

# Brahim Lounis

## List of Publications by Year in descending order

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176  
papers

14,963  
citations

19657

61  
h-index

18647

119  
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181  
docs citations

181  
times ranked

14485  
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of a nonuniform thermal quench and circular polarized radiation on spontaneous current generation in superconducting rings. <i>Physical Review B</i> , 2022, 105, .	3.2	9
2	Tailoring the superradiant and subradiant nature of two coherently coupled quantum emitters. <i>Nature Communications</i> , 2022, 13, .	12.8	21
3	Single-walled carbon nanotube reptation dynamics in submicron sized pores from randomly packed mono-sized colloids. <i>Soft Matter</i> , 2022, 18, 5509-5517.	2.7	2
4	Revealing the Exciton Fine Structure in Lead Halide Perovskite Nanocrystals. <i>Nanomaterials</i> , 2021, 11, 1058.	4.1	19
5	Inverse Faraday Effect for Superconducting Condensates. <i>Physical Review Letters</i> , 2021, 126, 137002.	7.8	13
6	Unraveling the Emission Pathways in Copper Indium Sulfide Quantum Dots. <i>ACS Nano</i> , 2021, , .	14.6	10
7	The dark exciton ground state promotes photon-pair emission in individual perovskite nanocrystals. <i>Nature Communications</i> , 2020, 11, 6001.	12.8	67
8	On-Demand Optical Generation of Single Flux Quanta. <i>Nano Letters</i> , 2020, 20, 6488-6493.	9.1	8
9	Memories in the photoluminescence intermittency of single cesium lead bromide nanocrystals. <i>Nanoscale</i> , 2020, 12, 6795-6802.	5.6	17
10	Two-level system as topological actuator for nanomechanical modes. <i>Physical Review Research</i> , 2020, 2, .	3.6	6
11	Spectroscopic signatures of spin-orbit coupling and free excitons in individual suspended carbon nanotubes. <i>Physical Review B</i> , 2019, 100, .	3.2	7
12	The ground exciton state of formamidinium lead bromide perovskite nanocrystals is a singlet dark state. <i>Nature Materials</i> , 2019, 18, 717-724.	27.5	189
13	Self-Interference (SELI) Microscopy for Live Super-Resolution Imaging and Single Particle Tracking in 3D. <i>Frontiers in Physics</i> , 2019, 7, .	2.1	12
14	<i>In-situ</i> creation and control of Josephson junctions with a laser beam. <i>Applied Physics Letters</i> , 2019, 114, .	3.3	10
15	3D optical nanoscopy with excited state saturation at liquid helium temperatures. <i>Optics Express</i> , 2019, 27, 23486.	3.4	5
16	Self-interference 3D super-resolution microscopy for deep tissue investigations. <i>Nature Methods</i> , 2018, 15, 449-454.	19.0	86
17	Comparative Analysis of Photoluminescence and Upconversion Emission from Individual Carbon Nanotubes for Bioimaging Applications. <i>ACS Photonics</i> , 2018, 5, 359-364.	6.6	33
18	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> , 2018, 130, 16326-16330.	2.0	32

