Brahim Lounis

List of Publications by Year
in descending order

176	14,963	19657 61	18647 119
papers	citations	h-index	g-index

181	181	181	14485
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Photothermal Imaging of Nanometer-Sized Metal Particles Among Scatterers. Science, 2002, 297, 1160-1163.	12.6	905
2	Single-photon sources. Reports on Progress in Physics, 2005, 68, 1129-1179.	20.1	728
3	Single photons on demand from a single molecule at room temperature. Nature, 2000, 407, 491-493.	27.8	700
4	Surface Mobility of Postsynaptic AMPARs Tunes Synaptic Transmission. Science, 2008, 320, 201-205.	12.6	433
5	Triggered Source of Single Photons based on Controlled Single Molecule Fluorescence. Physical Review Letters, 1999, 83, 2722-2725.	7.8	396
6	Observation of Intrinsic Size Effects in the Optical Response of Individual Gold Nanoparticles. Nano Letters, 2005, 5, 515-518.	9.1	380
7	Differential activity-dependent regulation of the lateral mobilities of AMPA and NMDA receptors. Nature Neuroscience, 2004, 7, 695-696.	14.8	366
8	Integrins Î²1 and Î²3 exhibit distinct dynamic nanoscale organizations inside focal adhesions. Nature Cell Biology, 2012, 14, 1057-1067.	10.3	339
9	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
10	Direct imaging of lateral movements of AMPA receptors inside synapses. EMBO Journal, 2003, 22, 4656-4665.	7.8	330
11	Ten Years of Single-Molecule Spectroscopy. Journal of Physical Chemistry A, 2000, 104, 1-16.	2.5	327
12	Temperature Dependence of the Luminescence Lifetime of SingleCdSe/ZnSQuantum Dots. Physical Review Letters, 2003, 90, 257404.	7.8	318
13	Absorption and scattering microscopy of single metal nanoparticles. Physical Chemistry Chemical Physics, 2006, 8, 3486.	2.8	308
14	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
15	Photothermal Heterodyne Imaging of Individual Nonfluorescent Nanoclusters and Nanocrystals. Physical Review Letters, 2004, 93, 257402.	7.8	302
16	Photon antibunching in single CdSe/ZnS quantum dot fluorescence. Chemical Physics Letters, 2000, 329, 399-404.	2.6	301
17	Quantized motion of cold cesium atoms in two- and three-dimensional optical potentials. Physical Review Letters, 1993, 70, 2249-2252.	7.8	297
18	The 2015 super-resolution microscopy roadmap. Journal Physics D: Applied Physics, 2015, 48, 443001.	2.8	291

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19	Dynamics and spatial order of cold cesium atoms in a periodic optical potential. Physical Review Letters, 1992, 68, 3861-3864.	7.8	263
20	Endocytic Trafficking and Recycling Maintain a Pool of Mobile Surface AMPA Receptors Required for Synaptic Potentiation. Neuron, 2009, 63, 92-105.	8.1	262
21	Single Nanoparticle Photothermal Tracking (SNaPT) of 5-nm Gold Beads in Live Cells. Biophysical Journal, 2006, 91, 4598-4604.	0.5	223
22	Neutral and Charged Exciton Fine Structure in Single Lead Halide Perovskite Nanocrystals Revealed by Magneto-optical Spectroscopy. Nano Letters, 2017, 17, 2895-2901.	9.1	216
23	Photothermal heterodyne imaging of individual metallic nanoparticles: Theory versus experiment. Physical Review B, 2006, 73, .	3.2	207
24	Super-resolution Microscopy Approaches for Live Cell Imaging. Biophysical Journal, 2014, 107, 1777-1784.	0.5	205
25	Single-nanotube tracking reveals the nanoscale organization of the extracellular space in the live brain. Nature Nanotechnology, 2017, 12, 238-243.	31.5	199
26	The ground exciton state of formamidinium lead bromide perovskite nanocrystals is a singlet dark state. Nature Materials, 2019, 18, 717-724.	27.5	189
27	Surface Trafficking of Neurotransmitter Receptor: Comparison between Single-Molecule/Quantum Dot Strategies. Journal of Neuroscience, 2007, 27, 12433-12437.	3.6	179
28	Luminescence Decay and the Absorption Cross Section of Individual Single-Walled Carbon Nanotubes. Physical Review Letters, 2008, 101, 077402.	7.8	158
29	Absorption Spectroscopy of Individual Single-Walled Carbon Nanotubes. Nano Letters, 2007, 7, 1203-1207.	9.1	154
30	Recoil-induced resonances in cesium: An atomic analog to the free-electron laser. Physical Review Letters, 1994, 72, 3017-3020.	7.8	127
31	Are the spectral trails of single molecules consistent with the standard two-level system model of glasses at low temperatures?. Chemical Physics, 1999, 247, 119-132.	1.9	126
32	Brownian Motion of Stiff Filaments in a Crowded Environment. Science, 2010, 330, 1804-1807.	12.6	123
33	Raman Spectroscopy of Cesium Atoms in a Laser Trap. Europhysics Letters, 1991, 15, 149-154.	2.0	121
34	Direct Observation of the Two Lowest Exciton Zero-Phonon Lines in Single<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>CdSe</mml:mi><mml:mo>/</mml:mo><mml:mi>ZnS</mml:mi></mml:math>Nanocrystals. Physical Review Letters, 2009, 103, 037404.	7.8	117
35	Unraveling excitonâ€“phonon coupling in individual FAPbI3 nanocrystals emitting near-infrared single photons. Nature Communications, 2018, 9, 3318.	12.8	117
36	A Highly Specific Gold Nanoprobe for Live-Cell Single-Molecule Imaging. Nano Letters, 2013, 13, 1489-1494.	9.1	116

