

Vahid Sandoghdar

List of Publications by Year in descending order

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259
papers

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16411

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all docs

276
docs citations

276
times ranked

11800
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhancement of Single-Molecule Fluorescence Using a Gold Nanoparticle as an Optical Nanoantenna. <i>Physical Review Letters</i> , 2006, 97, 017402.	2.9	1,355
2	Detection and Spectroscopy of Gold Nanoparticles Using Supercontinuum White Light Confocal Microscopy. <i>Physical Review Letters</i> , 2004, 93, 037401.	2.9	469
3	Very low threshold whispering-gallery-mode microsphere laser. <i>Physical Review A</i> , 1996, 54, R1777-R1780.	1.0	425
4	Measurement of the Casimir-Polder force. <i>Physical Review Letters</i> , 1993, 70, 560-563.	2.9	370
5	High-speed nanoscopic tracking of the position and orientation of a single virus. <i>Nature Methods</i> , 2009, 6, 923-927.	9.0	328
6	Nanometer Resolution and Coherent Optical Dipole Coupling of Two Individual Molecules. <i>Science</i> , 2002, 298, 385-389.	6.0	319
7	Direct printing of nanostructures by electrostatic autofocussing of ink nanodroplets. <i>Nature Communications</i> , 2012, 3, 890.	5.8	319
8	A single-molecule optical transistor. <i>Nature</i> , 2009, 460, 76-80.	13.7	308
9	Splitting of high-Q Mie modes induced by light backscattering in silica microspheres. <i>Optics Letters</i> , 1995, 20, 1835.	1.7	280
10	Optical microscopy using a single-molecule light source. <i>Nature</i> , 2000, 405, 325-328.	13.7	270
11	A planar dielectric antenna for directional single-photon emission and near-unity collection efficiency. <i>Nature Photonics</i> , 2011, 5, 166-169.	15.6	270
12	Efficient coupling of photons to a single molecule and the observation of its resonance fluorescence. <i>Nature Physics</i> , 2008, 4, 60-66.	6.5	267
13	A single gold particle as a probe for apertureless scanning near-field optical microscopy. <i>Journal of Microscopy</i> , 2001, 202, 72-76.	0.8	260
14	Controlled Coupling of Counterpropagating Whispering-Gallery Modes by a Single Rayleigh Scatterer: A Classical Problem in a Quantum Optical Light. <i>Physical Review Letters</i> , 2007, 99, 173603.	2.9	254
15	Design of plasmonic nanoantennae for enhancing spontaneous emission. <i>Optics Letters</i> , 2007, 32, 1623.	1.7	249
16	Direct optical sensing of single unlabelled proteins and super-resolution imaging of their binding sites. <i>Nature Communications</i> , 2014, 5, 4495.	5.8	245
17	Highly Directional Emission from Photonic Crystal Waveguides of Subwavelength Width. <i>Physical Review Letters</i> , 2004, 92, 113903.	2.9	213
18	Geometry-induced electrostatic trapping of nanometric objects in a fluid. <i>Nature</i> , 2010, 467, 692-695.	13.7	207