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19	Chemical Cutting of Perovskite Nanowires into Single-Photon Emissive Low-Aspect-Ratio CsPbX <sub>3</sub> (X=Cl, Br, I) Nanorods. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 16094-16098.	13.8	79
20	Unraveling exciton-phonon coupling in individual FAPbI <sub>3</sub> nanocrystals emitting near-infrared single photons. <i>Nature Communications</i> , 2018, 9, 3318.	12.8	117
21	Ultrashort Carbon Nanotubes That Fluoresce Brightly in the Near-Infrared. <i>ACS Nano</i> , 2018, 12, 6059-6065.	14.6	68
22	A Solid State Source of Photon Triplets based on Quantum Dot Molecules. , 2018, , .		0
23	Neutral and Charged Exciton Fine Structure in Single Lead Halide Perovskite Nanocrystals Revealed by Magneto-optical Spectroscopy. <i>Nano Letters</i> , 2017, 17, 2895-2901.	9.1	216
24	A solid state source of photon triplets based on quantum dot molecules. <i>Nature Communications</i> , 2017, 8, 15716.	12.8	35
25	Direct visualization of carbon nanotube degradation in primary cells by photothermal imaging. <i>Nanoscale</i> , 2017, 9, 4642-4645.	5.6	25
26	Small Gold Nanorods with Tunable Absorption for Photothermal Microscopy in Cells. <i>Advanced Science</i> , 2017, 4, 1600280.	11.2	26
27	Single-nanotube tracking reveals the nanoscale organization of the extracellular space in the live brain. <i>Nature Nanotechnology</i> , 2017, 12, 238-243.	31.5	199
28	Anomalous Josephson effect controlled by an Abrikosov vortex. <i>Physical Review B</i> , 2017, 96, .	3.2	19
29	Evaluation of Different Single-Walled Carbon Nanotube Surface Coatings for Single-Particle Tracking Applications in Biological Environments. <i>Nanomaterials</i> , 2017, 7, 393.	4.1	21
30	Carrier Multiplication in a Single Semiconductor Nanocrystal. <i>Physical Review Letters</i> , 2016, 116, 106404.	7.8	41
31	Optical manipulation of single flux quanta. <i>Nature Communications</i> , 2016, 7, 12801.	12.8	65
32	Innovative molecular-based fluorescent nanoparticles for multicolor single particle tracking in cells. <i>Journal Physics D: Applied Physics</i> , 2016, 49, 084002.	2.8	14
33	Toward the suppression of cellular toxicity from single-walled carbon nanotubes. <i>Biomaterials Science</i> , 2016, 4, 230-244.	5.4	40
34	Optical detection of individual ultra-short carbon nanotubes enables their length characterization down to 10 <sup>4</sup> nm. <i>Scientific Reports</i> , 2015, 5, 17093.	3.3	19
35	Quantum optics, molecular spectroscopy and low-temperature spectroscopy: general discussion. <i>Faraday Discussions</i> , 2015, 184, 275-303.	3.2	13
36	Plasmonics, Tracking and Manipulating, and Living Cells: general discussion. <i>Faraday Discussions</i> , 2015, 184, 451-473.	3.2	9

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37	The 2015 super-resolution microscopy roadmap. <i>Journal Physics D: Applied Physics</i> , 2015, 48, 443001.	2.8	291
38	Single-molecule imaging in live cell using gold nanoparticles. <i>Methods in Cell Biology</i> , 2015, 125, 13-27.	1.1	5
39	Polarization effects in lattice-stabilized STED microscopy. <i>Faraday Discussions</i> , 2015, 184, 37-49.	3.2	8
40	Direct Evidence of Flexomagnetoelectric Effect Revealed by Single-Molecule Spectroscopy. <i>Physical Review Letters</i> , 2015, 115, 027601.	7.8	30
41	NIR-emitting molecular-based nanoparticles as new two-photon absorbing nanotools for single particle tracking. , 2015, , .		1
42	Optical nanoscopy with excited state saturation at liquid helium temperatures. <i>Nature Photonics</i> , 2015, 9, 658-662.	31.4	31
43	Superresolution techniques, biophysics with nanostructures, and fluorescence energy transfer: general discussion. <i>Faraday Discussions</i> , 2015, 184, 143-162.	3.2	1
44	Large parallelization of STED nanoscopy using optical lattices. <i>Optics Express</i> , 2014, 22, 5581.	3.4	59
45	Cryogenic single nanocrystal spectroscopy: reading the spectral fingerprint of individual CdSe quantum dots. <i>Proceedings of SPIE</i> , 2014, , .	0.8	0
46	Photothermal microscopy: optical detection of small absorbers in scattering environments. <i>Journal of Microscopy</i> , 2014, 254, 115-121.	1.8	53
47	Spectroscopy of single nanocrystals. <i>Chemical Society Reviews</i> , 2014, 43, 1311.	38.1	84
48	Tailoring the Exciton Fine Structure of Cadmium Selenide Nanocrystals with Shape Anisotropy and Magnetic Field. <i>ACS Nano</i> , 2014, 8, 11651-11656.	14.6	23
49	Nonlinear Photoluminescence Spectroscopy of Carbon Nanotubes with Localized Exciton States. <i>ACS Nano</i> , 2014, 8, 11254-11260.	14.6	48
50	Super-resolution Microscopy Approaches for Live Cell Imaging. <i>Biophysical Journal</i> , 2014, 107, 1777-1784.	0.5	205
51	State Selective Pumping Reveals Spin-Relaxation Pathways in CdSe Quantum Dots. <i>Nano Letters</i> , 2014, 14, 4480-4485.	9.1	13
52	The optical phonon spectrum of CdSe colloidal quantum dots. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 16957.	2.8	12
53	Tracking Receptors Using Individual Fluorescent and Nonfluorescent Nanolabels. <i>Cold Spring Harbor Protocols</i> , 2014, 2014, pdb.prot080416.	0.3	6
54	Advances in live-cell single-particle tracking and dynamic super-resolution imaging. <i>Current Opinion in Chemical Biology</i> , 2014, 20, 78-85.	6.1	81

