

# Brahim Lounis

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/1197483/brahim-lounis-publications-by-year.pdf>

**Version:** 2024-04-09

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	Revealing the Exciton Fine Structure in Lead Halide Perovskite Nanocrystals. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	7
156	Inverse Faraday Effect for Superconducting Condensates. <i>Physical Review Letters</i> , <b>2021</b> , 126, 137002	7.4	2
155	Unraveling the Emission Pathways in Copper Indium Sulfide Quantum Dots. <i>ACS Nano</i> , <b>2021</b> ,	16.7	1
154	Memories in the photoluminescence intermittency of single cesium lead bromide nanocrystals. <i>Nanoscale</i> , <b>2020</b> , 12, 6795-6802	7.7	11
153	Two-level system as topological actuator for nanomechanical modes. <i>Physical Review Research</i> , <b>2020</b> , 2,	3.9	3
152	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
151	On-Demand Optical Generation of Single Flux Quanta. <i>Nano Letters</i> , <b>2020</b> , 20, 6488-6493	11.5	0
150	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
149	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
148	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
147	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
146	3D optical nanoscopy with excited state saturation at liquid helium temperatures. <i>Optics Express</i> , <b>2019</b> , 27, 23486-23496	3.3	2
145	Self-interference 3D super-resolution microscopy for deep tissue investigations. <i>Nature Methods</i> , <b>2018</b> , 15, 449-454	21.6	54
144	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
143	Ultrashort Carbon Nanotubes That Fluoresce Brightly in the Near-Infrared. <i>ACS Nano</i> , <b>2018</b> , 12, 6059-6066	15.7	52
142	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
141	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

140	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
139	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
138	A solid state source of photon triplets based on quantum dot molecules. <i>Nature Communications</i> , <b>2017</b> , 8, 15716	17.4	28
137	Direct visualization of carbon nanotube degradation in primary cells by photothermal imaging. <i>Nanoscale</i> , <b>2017</b> , 9, 4642-4645	7.7	23
136	Small Gold Nanorods with Tunable Absorption for Photothermal Microscopy in Cells. <i>Advanced Science</i> , <b>2017</b> , 4, 1600280	13.6	21
135	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
134	Anomalous Josephson effect controlled by an Abrikosov vortex. <i>Physical Review B</i> , <b>2017</b> , 96,	3.3	9
133	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
132	Carrier Multiplication in a Single Semiconductor Nanocrystal. <i>Physical Review Letters</i> , <b>2016</b> , 116, 106404	7.4	34
131	Optical manipulation of single flux quanta. <i>Nature Communications</i> , <b>2016</b> , 7, 12801	17.4	35
130	Innovative molecular-based fluorescent nanoparticles for multicolor single particle tracking in cells. <i>Journal Physics D: Applied Physics</i> , <b>2016</b> , 49, 084002	3	11
129	Toward the suppression of cellular toxicity from single-walled carbon nanotubes. <i>Biomaterials Science</i> , <b>2016</b> , 4, 230-44	7.4	32
128	Polarization effects in lattice-STED microscopy. <i>Faraday Discussions</i> , <b>2015</b> , 184, 37-49	3.6	6
127	Direct Evidence of Flexomagnetoelectric Effect Revealed by Single-Molecule Spectroscopy. <i>Physical Review Letters</i> , <b>2015</b> , 115, 027601	7.4	21
126	NIR-emitting molecular-based nanoparticles as new two-photon absorbing nanotools for single particle tracking <b>2015</b> ,		1
125	Optical nanoscopy with excited state saturation at liquid helium temperatures. <i>Nature Photonics</i> , <b>2015</b> , 9, 658-662	33.9	21
124	Optical detection of individual ultra-short carbon nanotubes enables their length characterization down to 10 nm. <i>Scientific Reports</i> , <b>2015</b> , 5, 17093	4.9	13
123	Quantum optics, molecular spectroscopy and low-temperature spectroscopy: general discussion. <i>Faraday Discussions</i> , <b>2015</b> , 184, 275-303	3.6	13