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19	Interferometric optical detection and tracking of very small gold nanoparticles at a water-glass interface. <i>Optics Express</i> , 2006, 14, 405.	1.7	181
20	Direct measurement of the van der Waals interaction between an atom and its images in a micron-sized cavity. <i>Physical Review Letters</i> , 1992, 68, 3432-3435.	2.9	175
21	Single-molecule imaging by optical absorption. <i>Nature Photonics</i> , 2011, 5, 95-98.	15.6	174
22	Perfect Reflection of Light by an Oscillating Dipole. <i>Physical Review Letters</i> , 2008, 101, 180404.	2.9	173
23	Interferometric Scattering Microscopy: Seeing Single Nanoparticles and Molecules via Rayleigh Scattering. <i>Nano Letters</i> , 2019, 19, 4827-4835.	4.5	157
24	Sub-nanometre resolution in single-molecule photoluminescence imaging. <i>Nature Photonics</i> , 2020, 14, 693-699.	15.6	152
25	Nanoparticle-Induced Fluorescence Lifetime Modification as Nanoscopic Ruler: A Demonstration at the Single Molecule Level. <i>Nano Letters</i> , 2007, 7, 685-689.	4.5	147
26	Quantum Interference of Tunably Indistinguishable Photons from Remote Organic Molecules. <i>Physical Review Letters</i> , 2010, 104, 123605.	2.9	139
27	Optical Microscopy via Spectral Modifications of a Nanoantenna. <i>Physical Review Letters</i> , 2005, 95, 200801.	2.9	132
28	Single-Molecule Sensitivity in Optical Absorption at Room Temperature. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 3323-3327.	2.1	132
29	Interferometric scattering microscopy reveals microsecond nanoscopic protein motion on a live cell membrane. <i>Nature Photonics</i> , 2019, 13, 480-487.	15.6	125
30	Diamond colour centres as a nanoscopic light source for scanning near-field optical microscopy. <i>Journal of Microscopy</i> , 2001, 202, 2-6.	0.8	122
31	Spontaneous Emission of Europium Ions Embedded in Dielectric Nanospheres. <i>Physical Review Letters</i> , 2002, 89, 257403.	2.9	122
32	Measuring the Quantum Efficiency of the Optical Emission of Single Radiating Dipoles Using a Scanning Mirror. <i>Physical Review Letters</i> , 2005, 95, 063003.	2.9	122
33	Controlling the Resonance of a Photonic Crystal Microcavity by a Near-Field Probe. <i>Physical Review Letters</i> , 2005, 95, 153904.	2.9	121
34	Turning a molecule into a coherent two-level quantum system. <i>Nature Physics</i> , 2019, 15, 483-489.	6.5	118
35	Mapping whispering-gallery modes in microspheres with a near-field probe. <i>Optics Letters</i> , 1995, 20, 1515.	1.7	115
36	Gold nanorods and nanospheroids for enhancing spontaneous emission. <i>New Journal of Physics</i> , 2008, 10, 105015.	1.2	114

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37	Strong Extinction of a Laser Beam by a Single Molecule. <i>Physical Review Letters</i> , 2007, 98, 033601.	2.9	113
38	Eroded monomode optical fiber for whispering-gallery mode excitation in fused-silica microspheres. <i>Optics Letters</i> , 1995, 20, 813.	1.7	111
39	Production of Isolated Giant Unilamellar Vesicles under High Salt Concentrations. <i>Frontiers in Physiology</i> , 2017, 8, 63.	1.3	110
40	Tomographic Plasmon Spectroscopy of a Single Gold Nanoparticle. <i>Nano Letters</i> , 2004, 4, 2309-2314.	4.5	107
41	Highly Efficient Interfacing of Guided Plasmons and Photons in Nanowires. <i>Nano Letters</i> , 2009, 9, 3756-3761.	4.5	102
42	Metallodielectric Hybrid Antennas for Ultrastrong Enhancement of Spontaneous Emission. <i>Physical Review Letters</i> , 2012, 108, 233001.	2.9	102
43	Spectroscopic detection and state preparation of a single praseodymium ion in a crystal. <i>Nature Communications</i> , 2014, 5, 3627.	5.8	102
44	Roadmap on quantum light spectroscopy. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2020, 53, 072002.	0.6	101
45	Modification of single molecule fluorescence close to a nanostructure: radiation pattern, spontaneous emission and quenching. <i>Molecular Physics</i> , 2008, 106, 893-908.	0.8	100
46	Tracking Single Particles on Supported Lipid Membranes: Multimobility Diffusion and Nanoscopic Confinement. <i>Journal of Physical Chemistry B</i> , 2014, 118, 1545-1554.	1.2	99
47	Imaging a Single Quantum Dot When It Is Dark. <i>Nano Letters</i> , 2009, 9, 926-929.	4.5	92
48	Cavity QED level shifts of simple atoms. <i>Physical Review A</i> , 1991, 43, 398-403.	1.0	89
49	Measurement of the complex dielectric constant of a single gold nanoparticle. <i>Optics Letters</i> , 2006, 31, 2474.	1.7	89
50	Single-Photon Spectroscopy of a Single Molecule. <i>Physical Review Letters</i> , 2012, 108, 093601.	2.9	88
51	Light microscopy: an ongoing contemporary revolution. <i>Contemporary Physics</i> , 2015, 56, 123-143.	0.8	82
52	Visualization and ligand-induced modulation of dopamine receptor dimerization at the single molecule level. <i>Scientific Reports</i> , 2016, 6, 33233.	1.6	82
53	Reflection scanning near-field optical microscopy with uncoated fiber tips: How good is the resolution really?. <i>Journal of Applied Physics</i> , 1997, 81, 2499-2503.	1.1	79
54	Cryogenic optical localization provides 3D protein structure data with Angstrom resolution. <i>Nature Methods</i> , 2017, 14, 141-144.	9.0	79