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55	A Highly Specific Gold Nanoprobe for Live-Cell Single-Molecule Imaging in Confined Environments: Intracellular Tracking and Long-Term Single Integrin Tracking in Adhesion Sites. <i>Biophysical Journal</i> , 2014, 106, 193a-194a.	0.5	0
56	Using optical lattice for STED parallelization. <i>Proceedings of SPIE</i> , 2014, , .	0.8	0
57	Biexciton, single carrier, and trion generation dynamics in single-walled carbon nanotubes. <i>Physical Review B</i> , 2013, 87, .	3.2	76
58	The ultimate limit to the emission linewidth of single nanocrystals. <i>Nanotechnology</i> , 2013, 24, 465703.	2.6	12
59	Mechanism of Electrolyte-Induced Brightening in Single-Wall Carbon Nanotubes. <i>Journal of the American Chemical Society</i> , 2013, 135, 3379-3382.	13.7	37
60	Cryogenic Single-Nanocrystal Spectroscopy: Reading the Spectral Fingerprint of Individual CdSe Quantum Dots. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 609-618.	4.6	35
61	Single Molecule Detection of Nanomechanical Motion. <i>Physical Review Letters</i> , 2013, 110, 125501.	7.8	47
62	A Highly Specific Gold Nanoprobe for Live-Cell Single-Molecule Imaging. <i>Nano Letters</i> , 2013, 13, 1489-1494.	9.1	116
63	Metrological Investigation of the (6,5) Carbon Nanotube Absorption Cross Section. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 1460-1464.	4.6	49
64	Magneto-optical spectroscopy of charged CdSe nanocrystals. , 2013, , .		0
65	Identification and super-resolution imaging of ligand-activated receptor dimers in live cells. <i>Scientific Reports</i> , 2013, 3, 2387.	3.3	60
66	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> , 2012, 10, e1001361.	5.6	103
67	Comment on "Spin-Flip Limited Exciton Dephasing in CdSe/ZnS Colloidal Quantum Dots"; <i>Physical Review Letters</i> , 2012, 109, 229701; author reply 229702.	7.8	6
68	Disorder Limited Exciton Transport in Colloidal Single-Wall Carbon Nanotubes. <i>Nano Letters</i> , 2012, 12, 5091-5096.	9.1	61
69	Integrins $\beta 1$ and $\beta 3$ exhibit distinct dynamic nanoscale organizations inside focal adhesions. <i>Nature Cell Biology</i> , 2012, 14, 1057-1067.	10.3	339
70	Nanoscale Thermotropic Phase Transitions Enhancing Photothermal Microscopy Signals. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 1400-1403.	4.6	31
71	Magneto-optical properties of trions in non-blinking charged nanocrystals reveal an acoustic phonon bottleneck. <i>Nature Communications</i> , 2012, 3, 1287.	12.8	53
72	Luminescence Properties of Individual Empty and Water-Filled Single-Walled Carbon Nanotubes. <i>ACS Nano</i> , 2012, 6, 2649-2655.	14.6	66