122	Plasmonics, Tracking and Manipulating, and Living Cells: general discussion. <i>Faraday Discussions</i> , <b>2015</b> , 184, 451-73	3.6	9
121	The 2015 super-resolution microscopy roadmap. <i>Journal Physics D: Applied Physics</i> , <b>2015</b> , 48, 443001	3	211
120	Single-molecule imaging in live cell using gold nanoparticles. <i>Methods in Cell Biology</i> , <b>2015</b> , 125, 13-27	1.8	4
119	Photothermal microscopy: optical detection of small absorbers in scattering environments. <i>Journal of Microscopy</i> , <b>2014</b> , 254, 115-21	1.9	42
118	Spectroscopy of single nanocrystals. <i>Chemical Society Reviews</i> , <b>2014</b> , 43, 1311-37	58.5	67
117	Tailoring the exciton fine structure of cadmium selenide nanocrystals with shape anisotropy and magnetic field. <i>ACS Nano</i> , <b>2014</b> , 8, 11651-6	16.7	15
116	Nonlinear photoluminescence spectroscopy of carbon nanotubes with localized exciton states. <i>ACS Nano</i> , <b>2014</b> , 8, 11254-60	16.7	41
115	Super-resolution microscopy approaches for live cell imaging. <i>Biophysical Journal</i> , <b>2014</b> , 107, 1777-1784	2.9	164
114	State selective pumping reveals spin-relaxation pathways in CdSe quantum dots. <i>Nano Letters</i> , <b>2014</b> , 14, 4480-5	11.5	11
113	The optical phonon spectrum of CdSe colloidal quantum dots. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 16957-61	3.6	6
112	Tracking receptors using individual fluorescent and nonfluorescent nanolabels. <i>Cold Spring Harbor Protocols</i> , <b>2014</b> , 2014, 207-13	1.2	4
111	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
110	Large parallelization of STED nanoscopy using optical lattices. <i>Optics Express</i> , <b>2014</b> , 22, 5581-9	3.3	49
109	Biexciton, single carrier, and trion generation dynamics in single-walled carbon nanotubes. <i>Physical Review B</i> , <b>2013</b> , 87,	3.3	70
108	The ultimate limit to the emission linewidth of single nanocrystals. <i>Nanotechnology</i> , <b>2013</b> , 24, 465703	3.4	8
107	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
106	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
105	Single molecule detection of nanomechanical motion. <i>Physical Review Letters</i> , <b>2013</b> , 110, 125501	7.4	41

104	A highly specific gold nanoprobe for live-cell single-molecule imaging. <i>Nano Letters</i> , <b>2013</b> , 13, 1489-94	11.5	101
103	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
102	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
101	Short gold nanorod growth revisited: the critical role of the bromide counterion. <i>ChemPhysChem</i> , <b>2012</b> , 13, 193-202	3.2	63
100	Disorder limited exciton transport in colloidal single-wall carbon nanotubes. <i>Nano Letters</i> , <b>2012</b> , 12, 5091-5	11.5	54
99	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
98	Nanoscale Thermotropic Phase Transitions Enhancing Photothermal Microscopy Signals. <i>Journal of Physical Chemistry Letters</i> , <b>2012</b> , 3, 1400-3	6.4	29
97	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
96	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
95	Spontaneous Spectral Diffusion in CdSe Quantum Dots. <i>Journal of Physical Chemistry Letters</i> , <b>2012</b> , 3, 1716-20	6.4	45
94	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
93	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
92	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
91	Efficient biexciton emission in elongated CdSe/ZnS nanocrystals. <i>Nano Letters</i> , <b>2011</b> , 11, 4370-5	11.5	57
90	All-optical trion generation in single-walled carbon nanotubes. <i>Physical Review Letters</i> , <b>2011</b> , 107, 187401	11.4	105
89	New Route to Fluorescent Single-Walled Carbon Nanotube/Silica Nanocomposites: Balancing Fluorescence Intensity and Environmental Sensitivity. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 15147-15153	3.8	14
88	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
87	Brownian motion of stiff filaments in a crowded environment. <i>Science</i> , <b>2010</b> , 330, 1804-7	33.3	103

