

# Brahim Lounis

## List of Publications by Citations

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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.

157 papers	12,640 citations	57 h-index	111 g-index
181 ext. papers	14,000 ext. citations	9 avg, IF	6.25 L-index

#	Paper	IF	Citations
157	Photothermal imaging of nanometer-sized metal particles among scatterers. <i>Science</i> , <b>2002</b> , 297, 1160-3	33.3	778
156	Single photons on demand from a single molecule at room temperature. <i>Nature</i> , <b>2000</b> , 407, 491-3	50.4	609
155	Single-photon sources. <i>Reports on Progress in Physics</i> , <b>2005</b> , 68, 1129-1179	14.4	594
154	Surface mobility of postsynaptic AMPARs tunes synaptic transmission. <i>Science</i> , <b>2008</b> , 320, 201-5	33.3	372
153	Triggered Source of Single Photons based on Controlled Single Molecule Fluorescence. <i>Physical Review Letters</i> , <b>1999</b> , 83, 2722-2725	7.4	343
152	Observation of intrinsic size effects in the optical response of individual gold nanoparticles. <i>Nano Letters</i> , <b>2005</b> , 5, 515-8	11.5	333
151	Differential activity-dependent regulation of the lateral mobilities of AMPA and NMDA receptors. <i>Nature Neuroscience</i> , <b>2004</b> , 7, 695-6	25.5	329
150	Single metallic nanoparticle imaging for protein detection in cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2003</b> , 100, 11350-5	11.5	303
149	Direct imaging of lateral movements of AMPA receptors inside synapses. <i>EMBO Journal</i> , <b>2003</b> , 22, 4656-65	11.5	297
148	Ten Years of Single-Molecule Spectroscopy. <i>Journal of Physical Chemistry A</i> , <b>2000</b> , 104, 1-16	2.8	297
147	Temperature dependence of the luminescence lifetime of single CdSe/ZnS quantum dots. <i>Physical Review Letters</i> , <b>2003</b> , 90, 257404	7.4	277
146	Integrins $\alpha$ and $\beta$ exhibit distinct dynamic nanoscale organizations inside focal adhesions. <i>Nature Cell Biology</i> , <b>2012</b> , 14, 1057-67	23.4	275
145	Absorption and scattering microscopy of single metal nanoparticles. <i>Physical Chemistry Chemical Physics</i> , <b>2006</b> , 8, 3486-95	3.6	266
144	NMDA receptor surface mobility depends on NR2A-2B subunits. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2006</b> , 103, 18769-74	11.5	263
143	Photothermal heterodyne imaging of individual nonfluorescent nanoclusters and nanocrystals. <i>Physical Review Letters</i> , <b>2004</b> , 93, 257402	7.4	260
142	Quantized motion of cold cesium atoms in two- and three-dimensional optical potentials. <i>Physical Review Letters</i> , <b>1993</b> , 70, 2249-2252	7.4	260
141	Photon antibunching in single CdSe/ZnS quantum dot fluorescence. <i>Chemical Physics Letters</i> , <b>2000</b> , 329, 399-404	2.5	255