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73	Spontaneous Spectral Diffusion in CdSe Quantum Dots. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 1716-1720.	4.6	54
74	Short Gold Nanorod Growth Revisited: The Critical Role of the Bromide Counterion. <i>ChemPhysChem</i> , 2012, 13, 193-202.	2.1	72
75	Quantum-Yield-Optimized Fluorophores for Site-Specific Labeling and Super-Resolution Imaging. <i>Journal of the American Chemical Society</i> , 2011, 133, 8090-8093.	13.7	35
76	Direct Investigation of Intracellular Presence of Gold Nanoparticles <i>via</i> Photothermal Heterodyne Imaging. <i>ACS Nano</i> , 2011, 5, 2587-2592.	14.6	84
77	Efficient Biexciton Emission in Elongated CdSe/ZnS Nanocrystals. <i>Nano Letters</i> , 2011, 11, 4370-4375.	9.1	68
78	All-Optical Trion Generation in Single-Walled Carbon Nanotubes. <i>Physical Review Letters</i> , 2011, 107, 187401.	7.8	115
79	New Route to Fluorescent Single-Walled Carbon Nanotube/Silica Nanocomposites: Balancing Fluorescence Intensity and Environmental Sensitivity. <i>Journal of Physical Chemistry C</i> , 2011, 115, 15147-15153.	3.1	17
80	Spectroscopy of neutral and charged exciton states in single CdSe/ZnS nanocrystals. <i>Applied Physics Letters</i> , 2010, 96, .	3.3	56
81	Brownian Motion of Stiff Filaments in a Crowded Environment. <i>Science</i> , 2010, 330, 1804-1807.	12.6	123
82	Indistinguishable near-infrared single photons from an individual organic molecule. <i>Physical Review A</i> , 2010, 82, .	2.5	29
83	Band-Edge Exciton Fine Structure of Single $\text{CdSe/ZnS}$ Nanocrystals in External Magnetic Fields. <i>Physical Review Letters</i> , 2010, 105, 157402.	7.8	62
84	Intracellular Delivery and Fate of Peptide-Capped Gold Nanoparticles. <i>Biophysical Journal</i> , 2010, 98, 203a.	0.5	1
85	Mono- and Biexponential Luminescence Decays of Individual Single-Walled Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , 2010, 114, 14025-14028.	3.1	46
86	Spectroscopy of the two Lowest Exciton Zero-Phonon Lines in Single CdSe/ZnS Nanocrystals. <i>Journal of Physics: Conference Series</i> , 2010, 245, 012057.	0.4	0
87	Diameter-Dependent Solubility of Single-Walled Carbon Nanotubes. <i>ACS Nano</i> , 2010, 4, 3063-3072.	14.6	65
88	Polymer conformations and hysteretic stresses in nonstationary flows of polymer solutions. <i>Europhysics Letters</i> , 2009, 86, 34002.	2.0	15
89	Photothermal Absorption Correlation Spectroscopy. <i>ACS Nano</i> , 2009, 3, 345-350.	14.6	55
90	Cathepsin L Digestion of Nanobioconjugates upon Endocytosis. <i>ACS Nano</i> , 2009, 3, 2461-2468.	14.6	110

