynamic calculations of spontaneous emission coupled to metal nanostructures of arbitrary shape: nanoantenna-enhanced fluorescence. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2009</b> , 26, 1569	1.7	40
43	Surface modes in plasmonic crystals induced by diffractive coupling of nanoantennas. <i>Physical Review B</i> , <b>2009</b> , 80,	3.3	185
42	Shaping the fluorescent emission by lattice resonances in plasmonic crystals of nanoantennas. <i>Physical Review Letters</i> , <b>2009</b> , 102, 146807	7.4	284
41	Design of light scattering in nanowire materials for photovoltaic applications. <i>Nano Letters</i> , <b>2008</b> , 8, 2638-42	11.5	435
40	Surface plasmon mediated transmission of subwavelength slits at THz frequencies. <i>Physical Review B</i> , <b>2008</b> , 77,	3.3	50
39	Local and anisotropic excitation of surface plasmon polaritons by semiconductor nanowires. <i>Optics Express</i> , <b>2008</b> , 16, 5013-21	3.3	7
38	Long-range surface polaritons in ultra-thin films of silicon. <i>Optics Express</i> , <b>2008</b> , 16, 19674-85	3.3	28



37	Optical control over surface-plasmon-polariton-assisted THz transmission through a slit aperture. <i>Physical Review Letters</i> , <b>2008</b> , 100, 123901	7.4	105
36	Surface plasmon polariton-mediated enhancement of the emission of dye molecules on metallic gratings. <i>New Journal of Physics</i> , <b>2008</b> , 10, 105007	2.9	37
35	Enhanced light extraction from emitters close to clusters of resonant plasmonic nanoantennas. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2008</b> , 149, 216-219	3.1	7
34	Epitaxial Growth of Aligned Semiconductor Nanowire Metamaterials for Photonic Applications. <i>Advanced Functional Materials</i> , <b>2008</b> , 18, 1039-1046	15.6	52
33	Inside Front Cover: Epitaxial Growth of Aligned Semiconductor Nanowire Metamaterials for Photonic Applications (Adv. Funct. Mater. 7/2008). <i>Advanced Functional Materials</i> , <b>2008</b> , 18, 970-970	15.6	
32	Optics with single nanowires. <i>Comptes Rendus Physique</i> , <b>2008</b> , 9, 804-815	1.4	20
31	Optical Anisotropy of Semiconductor Nanowires <b>2008</b> , 127-145		5
30	Strong enhancement of the radiative decay rate of emitters by single plasmonic nanoantennas. <i>Nano Letters</i> , <b>2007</b> , 7, 2871-5	11.5	435
29	Analysis of the propagation of terahertz surface plasmon polaritons on semiconductor groove gratings. <i>Journal of Applied Physics</i> , <b>2007</b> , 101, 023707	2.5	20
28	Ultrafast optical switching of the THz transmission through metallic subwavelength hole arrays. <i>Physical Review B</i> , <b>2007</b> , 75,	3.3	69
27	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> , <b>2007</b> , 76,	3.3	31
26	Modification of the photoluminescence anisotropy of semiconductor nanowires by coupling to surface plasmon polaritons. <i>Optics Letters</i> , <b>2007</b> , 32, 2097-9	3	7
25	Optical scattering resonances of single and coupled dimer plasmonic nanoantennas. <i>Optics Express</i> , <b>2007</b> , 15, 17736-46	3.3	126
24	Optically switchable mirrors for surface plasmon polaritons propagating on semiconductor surfaces. <i>Physical Review B</i> , <b>2006</b> , 74,	3.3	37
23	Thermal switching of the scattering coefficients of terahertz surface plasmon polaritons impinging on a finite array of subwavelength grooves on semiconductor surfaces. <i>Physical Review B</i> , <b>2006</b> , 73,	3.3	54
22	Giant optical birefringence in ensembles of semiconductor nanowires. <i>Applied Physics Letters</i> , <b>2006</b> , 89, 233117	3.4	60
21	Low-frequency active surface plasmon optics on semiconductors. <i>Applied Physics Letters</i> , <b>2006</b> , 88, 082106		90
20	Temperature dependence of the permittivity and loss tangent of high-permittivity materials at terahertz frequencies. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2005</b> , 53, 1266-1271	4.1	47

19	Transmission of THz radiation through InSb gratings of subwavelength apertures. <i>Optics Express</i> , <b>2005</b> , 13, 847-59	3.3	141
18	All-optical switching of the transmission of electromagnetic radiation through subwavelength apertures. <i>Optics Letters</i> , <b>2005</b> , 30, 2357-9	3	72
17	Time-resolved broadband analysis of slow-light propagation and superluminal transmission of electromagnetic waves in three-dimensional photonic crystals. <i>Physical Review B</i> , <b>2005</b> , 71,	3.3	9
16	Broadband photoacoustic spectroscopy using a free-electron laser. <i>Review of Scientific Instruments</i> , <b>2004</b> , 75, 281-283	1.7	2
15	Propagation of surface plasmon polaritons on semiconductor gratings. <i>Physical Review Letters</i> , <b>2004</b> , 93, 256804	7.4	110
14	Optimization of enhanced terahertz transmission through arrays of subwavelength apertures. <i>Physical Review B</i> , <b>2004</b> , 69,	3.3	34
13	Time-domain measurements of surface plasmon polaritons in the terahertz frequency range. <i>Physical Review B</i> , <b>2004</b> , 69,	3.3	119
12	Thermal switching of the enhanced transmission of terahertz radiation through subwavelength apertures. <i>Optics Letters</i> , <b>2004</b> , 29, 1680-2	3	42
11	Measurement of the dielectric constant and loss tangent of high dielectric-constant materials at terahertz frequencies. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2003</b> , 51, 1062-1066	4.1	133
10	Experimental determination of the effective refractive index in strongly scattering media. <i>Optics Communications</i> , <b>2003</b> , 220, 17-21	2	22
9	Time-resolved pulse propagation in a strongly scattering material. <i>Physical Review E</i> , <b>2003</b> , 68, 016604	2.4	66
8	Enhanced transmission of THz radiation through subwavelength holes. <i>Physical Review B</i> , <b>2003</b> , 68,	3.3	180
7	Anisotropic diffusion of light in a strongly scattering material. <i>Physical Review Letters</i> , <b>2002</b> , 89, 243901	7.4	52
6	Tunable photonic strength in porous GaP. <i>Applied Physics Letters</i> , <b>2002</b> , 80, 4498-4500	3.4	32
5	Porous GaP Multilayers Formed by Electrochemical Etching. <i>Electrochemical and Solid-State Letters</i> , <b>2002</b> , 5, G32		44
4	Propagation of Light in Disordered Semiconductor Materials <b>2001</b> , 447-473		10
3	Midinfrared scattering and absorption in Ge powder close to the anderson localization transition. <i>Physical Review E</i> , <b>2000</b> , 62, R4540-3	2.4	9
2	Optical transmission through strong scattering and highly polydisperse media. <i>Europhysics Letters</i> , <b>1999</b> , 48, 22-28	1.6	44

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