140	Dynamics and spatial order of cold cesium atoms in a periodic optical potential. <i>Physical Review Letters</i> , <b>1992</b> , 68, 3861-3864	7.4	239
139	Endocytic trafficking and recycling maintain a pool of mobile surface AMPA receptors required for synaptic potentiation. <i>Neuron</i> , <b>2009</b> , 63, 92-105	13.9	222
138	The 2015 super-resolution microscopy roadmap. <i>Journal Physics D: Applied Physics</i> , <b>2015</b> , 48, 443001	3	211
137	Single nanoparticle photothermal tracking (SNaPT) of 5-nm gold beads in live cells. <i>Biophysical Journal</i> , <b>2006</b> , 91, 4598-604	2.9	202
136	Photothermal heterodyne imaging of individual metallic nanoparticles: Theory versus experiment. <i>Physical Review B</i> , <b>2006</b> , 73,	3.3	173
135	Surface trafficking of neurotransmitter receptor: comparison between single-molecule/quantum dot strategies. <i>Journal of Neuroscience</i> , <b>2007</b> , 27, 12433-7	6.6	171
134	Neutral and Charged Exciton Fine Structure in Single Lead Halide Perovskite Nanocrystals Revealed by Magneto-optical Spectroscopy. <i>Nano Letters</i> , <b>2017</b> , 17, 2895-2901	11.5	164
133	Super-resolution microscopy approaches for live cell imaging. <i>Biophysical Journal</i> , <b>2014</b> , 107, 1777-1784	2.9	164
132	Luminescence decay and the absorption cross section of individual single-walled carbon nanotubes. <i>Physical Review Letters</i> , <b>2008</b> , 101, 077402	7.4	142
131	Absorption spectroscopy of individual single-walled carbon nanotubes. <i>Nano Letters</i> , <b>2007</b> , 7, 1203-7	11.5	133
130	The ground exciton state of formamidinium lead bromide perovskite nanocrystals is a singlet dark state. <i>Nature Materials</i> , <b>2019</b> , 18, 717-724	27	131
129	Single-nanotube tracking reveals the nanoscale organization of the extracellular space in the live brain. <i>Nature Nanotechnology</i> , <b>2017</b> , 12, 238-243	28.7	127
128	Are the spectral trails of single molecules consistent with the standard two-level system model of glasses at low temperatures?. <i>Chemical Physics</i> , <b>1999</b> , 247, 119-132	2.3	122
127	Recoil-induced resonances in cesium: An atomic analog to the free-electron laser. <i>Physical Review Letters</i> , <b>1994</b> , 72, 3017-3020	7.4	116
126	Raman Spectroscopy of Cesium Atoms in a Laser Trap. <i>Europhysics Letters</i> , <b>1991</b> , 15, 149-154	1.6	111
125	All-optical trion generation in single-walled carbon nanotubes. <i>Physical Review Letters</i> , <b>2011</b> , 107, 187404	7.4	105
124	Brownian motion of stiff filaments in a crowded environment. <i>Science</i> , <b>2010</b> , 330, 1804-7	33.3	103
123	A highly specific gold nanoprobe for live-cell single-molecule imaging. <i>Nano Letters</i> , <b>2013</b> , 13, 1489-94	11.5	101