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91	Endocytic Trafficking and Recycling Maintain a Pool of Mobile Surface AMPA Receptors Required for Synaptic Potentiation. <i>Neuron</i> , 2009, 63, 92-105.	8.1	262
92	The excitatory postsynaptic density is a size exclusion diffusion environment. <i>Neuropharmacology</i> , 2009, 56, 30-36.	4.1	40
93	Efficient generation of near infra-red single photons from the zero-phonon line of a single molecule. <i>Optics Express</i> , 2009, 17, 23986.	3.4	45
94	Direct Observation of the Two Lowest Exciton Zero-Phonon Lines in Single $\text{CdSe/ZnS}$ Nanocrystals. <i>Physical Review Letters</i> , 2009, 103, 037404.	7.8	117
95	Environmental and Synthesis-Dependent Luminescence Properties of Individual Single-Walled Carbon Nanotubes. <i>ACS Nano</i> , 2009, 3, 2153-2156.	14.6	49
96	Optical Tools. , 2009, , 253-373.		0
97	Ultra-sensitive detection of individual gold nanoparticles: spectroscopy and applications to biology. <i>Gold Bulletin</i> , 2008, 41, 139-146.	2.7	13
98	Probing the Dynamics of Protein-Protein Interactions at Neuronal Contacts by Optical Imaging. <i>Chemical Reviews</i> , 2008, 108, 1565-1587.	47.7	56
99	Surface Mobility of Postsynaptic AMPARs Tunes Synaptic Transmission. <i>Science</i> , 2008, 320, 201-205.	12.6	433
100	Robust single-molecule approach for counting autofluorescent proteins. <i>Journal of Biomedical Optics</i> , 2008, 13, 031216.	2.6	9
101	Luminescence Decay and the Absorption Cross Section of Individual Single-Walled Carbon Nanotubes. <i>Physical Review Letters</i> , 2008, 101, 077402.	7.8	158
102	Drag Enhancement with Polymers. <i>Physical Review Letters</i> , 2008, 100, 018302.	7.8	39
103	Photothermal Methods for Single Nonluminescent Nano-Objects. <i>Analytical Chemistry</i> , 2008, 80, 2288-2294.	6.5	97
104	Photothermal detection and tracking of individual non-fluorescent nano-objects in live cells. , 2008, , .		0
105	Tracking Receptors by Imaging Single Molecules: Figure 1.. <i>Cold Spring Harbor Protocols</i> , 2008, 2008, pdb.top25.	0.3	2
106	Velocity Profiles of Water Flowing Past Solid Glass Surfaces Using Fluorescent Nanoparticles and Molecules as Velocity Probes. <i>Physical Review Letters</i> , 2008, 100, 214502.	7.8	48
107	Single-molecule spectroscopy as a possible tool to study the electric field in superconductors. <i>Europhysics Letters</i> , 2007, 77, 17005.	2.0	4
108	Surface Trafficking of Neurotransmitter Receptor: Comparison between Single-Molecule/Quantum Dot Strategies. <i>Journal of Neuroscience</i> , 2007, 27, 12433-12437.	3.6	179

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109	Label-free optical imaging of mitochondria in live cells. Optics Express, 2007, 15, 14184.	3.4	69
110	Laser-Induced Resonance Shifts of Single Molecules Self-Coupled by a Metallic Surface. Physical Review Letters, 2007, 98, 143003.	7.8	6
111	Absorption Spectroscopy of Individual Single-Walled Carbon Nanotubes. Nano Letters, 2007, 7, 1203-1207.	9.1	154
112	Multiple Routes for Glutamate Receptor Trafficking: Surface Diffusion and Membrane Traffic Cooperate to Bring Receptors to Synapses. Science Signaling, 2006, 2006, pe13-pe13.	3.6	41
113	Single Nanoparticle Photothermal Tracking (SNaPT) of 5-nm Gold Beads in Live Cells. Biophysical Journal, 2006, 91, 4598-4604.	0.5	223
114	Optical Readout of Gold Nanoparticle-Based DNA Microarrays without Silver Enhancement. Biophysical Journal, 2006, 90, L13-L15.	0.5	53
115	Absorption and scattering microscopy of single metal nanoparticles. Physical Chemistry Chemical Physics, 2006, 8, 3486.	2.8	308
116	Single molecule CdSe/ZnS quantum dot and gold nanoparticle detection in live neurons. , 2006, , .		0
117	Absorption spectroscopy of individual nano-objects and improved readout of DNA microarrays using photothermal detection. , 2006, 6092, 57.		0
118	Lateral Diffusion of Excitatory Neurotransmitter Receptors During Synaptogenesis. , 2006, , 221-232.		0
119	High resolution resonant photoluminescence excitation of CdSe/ZnS nanocrystals at low temperatures. Applied Physics Letters, 2006, 88, 223110.	3.3	3
120	Photothermal absorption spectroscopy of individual gold nanoparticles and CdSe/ZnS semiconductor nanocrystals. , 2006, , .		0
121	Photothermal heterodyne imaging of individual metallic nanoparticles: Theory versus experiment. Physical Review B, 2006, 73, .	3.2	207
122	NMDA receptor surface mobility depends on NR2A-2B subunits. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 18769-18774.	7.1	306
123	Optical detection and spectroscopy of single metal nanoparticles. , 2005, , .		1
124	Single-photon sources. Reports on Progress in Physics, 2005, 68, 1129-1179.	20.1	728
125	Fluorescent silver oligomeric clusters and colloidal particles. Solid State Sciences, 2005, 7, 812-818.	3.2	95
126	Photothermal Absorption Spectroscopy of Individual Semiconductor Nanocrystals. Nano Letters, 2005, 5, 2160-2163.	9.1	89