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55	Single organic molecules for photonic quantum technologies. <i>Nature Materials</i> , 2021, 20, 1615-1628.	13.3	79
56	A single molecule as a high-fidelity photon gun for producing intensity-squeezed light. <i>Nature Photonics</i> , 2017, 11, 58-62.	15.6	75
57	Aligned terrylene molecules in a spin-coated ultrathin crystalline film of p-terphenyl. <i>Chemical Physics Letters</i> , 2004, 387, 490-495.	1.2	73
58	Controlled Photon Transfer between Two Individual Nanoemitters via Shared High-Q Modes of a Microsphere Resonator. <i>Nano Letters</i> , 2006, 6, 1151-1154.	4.5	72
59	99% efficiency in collecting photons from a single emitter. <i>Optics Letters</i> , 2011, 36, 3545.	1.7	72
60	Coherent Interaction of Light with a Metallic Structure Coupled to a Single Quantum Emitter: From Superabsorption to Cloaking. <i>Physical Review Letters</i> , 2013, 110, 153605.	2.9	72
61	Label-free characterization of biomembranes: from structure to dynamics. <i>Chemical Society Reviews</i> , 2014, 43, 887-900.	18.7	72
62	Coherent Interaction of Light and Single Molecules in a Dielectric Nanoguide. <i>Physical Review Letters</i> , 2014, 113, 213601.	2.9	72
63	Near-field visualization of light confinement in a photonic crystal microresonator. <i>Optics Letters</i> , 2004, 29, 174.	1.7	70
64	Few-photon coherent nonlinear optics with a single molecule. <i>Nature Photonics</i> , 2016, 10, 450-453.	15.6	69
65	Second-harmonic generation from individual surface defects under local excitation. <i>Physical Review B</i> , 2000, 61, 4545-4548.	1.1	67
66	Label-Free Optical Detection and Tracking of Single Virions Bound to Their Receptors in Supported Membrane Bilayers. <i>Nano Letters</i> , 2007, 7, 2263-2266.	4.5	67
67	External-cavity frequency-stabilization of visible and infrared semiconductor lasers for high resolution spectroscopy. <i>Optics Communications</i> , 1991, 85, 355-359.	1.0	64
68	Manipulation of Quenching in Nanoantenna-Emmitter Systems Enabled by External Detuned Cavities: A Path to Enhance Strong-Coupling. <i>ACS Photonics</i> , 2018, 5, 456-461.	3.2	63
69	Characterizing whispering-gallery modes in microspheres by direct observation of the optical standing-wave pattern in the near field. <i>Optics Letters</i> , 1996, 21, 698.	1.7	62
70	Oxygen-dependent photochemistry of fluorescent dyes studied at the single molecule level. <i>Molecular Physics</i> , 2006, 104, 409-414.	0.8	62
71	Finite-Difference Time-Domain Modeling of Decay Rates in the Near Field of Metal Nanostructures. <i>Journal of Computational and Theoretical Nanoscience</i> , 2007, 4, 635-643.	0.4	62
72	Electrically Driven Single-Photon Superradiance from Molecular Chains in a Plasmonic Nanocavity. <i>Physical Review Letters</i> , 2019, 122, 233901.	2.9	62