122	Direct observation of the two lowest exciton zero-phonon lines in single CdSe/ZnS nanocrystals. <i>Physical Review Letters</i> , <b>2009</b> , 103, 037404	7.4	101
121	Cathepsin L digestion of nanobioconjugates upon endocytosis. <i>ACS Nano</i> , <b>2009</b> , 3, 2461-8	16.7	100
120	Photophysics of DsRed, a Red Fluorescent Protein, from the Ensemble to the Single-Molecule Level. <i>Journal of Physical Chemistry B</i> , <b>2001</b> , 105, 5048-5054	3.4	91
119	Fluorescent silver oligomeric clusters and colloidal particles. <i>Solid State Sciences</i> , <b>2005</b> , 7, 812-818	3.4	87
118	Unraveling exciton-phonon coupling in individual FAPbI nanocrystals emitting near-infrared single photons. <i>Nature Communications</i> , <b>2018</b> , 9, 3318	17.4	84
117	Transport of fibroblast growth factor 2 in the pericellular matrix is controlled by the spatial distribution of its binding sites in heparan sulfate. <i>PLoS Biology</i> , <b>2012</b> , 10, e1001361	9.7	84
116	Photothermal methods for single nonluminescent nano-objects. <i>Analytical Chemistry</i> , <b>2008</b> , 80, 2288-94	7.8	82
115	Pump-Probe Experiments with a Single Molecule: ac-Stark Effect and Nonlinear Optical Response. <i>Physical Review Letters</i> , <b>1995</b> , 75, 1514-1517	7.4	80
114	Single molecules of dibenzanthanthrene in n-hexadecane. <i>Journal of Chemical Physics</i> , <b>1996</b> , 105, 3969-3974	3.4	80
113	Direct investigation of intracellular presence of gold nanoparticles via photothermal heterodyne imaging. <i>ACS Nano</i> , <b>2011</b> , 5, 2587-92	16.7	75
112	Photothermal absorption spectroscopy of individual semiconductor nanocrystals. <i>Nano Letters</i> , <b>2005</b> , 5, 2160-3	11.5	75
111	Biexciton, single carrier, and trion generation dynamics in single-walled carbon nanotubes. <i>Physical Review B</i> , <b>2013</b> , 87,	3.3	70
110	Spectroscopy of single nanocrystals. <i>Chemical Society Reviews</i> , <b>2014</b> , 43, 1311-37	58.5	67
109	Advances in live-cell single-particle tracking and dynamic super-resolution imaging. <i>Current Opinion in Chemical Biology</i> , <b>2014</b> , 20, 78-85	9.7	66
108	Short gold nanorod growth revisited: the critical role of the bromide counterion. <i>ChemPhysChem</i> , <b>2012</b> , 13, 193-202	3.2	63
107	Luminescence properties of individual empty and water-filled single-walled carbon nanotubes. <i>ACS Nano</i> , <b>2012</b> , 6, 2649-55	16.7	63
106	Label-free optical imaging of mitochondria in live cells. <i>Optics Express</i> , <b>2007</b> , 15, 14184-93	3.3	61
105	Diameter-dependent solubility of single-walled carbon nanotubes. <i>ACS Nano</i> , <b>2010</b> , 4, 3063-72	16.7	60

104	Chemical Cutting of Perovskite Nanowires into Single-Photon Emissive Low-Aspect-Ratio CsPbX (X=Cl, Br, I) Nanorods. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 16094-16098	16.4	60
103	Fluorescence spectra of single pentacene molecules in p-terphenyl at 1.7 K. <i>Chemical Physics Letters</i> , <b>1995</b> , 236, 87-95	2.5	59
102	Efficient biexciton emission in elongated CdSe/ZnS nanocrystals. <i>Nano Letters</i> , <b>2011</b> , 11, 4370-5	11.5	57
101	Coherent population trapping and Fano profiles. <i>Journal De Physique II</i> , <b>1992</b> , 2, 579-592		57
100	Band-edge exciton fine structure of single CdSe/ZnS nanocrystals in external magnetic fields. <i>Physical Review Letters</i> , <b>2010</b> , 105, 157402	7.4	56
99	Self-interference 3D super-resolution microscopy for deep tissue investigations. <i>Nature Methods</i> , <b>2018</b> , 15, 449-454	21.6	54
98	Disorder limited exciton transport in colloidal single-wall carbon nanotubes. <i>Nano Letters</i> , <b>2012</b> , 12, 5091-5	11.5	54
97	Identification and super-resolution imaging of ligand-activated receptor dimers in live cells. <i>Scientific Reports</i> , <b>2013</b> , 3, 2387	4.9	54
96	Single Molecules Driven by Strong Resonant Fields: Hyper-Raman and Subharmonic Resonances. <i>Physical Review Letters</i> , <b>1997</b> , 78, 3673-3676	7.4	54
95	Probing the dynamics of protein-protein interactions at neuronal contacts by optical imaging. <i>Chemical Reviews</i> , <b>2008</b> , 108, 1565-87	68.1	54
94	Ultrashort Carbon Nanotubes That Fluoresce Brightly in the Near-Infrared. <i>ACS Nano</i> , <b>2018</b> , 12, 6059-6065	15.7	52
93	Photothermal absorption correlation spectroscopy. <i>ACS Nano</i> , <b>2009</b> , 3, 345-50	16.7	52
92	Pump-probe spectroscopy and photophysical properties of single di-benzanthanthrene molecules in a naphthalene crystal. <i>Journal of Chemical Physics</i> , <b>1997</b> , 107, 1692-1702	3.9	50
91	Large parallelization of STED nanoscopy using optical lattices. <i>Optics Express</i> , <b>2014</b> , 22, 5581-9	3.3	49
90	Spectroscopy of neutral and charged exciton states in single CdSe/ZnS nanocrystals. <i>Applied Physics Letters</i> , <b>2010</b> , 96, 203111	3.4	48
89	Stark Effect on Single Molecules of Dibenzanthanthrene in a Naphthalene Crystal and in a n-Hexadecane Shpol'skii Matrix. <i>Journal of Physical Chemistry A</i> , <b>1999</b> , 103, 2429-2434	2.8	48
88	Metrological Investigation of the (6,5) Carbon Nanotube Absorption Cross Section. <i>Journal of Physical Chemistry Letters</i> , <b>2013</b> , 4, 1460-4	6.4	46
87	Velocity profiles of water flowing past solid glass surfaces using fluorescent nanoparticles and molecules as velocity probes. <i>Physical Review Letters</i> , <b>2008</b> , 100, 214502	7.4	46