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127	Observation of Intrinsic Size Effects in the Optical Response of Individual Gold Nanoparticles. Nano Letters, 2005, 5, 515-518.	9.1	380
128	Single semiconductor nanocrystals luminescence decay and photon statistics. , 2004, , IThJ3.		0
129	Photothermal Heterodyne Imaging of Individual Nonfluorescent Nanoclusters and Nanocrystals. Physical Review Letters, 2004, 93, 257402.	7.8	302
130	Differential activity-dependent regulation of the lateral mobilities of AMPA and NMDA receptors. Nature Neuroscience, 2004, 7, 695-696.	14.8	366
131	DÉcroissance de la luminescence de quantum dots uniques de CdSe/ZnS : Étude en fonction de la température. European Physical Journal Special Topics, 2004, 119, 213-214.	0.2	0
132	Direct imaging of lateral movements of AMPA receptors inside synapses. EMBO Journal, 2003, 22, 4656-4665.	7.8	330
133	Imaging single metal nanoparticles in scattering media by photothermal interference contrast. Physica E: Low-Dimensional Systems and Nanostructures, 2003, 17, 537-540.	2.7	11
134	Single metallic nanoparticle imaging for protein detection in cells. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 11350-11355.	7.1	338
135	Temperature Dependence of the Luminescence Lifetime of Single CdSe/ZnS Quantum Dots. Physical Review Letters, 2003, 90, 257404.	7.8	318
136	Imaging single metal-nanoparticles in cells by photothermal interference contrast. , 2003, , .		2
137	Photothermal Imaging of Nanometer-Sized Metal Particles Among Scatterers. Science, 2002, 297, 1160-1163.	12.6	905
138	Fluorescence microscopy of single autofluorescent proteins for cellular biology. Comptes Rendus Physique, 2002, 3, 645-656.	0.9	13
139	Photophysics of DsRed, a Red Fluorescent Protein, from the Ensemble to the Single-Molecule Level. Journal of Physical Chemistry B, 2001, 105, 5048-5054.	2.6	97
140	Triggered emission of single photons by a single molecule. AIP Conference Proceedings, 2001, , .	0.4	0
141	Triggered Emission of Single Photons by a Single Molecule. Springer Series in Chemical Physics, 2001, , 99-113.	0.2	1
142	Optical spectroscopy of single molecules: application to nonlinear and quantum optics. Journal of Luminescence, 2000, 87-89, 105-108.	3.1	2
143	Single photons on demand from a single molecule at room temperature. Nature, 2000, 407, 491-493.	27.8	700
144	Photon antibunching in single CdSe/ZnS quantum dot fluorescence. Chemical Physics Letters, 2000, 329, 399-404.	2.6	301