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73	Quantized atom-field force at the surface of a microsphere. <i>Optics Letters</i> , 1994, 19, 1651.	1.7	61
74	Resolution and Enhancement in Nanoantenna-Based Fluorescence Microscopy. <i>Nano Letters</i> , 2009, 9, 4007-4011.	4.5	61
75	Apertureless scanning near-field second-harmonic microscopy. <i>Optics Communications</i> , 2000, 178, 245-249.	1.0	60
76	Fluorescence Enhancement with the Optical (Bi-) Conical Antenna. <i>Journal of Physical Chemistry C</i> , 2010, 114, 7372-7377.	1.5	59
77	Near-infrared single-photons from aligned molecules in ultrathin crystalline films at room temperature. <i>Optics Express</i> , 2010, 18, 6577.	1.7	59
78	Controlling the Phase of a Light Beam with a Single Molecule. <i>Physical Review Letters</i> , 2011, 107, 063001.	2.9	59
79	Compartmentalization and Transport in Synthetic Vesicles. <i>Frontiers in Bioengineering and Biotechnology</i> , 2016, 4, 19.	2.0	59
80	Single-molecule spectroscopy near structured dielectrics. <i>Optics Communications</i> , 1998, 158, 250-262.	1.0	58
81	Spontaneous emission rates of dipoles in photonic crystal membranes. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2006, 23, 1196.	0.9	58
82	Visualization of lipids and proteins at high spatial and temporal resolution via interferometric scattering (iSCAT) microscopy. <i>Journal Physics D: Applied Physics</i> , 2016, 49, 274002.	1.3	58
83	A model system for two-dimensional and three-dimensional photonic crystals: macroporous silicon. <i>Journal of Optics</i> , 2001, 3, S121-S132.	1.5	57
84	Plasmon spectra of nanospheres under a tightly focused beam. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2008, 25, 651.	0.9	56
85	Experimental realization of an optical antenna designed for collecting 99% of photons from a quantum emitter. <i>Optica</i> , 2014, 1, 203.	4.8	54
86	Coherent state preparation and observation of Rabi oscillations in a single molecule. <i>Physical Review A</i> , 2009, 79, .	1.0	53
87	Strong plasmonic enhancement of biexciton emission: controlled coupling of a single quantum dot to a gold nanocone antenna. <i>Scientific Reports</i> , 2017, 7, 42307.	1.6	53
88	Single-molecule optical spectroscopy. <i>Chemical Society Reviews</i> , 2014, 43, 973.	18.7	52
89	Visualizing Single-Cell Secretion Dynamics with Single-Protein Sensitivity. <i>Nano Letters</i> , 2018, 18, 513-519.	4.5	50
90	A scanning microcavity for in situ control of single-molecule emission. <i>Applied Physics Letters</i> , 2010, 97, 021107.	1.5	49