86	Optical readout of gold nanoparticle-based DNA microarrays without silver enhancement. <i>Biophysical Journal</i> , <b>2006</b> , 90, L13-5	2.9	46
85	Magneto-optical properties of trions in non-blinking charged nanocrystals reveal an acoustic phonon bottleneck. <i>Nature Communications</i> , <b>2012</b> , 3, 1287	17.4	45
84	Spontaneous Spectral Diffusion in CdSe Quantum Dots. <i>Journal of Physical Chemistry Letters</i> , <b>2012</b> , 3, 1716-20	6.4	45
83	Environmental and synthesis-dependent luminescence properties of individual single-walled carbon nanotubes. <i>ACS Nano</i> , <b>2009</b> , 3, 2153-6	16.7	44
82	Rabi Resonances of a Single Molecule Driven by rf and Laser Fields. <i>Physical Review Letters</i> , <b>1998</b> , 81, 2679-2682	7.4	43
81	Photothermal microscopy: optical detection of small absorbers in scattering environments. <i>Journal of Microscopy</i> , <b>2014</b> , 254, 115-21	1.9	42
80	Nonlinear photoluminescence spectroscopy of carbon nanotubes with localized exciton states. <i>ACS Nano</i> , <b>2014</b> , 8, 11254-60	16.7	41
79	Single molecule detection of nanomechanical motion. <i>Physical Review Letters</i> , <b>2013</b> , 110, 125501	7.4	41
78	Quantized Atomic Motion in 1D Cesium Molasses with Magnetic Field. <i>Europhysics Letters</i> , <b>1993</b> , 21, 13-17	17.6	41
77	Mono- and Biexponential Luminescence Decays of Individual Single-Walled Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 14025-14028	3.8	39
76	Designing Optical Lattices: An Investigation with Cesium Atoms. <i>Europhysics Letters</i> , <b>1994</b> , 26, 171-176	1.6	39
75	Optical manipulation of single flux quanta. <i>Nature Communications</i> , <b>2016</b> , 7, 12801	17.4	35
74	Efficient generation of near infra-red single photons from the zero-phonon line of a single molecule. <i>Optics Express</i> , <b>2009</b> , 17, 23986-91	3.3	35
73	Dibenzoterrylene in Naphthalene: A New Crystalline System for Single Molecule Spectroscopy in the Near Infrared. <i>The Journal of Physical Chemistry</i> , <b>1996</b> , 100, 13892-13894		35
72	Carrier Multiplication in a Single Semiconductor Nanocrystal. <i>Physical Review Letters</i> , <b>2016</b> , 116, 106404	7.4	34
71	Mechanism of electrolyte-induced brightening in single-wall carbon nanotubes. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 3379-82	16.4	33
70	Quantum-yield-optimized fluorophores for site-specific labeling and super-resolution imaging. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 8090-3	16.4	33
69	The excitatory postsynaptic density is a size exclusion diffusion environment. <i>Neuropharmacology</i> , <b>2009</b> , 56, 30-6	5.5	33