86	Indistinguishable near-infrared single photons from an individual organic molecule. <i>Physical Review A</i> , <b>2010</b> , 82,	2.6	18
85	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
84	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
83	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	
82	Diameter-dependent solubility of single-walled carbon nanotubes. <i>ACS Nano</i> , <b>2010</b> , 4, 3063-72	16.7	60
81	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
80	Polymer conformations and hysteretic stresses in nonstationary flows of polymer solutions. <i>Europhysics Letters</i> , <b>2009</b> , 86, 34002	1.6	13
79	Photothermal absorption correlation spectroscopy. <i>ACS Nano</i> , <b>2009</b> , 3, 345-50	16.7	52
78	Cathepsin L digestion of nanobioconjugates upon endocytosis. <i>ACS Nano</i> , <b>2009</b> , 3, 2461-8	16.7	100
77	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
76	The excitatory postsynaptic density is a size exclusion diffusion environment. <i>Neuropharmacology</i> , <b>2009</b> , 56, 30-6	5.5	33
75	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
74	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
73	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
72	Optical Tools <b>2009</b> , 253-373		
71	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
70	Surface mobility of postsynaptic AMPARs tunes synaptic transmission. <i>Science</i> , <b>2008</b> , 320, 201-5	33.3	372
69	Robust single-molecule approach for counting autofluorescent proteins. <i>Journal of Biomedical Optics</i> , <b>2008</b> , 13, 031216	3.5	8

68	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
67	Drag enhancement with polymers. <i>Physical Review Letters</i> , <b>2008</b> , 100, 018302	7.4	32
66	Photothermal methods for single nonluminescent nano-objects. <i>Analytical Chemistry</i> , <b>2008</b> , 80, 2288-94	7.8	82
65	Tracking receptors by imaging single molecules. <i>Cold Spring Harbor Protocols</i> , <b>2008</b> , 2008, pdb.top25	1.2	2
64	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
63	Ultra-sensitive detection of individual gold nanoparticles: spectroscopy and applications to biology <b>2008</b> , 41, 139-146		11
62	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
61	Absorption spectroscopy of individual single-walled carbon nanotubes. <i>Nano Letters</i> , <b>2007</b> , 7, 1203-7	11.5	133
60	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
59	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
58	Label-free optical imaging of mitochondria in live cells. <i>Optics Express</i> , <b>2007</b> , 15, 14184-93	3.3	61
57	Lateral Diffusion of Excitatory Neurotransmitter Receptors During Synaptogenesis <b>2006</b> , 221-232		
56	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
55	Photothermal heterodyne imaging of individual metallic nanoparticles: Theory versus experiment. <i>Physical Review B</i> , <b>2006</b> , 73,	3.3	173
54	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
53	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
52	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
51	Optical readout of gold nanoparticle-based DNA microarrays without silver enhancement. <i>Biophysical Journal</i> , <b>2006</b> , 90, L13-5	2.9	46