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91	Coherent Coupling of a Single Molecule to a Scanning Fabry-Perot Microcavity. <i>Physical Review X</i> , 2017, 7, .	2.8	49
92	Experimental realization of an absolute single-photon source based on a single nitrogen vacancy center in a nanodiamond. <i>Optica</i> , 2017, 4, 71.	4.8	47
93	Point spread function in interferometric scattering microscopy (iSCAT). Part I: aberrations in defocusing and axial localization. <i>Optics Express</i> , 2020, 28, 25969.	1.7	47
94	Cryogenic Colocalization Microscopy for Nanometerâ€ Distance Measurements. <i>ChemPhysChem</i> , 2014, 15, 763-770.	1.0	46
95	Precision size and refractive index analysis of weakly scattering nanoparticles in polydispersions. <i>Nature Methods</i> , 2022, 19, 586-593.	9.0	45
96	Receptor Concentration and Diffusivity Control Multivalent Binding of Sv40 to Membrane Bilayers. <i>PLoS Computational Biology</i> , 2013, 9, e1003310.	1.5	44
97	Chip-Based All-Optical Control of Single Molecules Coherently Coupled to a Nanoguide. <i>Nano Letters</i> , 2017, 17, 4941-4945.	4.5	44
98	Gold, Copper, Silver and Aluminum Nanoantennas to Enhance Spontaneous Emission. <i>Journal of Computational and Theoretical Nanoscience</i> , 2009, 6, 2024-2030.	0.4	43
99	Sensing Nanoparticles with a Cantilever-Based Scannable Optical Cavity of Low Finesse and Sub- λ Resolution. <i>Physical Review Applied</i> , 2015, 4, .	1.5	41
100	Direct spectroscopy of a deep two-dimensional photonic crystal microresonator. <i>Physical Review B</i> , 2001, 64, .	1.1	40
101	Spontaneous emission of a nanoscopic emitter in a strongly scattering disordered medium. <i>Optics Express</i> , 2010, 18, 6360.	1.7	40
102	Coherent nonlinear optics of quantum emitters in nanophotonic waveguides. <i>Nanophotonics</i> , 2019, 8, 1641-1657.	2.9	40
103	Ensemble-Induced Strong Light-Matter Coupling of a Single Quantum Emitter. <i>Physical Review Letters</i> , 2020, 124, 113602.	2.9	40
104	Apertureless near-field optical microscopy via local second-harmonic generation. <i>Journal of Microscopy</i> , 2001, 202, 94-99.	0.8	39
105	Nanofocusing radially-polarized beams for high-throughput funneling of optical energy to the near field. <i>Optics Express</i> , 2010, 18, 10878.	1.7	38
106	Single-Molecule Vacuum Rabi Splitting: Four-Wave Mixing and Optical Switching at the Single-Photon Level. <i>Physical Review Letters</i> , 2021, 127, 133603.	2.9	38
107	Optimization of prism coupling to high-Q modes in a microsphere resonator using a near-field probe. <i>Optics Communications</i> , 2005, 250, 428-433.	1.0	37
108	Spontaneous emission in the near field of two-dimensional photonic crystals. <i>Optics Letters</i> , 2005, 30, 3210.	1.7	37

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109	Near-field imaging and frequency tuning of a high-Q photonic crystal membrane microcavity. <i>Optics Express</i> , 2007, 15, 17214.	1.7	37
110	Polaritonic normal-mode splitting and light localization in a one-dimensional nanoguide. <i>Physical Review A</i> , 2016, 94, .	1.0	35
111	Spontaneous emission in nanoscopic dielectric particles. <i>Optics Letters</i> , 2003, 28, 1736.	1.7	34
112	Nanoprinting organic molecules at the quantum level. <i>Nature Communications</i> , 2019, 10, 1880.	5.8	33
113	Realization of two Fourier-limited solid-state single-photon sources. <i>Optics Express</i> , 2007, 15, 15842.	1.7	31
114	Subwavelength emitters in the near-infrared based on mercury telluride nanocrystals. <i>Applied Physics Letters</i> , 2004, 84, 4732-4734.	1.5	30
115	Mapping and manipulating whispering gallery modes of a microsphere resonator with a near-field probe. <i>Journal of Microscopy</i> , 2001, 202, 117-121.	0.8	29
116	Coherent coupling of single molecules to on-chip ring resonators. <i>New Journal of Physics</i> , 2019, 21, 062002.	1.2	29
117	Spectroscopy of atoms confined to the single node of a standing wave in a parallel-plate cavity. <i>Physical Review A</i> , 1996, 53, 1919-1922.	1.0	28
118	Influence of a sharp fiber tip on high-Q modes of a microsphere resonator. <i>Optics Letters</i> , 2002, 27, 80.	1.7	28
119	Towards controlled coupling between a high-Q whispering-gallery mode and a single nanoparticle. <i>Applied Physics B: Lasers and Optics</i> , 2001, 73, 825-828.	1.1	27
120	Quantum Metamaterials with Magnetic Response at Optical Frequencies. <i>Physical Review Letters</i> , 2020, 125, 063601.	2.9	27
121	Coherent nonlinear single-molecule microscopy. <i>Physical Review A</i> , 2010, 82, .	1.0	26
122	Scanning-aperture trapping and manipulation of single charged nanoparticles. <i>Nature Communications</i> , 2014, 5, 3380.	5.8	26
123	Spectroscopic detection of single Pr ³⁺ ions on the 3H ₄ →1D ₂ transition. <i>New Journal of Physics</i> , 2015, 17, 083018.	1.2	26
124	A single molecule as a probe of optical intensity distribution. <i>Optics Letters</i> , 1999, 24, 581.	1.7	25
125	Prospects of apertureless SNOM with active probes. <i>Journal of Optics</i> , 1999, 1, 523-530.	1.5	24
126	Spontaneous emission enhancement of a single molecule by a double-sphere nanoantenna across an interface. <i>Optics Express</i> , 2012, 20, 23331.	1.7	24