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145	Ten Years of Single-Molecule Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2000, 104, 1-16.	2.5	327
146	Une source déclenchée de photons uniques basée sur le contrôle de la fluorescence de molécules individuelles. <i>European Physical Journal Special Topics</i> , 2000, 10, Pr8-13.	0.2	0
147	Non-linear optical response of single molecules. <i>Chemical Physics</i> , 1999, 245, 121-132.	1.9	16
148	Are the spectral trails of single molecules consistent with the standard two-level system model of glasses at low temperatures?. <i>Chemical Physics</i> , 1999, 247, 119-132.	1.9	126
149	Spectroscopic characteristics of single dibenzanthanthrene molecules isolated in a low-temperature naphthalene matrix. <i>Journal of Applied Spectroscopy</i> , 1999, 66, 344-352.	0.7	3
150	Triggered Source of Single Photons based on Controlled Single Molecule Fluorescence. <i>Physical Review Letters</i> , 1999, 83, 2722-2725.	7.8	396
151	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> , 1999, 103, 2429-2434.	2.5	54
152	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> , 1998, 326, 911-918.	0.1	4
153	Non-linear optical spectroscopy of single molecules in solids at low temperatures. <i>Journal of Luminescence</i> , 1998, 76-77, 274-278.	3.1	0
154	Non-linear optical measurements on single molecules in solids at low temperatures. <i>Optical Materials</i> , 1998, 9, 381-385.	3.6	0
155	Perylene in biphenyl and anthracene crystals: an example of the influence of the host on single-molecule signals. <i>Chemical Physics</i> , 1998, 233, 117-125.	1.9	31
156	Rabi Resonances of a Single Molecule Driven by rf and Laser Fields. <i>Physical Review Letters</i> , 1998, 81, 2679-2682.	7.8	46
157	Pump-probe spectroscopy and photophysical properties of single di-benzanthanthrene molecules in a naphthalene crystal. <i>Journal of Chemical Physics</i> , 1997, 107, 1692-1702.	3.0	59
158	Single Molecules Driven by Strong Resonant Fields: Hyper-Raman and Subharmonic Resonances. <i>Physical Review Letters</i> , 1997, 78, 3673-3676.	7.8	58
159	Single molecules of dibenzanthanthrene in n-hexadecane. <i>Journal of Chemical Physics</i> , 1996, 105, 3969-3974.	3.0	88
160	II Optical Spectroscopy of Single Molecules in Solids. <i>Progress in Optics</i> , 1996, 35, 61-144.	0.6	35
161	Dibenzanthanthrene in N-Hexadecane, Dibenzoterrylene in Naphthalene: Two New Systems for Single Molecule Spectroscopy. <i>Molecular Crystals and Liquid Crystals</i> , 1996, 291, 41-44.	0.3	9
162	Dibenzoterrylene in Naphthalene: A New Crystalline System for Single Molecule Spectroscopy in the Near Infrared. <i>The Journal of Physical Chemistry</i> , 1996, 100, 13892-13894.	2.9	40

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163	Fluorescence spectra of single pentacene molecules in p-terphenyl at 1.7 K. Chemical Physics Letters, 1995, 236, 87-95.	2.6	65
164	Pump-Probe Experiments with a Single Molecule: ac-Stark Effect and Nonlinear Optical Response. Physical Review Letters, 1995, 75, 1514-1517.	7.8	88
165	Designing Optical Lattices: An Investigation with Cesium Atoms. Europhysics Letters, 1994, 26, 171-176.	2.0	46
166	Recoil-induced resonances in cesium: An atomic analog to the free-electron laser. Physical Review Letters, 1994, 72, 3017-3020.	7.8	127
167	Laser cooling and trapping of atoms: new tools for ultra-stable caesium clocks. Physica Scripta, 1994, T51, 78-84.	2.5	16
168	Quantized motion of cold cesium atoms in two- and three-dimensional optical potentials. Physical Review Letters, 1993, 70, 2249-2252.	7.8	297
169	Quantized Atomic Motion in 1D Cesium Molasses with Magnetic Field. Europhysics Letters, 1993, 21, 13-17.	2.0	44
170	Laser-cooled cesium fountain clock: design and expected performances. , 1993, , .		7
171	Measurement of the friction coefficient in 1D corkscrew optical molasses by stimulated Rayleigh spectroscopy. Physical Review Letters, 1992, 69, 3029-3032.	7.8	23
172	Dynamics and spatial order of cold cesium atoms in a periodic optical potential. Physical Review Letters, 1992, 68, 3861-3864.	7.8	263
173	Coherent population trapping and Fano profiles. Journal De Physique II, 1992, 2, 579-592.	0.9	63
174	Raman Spectroscopy of Cesium Atoms in a Laser Trap. Europhysics Letters, 1991, 15, 149-154.	2.0	121
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