68	Toward the suppression of cellular toxicity from single-walled carbon nanotubes. <i>Biomaterials Science</i> , <b>2016</b> , 4, 230-44	7.4	32
67	Drag enhancement with polymers. <i>Physical Review Letters</i> , <b>2008</b> , 100, 018302	7.4	32
66	II Optical Spectroscopy of Single Molecules in Solids. <i>Progress in Optics</i> , <b>1996</b> , 35, 61-144	3.4	32
65	Multiple routes for glutamate receptor trafficking: surface diffusion and membrane traffic cooperate to bring receptors to synapses. <i>Science Signaling</i> , <b>2006</b> , 2006, pe13	8.8	30
64	Cryogenic Single-Nanocrystal Spectroscopy: Reading the Spectral Fingerprint of Individual CdSe Quantum Dots. <i>Journal of Physical Chemistry Letters</i> , <b>2013</b> , 4, 609-18	6.4	29
63	Nanoscale Thermotropic Phase Transitions Enhancing Photothermal Microscopy Signals. <i>Journal of Physical Chemistry Letters</i> , <b>2012</b> , 3, 1400-3	6.4	29
62	Perylene in biphenyl and anthracene crystals: an example of the influence of the host on single-molecule signals. <i>Chemical Physics</i> , <b>1998</b> , 233, 117-125	2.3	29
61	A solid state source of photon triplets based on quantum dot molecules. <i>Nature Communications</i> , <b>2017</b> , 8, 15716	17.4	28
60	The dark exciton ground state promotes photon-pair emission in individual perovskite nanocrystals. <i>Nature Communications</i> , <b>2020</b> , 11, 6001	17.4	27
59	Chemical Cutting of Perovskite Nanowires into Single-Photon Emissive Low-Aspect-Ratio CsPbX <sub>3</sub> (X=Cl, Br, I) Nanorods. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 16326-16330	3.6	25
58	Direct visualization of carbon nanotube degradation in primary cells by photothermal imaging. <i>Nanoscale</i> , <b>2017</b> , 9, 4642-4645	7.7	23
57	Comparative Analysis of Photoluminescence and Upconversion Emission from Individual Carbon Nanotubes for Bioimaging Applications. <i>ACS Photonics</i> , <b>2018</b> , 5, 359-364	6.3	23
56	Measurement of the friction coefficient in 1D corkscrew optical molasses by stimulated Rayleigh spectroscopy. <i>Physical Review Letters</i> , <b>1992</b> , 69, 3029-3032	7.4	22
55	Direct Evidence of Flexomagnetoelectric Effect Revealed by Single-Molecule Spectroscopy. <i>Physical Review Letters</i> , <b>2015</b> , 115, 027601	7.4	21
54	Optical nanoscopy with excited state saturation at liquid helium temperatures. <i>Nature Photonics</i> , <b>2015</b> , 9, 658-662	33.9	21
53	Small Gold Nanorods with Tunable Absorption for Photothermal Microscopy in Cells. <i>Advanced Science</i> , <b>2017</b> , 4, 1600280	13.6	21
52	Indistinguishable near-infrared single photons from an individual organic molecule. <i>Physical Review A</i> , <b>2010</b> , 82,	2.6	18
51	Evaluation of Different Single-Walled Carbon Nanotube Surface Coatings for Single-Particle Tracking Applications in Biological Environments. <i>Nanomaterials</i> , <b>2017</b> , 7,	5.4	16