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127	Transmission of a microcavity structure in a two-dimensional photonic crystal based on macroporous silicon. <i>Materials Science in Semiconductor Processing</i> , 2000, 3, 487-491.	1.9	23
128	Cryogenic localization of single molecules with angstrom precision. <i>Proceedings of SPIE</i> , 2013, , .	0.8	23
129	Fabrication and characterization of plasmonic nanocone antennas for strong spontaneous emission enhancement. <i>Nanotechnology</i> , 2015, 26, 404001.	1.3	23
130	Nanostructured Alkali-Metal Vapor Cells. <i>Physical Review Applied</i> , 2020, 14, .	1.5	23
131	Confocal microscopy and spectroscopy of nanocrystals on a high-Qmicrosphere resonator. <i>Journal of Optics B: Quantum and Semiclassical Optics</i> , 2004, 6, 154-158.	1.4	21
132	Scanning near-field optical coherent spectroscopy of single molecules at 14K. <i>Optics Letters</i> , 2007, 32, 1420.	1.7	21
133	Measuring three-dimensional interaction potentials using optical interference. <i>Optics Express</i> , 2013, 21, 9377.	1.7	21
134	High-Speed Microscopy of Diffusion in Pore-Spanning Lipid Membranes. <i>Nano Letters</i> , 2018, 18, 5262-5271.	4.5	21
135	Ultrahigh-Speed Imaging of Rotational Diffusion on a Lipid Bilayer. <i>Nano Letters</i> , 2020, 20, 7213-7219.	4.5	21
136	Interferometric Scattering (iSCAT) Microscopy and Related Techniques. <i>Biological and Medical Physics Series</i> , 2019, , 25-65.	0.3	21
137	Modification of single molecule fluorescence by a scanning probe. <i>Applied Physics B: Lasers and Optics</i> , 2006, 84, 211-217.	1.1	20
138	Linear and non-linear optical experiments based on macroporous silicon photonic crystals. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2007, 204, 3708-3726.	0.8	18
139	Spectroscopy and microscopy of single molecules in nanoscopic channels: spectral behavior vs. confinement depth. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 19588-19594.	1.3	18
140	Molecule-photon interactions in phononic environments. <i>Physical Review Research</i> , 2020, 2, .	1.3	18
141	Experimental demonstration of a predictable single photon source with variable photon flux. <i>Metrologia</i> , 2017, 54, 218-223.	0.6	17
142	A Single-Emitter Gain Medium for Bright Coherent Radiation from a Plasmonic Nanoresonator. <i>ACS Photonics</i> , 2017, 4, 2738-2744.	3.2	17
143	Nano-Optics in 2020 $\hat{\pm}$ 20. <i>Nano Letters</i> , 2020, 20, 4721-4723.	4.5	17
144	High-contrast topography-free sample for near-field optical microscopy. <i>Applied Physics Letters</i> , 2000, 76, 1206-1208.	1.5	16