50	Absorption and scattering microscopy of single metal nanoparticles. <i>Physical Chemistry Chemical Physics</i> , <b>2006</b> , 8, 3486-95	3.6	266
49	Absorption spectroscopy of individual nano-objects and improved readout of DNA microarrays using photothermal detection <b>2006</b> , 6092, 57		
48	Photothermal absorption spectroscopy of individual semiconductor nanocrystals. <i>Nano Letters</i> , <b>2005</b> , 5, 2160-3	11.5	75
47	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
46	Optical detection and spectroscopy of single metal nanoparticles <b>2005</b> ,		1
45	Single-photon sources. <i>Reports on Progress in Physics</i> , <b>2005</b> , 68, 1129-1179	14.4	594
44	Fluorescent silver oligomeric clusters and colloidal particles. <i>Solid State Sciences</i> , <b>2005</b> , 7, 812-818	3.4	87
43	Photothermal heterodyne imaging of individual nonfluorescent nanoclusters and nanocrystals. <i>Physical Review Letters</i> , <b>2004</b> , 93, 257402	7.4	260
42	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
41	Imaging single metal-nanoparticles in cells by photothermal interference contrast <b>2003</b> ,		2
40	Direct imaging of lateral movements of AMPA receptors inside synapses. <i>EMBO Journal</i> , <b>2003</b> , 22, 4656-65	6.5	297
39	Imaging single metal nanoparticles in scattering media by photothermal interference contrast. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2003</b> , 17, 537-540	3	9
38	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
37	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
36	Fluorescence microscopy of single autofluorescent proteins for cellular biology. <i>Comptes Rendus Physique</i> , <b>2002</b> , 3, 645-656	1.4	12
35	Photothermal imaging of nanometer-sized metal particles among scatterers. <i>Science</i> , <b>2002</b> , 297, 1160-3	33.3	778
34	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
33	Triggered Emission of Single Photons by a Single Molecule. <i>Springer Series in Chemical Physics</i> , <b>2001</b> , 99-113	11.3	1



32	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
31	Single photons on demand from a single molecule at room temperature. <i>Nature</i> , <b>2000</b> , 407, 491-3	50.4	609
30	Photon antibunching in single CdSe/ZnS quantum dot fluorescence. <i>Chemical Physics Letters</i> , <b>2000</b> , 329, 399-404	2.5	255
29	Ten Years of Single-Molecule Spectroscopy. <i>Journal of Physical Chemistry A</i> , <b>2000</b> , 104, 1-16	2.8	297
28	Non-linear optical response of single molecules. <i>Chemical Physics</i> , <b>1999</b> , 245, 121-132	2.3	14
27	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
26	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
25	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
24	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
23	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
22	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	
21	Non-linear optical measurements on single molecules in solids at low temperatures. <i>Optical Materials</i> , <b>1998</b> , 9, 381-385	3.3	
20	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
19	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
18	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
17	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
16	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
15	Single molecules of dibenzanthanthrene in n-hexadecane. <i>Journal of Chemical Physics</i> , <b>1996</b> , 105, 3969-3974	3.74	80

14	II Optical Spectroscopy of Single Molecules in Solids. <i>Progress in Optics</i> , <b>1996</b> , 35, 61-144	3.4	32
13	Dibenzanthanthrene in N-Hexadecane, Dibenzoterrylene in Naphthalene: Two New Systems for Single Molecule Spectroscopy. <i>Molecular Crystals and Liquid Crystals</i> , <b>1996</b> , 291, 41-44		9
12	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
11	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
10	Designing Optical Lattices: An Investigation with Cesium Atoms. <i>Europhysics Letters</i> , <b>1994</b> , 26, 171-176	1.6	39
9	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
8	Laser cooling and trapping of atoms: new tools for ultra-stable caesium clocks. <i>Physica Scripta</i> , <b>1994</b> , T51, 78-84	2.6	12
7	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
6	Quantized Atomic Motion in 1D Cesium Molasses with Magnetic Field. <i>Europhysics Letters</i> , <b>1993</b> , 21, 13-17	1.6	41
5	Laser-cooled cesium fountain clock: design and expected performances <b>1993</b> ,		4
4	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
3	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
2	Coherent population trapping and Fano profiles. <i>Journal De Physique II</i> , <b>1992</b> , 2, 579-592		57
1	Raman Spectroscopy of Cesium Atoms in a Laser Trap. <i>Europhysics Letters</i> , <b>1991</b> , 15, 149-154	1.6	111