- 50 Tailoring the exciton fine structure of cadmium selenide nanocrystals with shape anisotropy and magnetic field. *ACS Nano*, **2014**, 8, 11651-6 16.7 15
- 49 New Route to Fluorescent Single-Walled Carbon Nanotube/Silica Nanocomposites: Balancing Fluorescence Intensity and Environmental Sensitivity. *Journal of Physical Chemistry C*, **2011**, 115, 15147-15153 3.8 14
- 48 Non-linear optical response of single molecules. *Chemical Physics*, **1999**, 245, 121-132 2.3 14
- 47 Optical detection of individual ultra-short carbon nanotubes enables their length characterization down to 10 nm. *Scientific Reports*, **2015**, 5, 17093 4.9 13
- 46 Quantum optics, molecular spectroscopy and low-temperature spectroscopy: general discussion. *Faraday Discussions*, **2015**, 184, 275-303 3.6 13
- 45 Polymer conformations and hysteretic stresses in nonstationary flows of polymer solutions. *Europhysics Letters*, **2009**, 86, 34002 1.6 13
- 44 Fluorescence microscopy of single autofluorescent proteins for cellular biology. *Comptes Rendus Physique*, **2002**, 3, 645-656 1.4 12
- 43 Laser cooling and trapping of atoms: new tools for ultra-stable caesium clocks. *Physica Scripta*, **1994**, T51, 78-84 2.6 12
- 42 Memories in the photoluminescence intermittency of single cesium lead bromide nanocrystals. *Nanoscale*, **2020**, 12, 6795-6802 7.7 11
- 41 Innovative molecular-based fluorescent nanoparticles for multicolor single particle tracking in cells. *Journal Physics D: Applied Physics*, **2016**, 49, 084002 3 11
- 40 State selective pumping reveals spin-relaxation pathways in CdSe quantum dots. *Nano Letters*, **2014**, 14, 4480-5 11.5 11
- 39 Ultra-sensitive detection of individual gold nanoparticles: spectroscopy and applications to biology **2008**, 41, 139-146 11
- 38 Anomalous Josephson effect controlled by an Abrikosov vortex. *Physical Review B*, **2017**, 96, 3.3 9
- 37 Plasmonics, Tracking and Manipulating, and Living Cells: general discussion. *Faraday Discussions*, **2015**, 184, 451-73 3.6 9
- 36 Imaging single metal nanoparticles in scattering media by photothermal interference contrast. *Physica E: Low-Dimensional Systems and Nanostructures*, **2003**, 17, 537-540 3 9
- 35 Dibenzanthanthrene in N-Hexadecane, Dibenzoterrylene in Naphthalene: Two New Systems for Single Molecule Spectroscopy. *Molecular Crystals and Liquid Crystals*, **1996**, 291, 41-44 9
- 34 The ultimate limit to the emission linewidth of single nanocrystals. *Nanotechnology*, **2013**, 24, 465703 3.4 8
- 33 Robust single-molecule approach for counting autofluorescent proteins. *Journal of Biomedical Optics*, **2008**, 13, 031216 3.5 8