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145	Near-field optics and control of photonic crystals. Photonics and Nanostructures - Fundamentals and Applications, 2005, 3, 63-74.	1.0	16
146	Metal nanoparticles in strongly confined beams: transmission, reflection and absorption. Journal of the European Optical Society-Rapid Publications, 0, 4, .	0.9	16
147	Circular Grating Resonators as Small Mode-Volume Microcavities for Switching. Optics Express, 2009, 17, 5953.	1.7	16
148	Spheroidal nanoparticles as nanoantennas for fluorescence enhancement. International Journal of Nanotechnology, 2009, 6, 902.	0.1	16
149	Efficient coupling of single photons to single plasmons. Optics Express, 2010, 18, 13829.	1.7	16
150	Interrogation and fabrication of nm scale hot alkali vapour cells. Journal of Physics: Conference Series, 2015, 635, 122006.	0.3	16
151	Lithography using nano-lens arrays made of light. Journal of Modern Optics, 1997, 44, 1883-1898.	0.6	15
152	Conformational distribution of surface-adsorbed fibronectin molecules explored by single molecule localization microscopy. Biomaterials Science, 2014, 2, 883.	2.6	15
153	Label-Free Imaging of Single Proteins Secreted from Living Cells via iSCAT Microscopy. Journal of Visualized Experiments, 2018, , .	0.2	15
154	Multifunctional AFM/SNOM cantilever probes: Fabrication and measurements. Microelectronic Engineering, 2000, 53, 183-186.	1.1	14
155	Exploring the limits of single emitter detection in fluorescence and extinction. Optics Express, 2008, 16, 17358.	1.7	14
156	When excitons and plasmons meet: Emerging function through synthesis and assembly. MRS Bulletin, 2015, 40, 768-776.	1.7	14
157	Engineering Long-Lived Vibrational States for an Organic Molecule. Physical Review Letters, 2021, 127, 123603.	2.9	14
158	Microlasers based on silica microspheres. Annales Des Telecommunications/Annals of Telecommunications, 1997, 52, 557.	1.6	13
159	Nano-Optomechanical Characterization and Manipulation of Photonic Crystals. IEEE Journal of Selected Topics in Quantum Electronics, 2007, 13, 253-261.	1.9	13
160	Molecules as sources for indistinguishable single photons. Journal of Modern Optics, 2009, 56, 161-166.	0.6	13
161	Quantum optics, molecular spectroscopy and low-temperature spectroscopy: general discussion. Faraday Discussions, 2015, 184, 275-303.	1.6	13
162	On Quantum Efficiency Measurements and Plasmonic Antennas. ACS Photonics, 2021, 8, 1508-1521.	3.2	13

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163	Partial Cloaking of a Gold Particle by a Single Molecule. <i>Physical Review Letters</i> , 2020, 125, 103603.	2.9	12
164	Kerker effect, superscattering, and scattering dark states in atomic antennas. <i>Physical Review Research</i> , 2020, 2, .	1.3	12
165	Coupling of plasmonic nanoparticles to their environments in the context of van der Waalsâ€™Casimir interactions. <i>Physical Review B</i> , 2008, 77, .	1.1	11
166	Precision single-particle localization using radial variance transform. <i>Optics Express</i> , 2021, 29, 11070.	1.7	11
167	Nanosopic Charge Fluctuations in a Gallium Phosphide Waveguide Measured by Single Molecules. <i>Physical Review Letters</i> , 2021, 126, 133602.	2.9	10
168	High-resolution vibronic spectroscopy of a single molecule embedded in a crystal. <i>Journal of Chemical Physics</i> , 2022, 156, 104301.	1.2	10
169	Lifetime-limited zero-phonon spectra of single molecules in methyl methacrylate. <i>Chemical Physics Letters</i> , 2009, 472, 44-47.	1.2	9
170	Plasmonics, Tracking and Manipulating, and Living Cells: general discussion. <i>Faraday Discussions</i> , 2015, 184, 451-473.	1.6	9
171	Levitated Plasmonic Nanoantennas in an Aqueous Environment. <i>ACS Nano</i> , 2017, 11, 7674-7678.	7.3	9
172	Small slot waveguide rings for on-chip quantum optical circuits. <i>Optics Express</i> , 2017, 25, 5397.	1.7	9
173	A â€™standing-wave meterâ€™to measure dispersion and loss of photonic-crystal waveguides. <i>Applied Physics Letters</i> , 2005, 87, 261110.	1.5	8
174	Optical Detection of Very Small Nonfluorescent Nanoparticles. <i>Chimia</i> , 2006, 60, 761-764.	0.3	7
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