32	Revealing the Exciton Fine Structure in Lead Halide Perovskite Nanocrystals. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	7
31	Self-Interference (SELI) Microscopy for Live Super-Resolution Imaging and Single Particle Tracking in 3D. <i>Frontiers in Physics</i> , <b>2019</b> , 7,	3.9	6
30	Polarization effects in lattice-STED microscopy. <i>Faraday Discussions</i> , <b>2015</b> , 184, 37-49	3.6	6
29	The optical phonon spectrum of CdSe colloidal quantum dots. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 16957-61	3.6	6
28	Laser-induced resonance shifts of single molecules self-coupled by a metallic surface. <i>Physical Review Letters</i> , <b>2007</b> , 98, 143003	7.4	5
27	Tracking receptors using individual fluorescent and nonfluorescent nanolabels. <i>Cold Spring Harbor Protocols</i> , <b>2014</b> , 2014, 207-13	1.2	4
26	Single-molecule imaging in live cell using gold nanoparticles. <i>Methods in Cell Biology</i> , <b>2015</b> , 125, 13-27	1.8	4
25	Comment on "Spin-flip limited exciton dephasing in CdSe/ZnS colloidal quantum dots". <i>Physical Review Letters</i> , <b>2012</b> , 109, 229701; author reply 229702	7.4	4
24	Single-molecule spectroscopy as a possible tool to study the electric field in superconductors. <i>Europhysics Letters</i> , <b>2007</b> , 77, 17005	1.6	4
23	Laser-cooled cesium fountain clock: design and expected performances <b>1993</b> ,		4
22	Spectroscopic signatures of spin-orbit coupling and free excitons in individual suspended carbon nanotubes. <i>Physical Review B</i> , <b>2019</b> , 100,	3.3	3
21	High resolution resonant photoluminescence excitation of CdSe/ZnS nanocrystals at low temperatures. <i>Applied Physics Letters</i> , <b>2006</b> , 88, 223110	3.4	3
20	Two-level system as topological actuator for nanomechanical modes. <i>Physical Review Research</i> , <b>2020</b> , 2,	3.9	3
19	Driving the Bloch vector of a single molecule: towards a triggered single photon source. <i>Comptes Rendus De L'Academie De Sciences - Serie IIb: Mecanique, Physique, Chimie, Astronomie</i> , <b>1998</b> , 326, 911-918		2
18	Tracking receptors by imaging single molecules. <i>Cold Spring Harbor Protocols</i> , <b>2008</b> , 2008, pdb.top25	1.2	2
17	Imaging single metal-nanoparticles in cells by photothermal interference contrast <b>2003</b> ,		2
16	Optical spectroscopy of single molecules: application to nonlinear and quantum optics. <i>Journal of Luminescence</i> , <b>2000</b> , 87-89, 105-108	3.8	2
15	Spectroscopic characteristics of single dibenzanthanthrene molecules isolated in a low-temperature naphthalene matrix. <i>Journal of Applied Spectroscopy</i> , <b>1999</b> , 66, 344-352	0.7	2

14	3D optical nanoscopy with excited state saturation at liquid helium temperatures. <i>Optics Express</i> , <b>2019</b> , 27, 23486-23496	3.3	2
13	Inverse Faraday Effect for Superconducting Condensates. <i>Physical Review Letters</i> , <b>2021</b> , 126, 137002	7.4	2
12	In-situ creation and control of Josephson junctions with a laser beam. <i>Applied Physics Letters</i> , <b>2019</b> , 114, 142601	3.4	1
11	NIR-emitting molecular-based nanoparticles as new two-photon absorbing nanotools for single particle tracking <b>2015</b> ,		1
10	Optical detection and spectroscopy of single metal nanoparticles <b>2005</b> ,		1
9	Triggered Emission of Single Photons by a Single Molecule. <i>Springer Series in Chemical Physics</i> , <b>2001</b> , 99-113	11.3	1
8	Unraveling the Emission Pathways in Copper Indium Sulfide Quantum Dots. <i>ACS Nano</i> , <b>2021</b> ,	16.7	1
7	On-Demand Optical Generation of Single Flux Quanta. <i>Nano Letters</i> , <b>2020</b> , 20, 6488-6493	11.5	0
6	Spectroscopy of the two Lowest Exciton Zero-Phonon Lines in Single CdSe/ZnS Nanocrystals. <i>Journal of Physics: Conference Series</i> , <b>2010</b> , 245, 012057	0.3	
5	Non-linear optical spectroscopy of single molecules in solids at low temperatures. <i>Journal of Luminescence</i> , <b>1998</b> , 76-77, 274-278	3.8	
4	Non-linear optical measurements on single molecules in solids at low temperatures. <i>Optical Materials</i> , <b>1998</b> , 9, 381-385	3.3	
3	Lateral Diffusion of Excitatory Neurotransmitter Receptors During Synaptogenesis <b>2006</b> , 221-232		
2	Absorption spectroscopy of individual nano-objects and improved readout of DNA microarrays using photothermal detection <b>2006</b> , 6092, 57		
1	Optical Tools <b>2009</b> , 253-373		