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37	All-Optical Trion Generation in Single-Walled Carbon Nanotubes. Physical Review Letters, 2011, 107, 187401.	7.8	115
38	Cathepsin L Digestion of Nanobioconjugates upon Endocytosis. ACS Nano, 2009, 3, 2461-2468.	14.6	110
39	Transport of Fibroblast Growth Factor 2 in the Pericellular Matrix Is Controlled by the Spatial Distribution of Its Binding Sites in Heparan Sulfate. PLoS Biology, 2012, 10, e1001361.	5.6	103
40	Photophysics ofDsRed, a Red Fluorescent Protein, from the Ensemble to the Single-Molecule Level. Journal of Physical Chemistry B, 2001, 105, 5048-5054.	2.6	97
41	Photothermal Methods for Single Nonluminescent Nano-Objects. Analytical Chemistry, 2008, 80, 2288-2294.	6.5	97
42	Fluorescent silver oligomeric clusters and colloidal particles. Solid State Sciences, 2005, 7, 812-818.	3.2	95
43	Photothermal Absorption Spectroscopy of Individual Semiconductor Nanocrystals. Nano Letters, 2005, 5, 2160-2163.	9.1	89
44	Pump-Probe Experiments with a Single Molecule: ac-Stark Effect and Nonlinear Optical Response. Physical Review Letters, 1995, 75, 1514-1517.	7.8	88
45	Single molecules of dibenzanthanthrene in nâ€hexadecane. Journal of Chemical Physics, 1996, 105, 3969-3974.	3.0	88
46	Self-interference 3D super-resolution microscopy for deep tissue investigations. Nature Methods, 2018, 15, 449-454.	19.0	86
47	Direct Investigation of Intracellular Presence of Gold Nanoparticles via Photothermal Heterodyne Imaging. ACS Nano, 2011, 5, 2587-2592.	14.6	84
48	Spectroscopy of single nanocrystals. Chemical Society Reviews, 2014, 43, 1311.	38.1	84
49	Advances in live-cell single-particle tracking and dynamic super-resolution imaging. Current Opinion in Chemical Biology, 2014, 20, 78-85.	6.1	81
50	Chemical Cutting of Perovskite Nanowires into Singleâ€Photon Emissive Lowâ€Aspectâ€Ratio CsPbX₃ (X=Cl, Br, I) Nanorods. Angewandte Chemie - International Edition, 2018, 57, 16094-16098.	13.8	79
51	Biexciton, single carrier, and trion generation dynamics in single-walled carbon nanotubes. Physical Review B, 2013, 87, .	3.2	76
52	Short Gold Nanorod Growth Revisited: The Critical Role of the Bromide Counterion. ChemPhysChem, 2012, 13, 193-202.	2.1	72
53	Label-free optical imaging of mitochondria in live cells. Optics Express, 2007, 15, 14184.	3.4	69
54	Efficient Biexciton Emission in Elongated CdSe/ZnS Nanocrystals. Nano Letters, 2011, 11, 4370-4375.	9.1	68

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55	Ultrashort Carbon Nanotubes That Fluoresce Brightly in the Near-Infrared. ACS Nano, 2018, 12, 6059-6065.	14.6	68
56	The dark exciton ground state promotes photon-pair emission in individual perovskite nanocrystals. Nature Communications, 2020, 11, 6001.	12.8	67
57	Luminescence Properties of Individual Empty and Water-Filled Single-Walled Carbon Nanotubes. ACS Nano, 2012, 6, 2649-2655.	14.6	66
58	Fluorescence spectra of single pentacene molecules in p-terphenyl at 1.7 K. Chemical Physics Letters, 1995, 236, 87-95.	2.6	65
59	Diameter-Dependent Solubility of Single-Walled Carbon Nanotubes. ACS Nano, 2010, 4, 3063-3072.	14.6	65
60	Optical manipulation of single flux quanta. Nature Communications, 2016, 7, 12801.	12.8	65
61	Coherent population trapping and Fano profiles. Journal De Physique II, 1992, 2, 579-592.	0.9	63
62	Band-Edge Exciton Fine Structure of Single<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>CdSe</mml:mi><mml:mo>/</mml:mo><mml:mi>ZnS</mml:mi></mml:math>Nanocrystals in External Magnetic Fields. Physical Review Letters, 2010, 105, 157402.	7.8	62
63	Disorder Limited Exciton Transport in Colloidal Single-Wall Carbon Nanotubes. Nano Letters, 2012, 12, 5091-5096.	9.1	61
64	Identification and super-resolution imaging of ligand-activated receptor dimers in live cells. Scientific Reports, 2013, 3, 2387.	3.3	60
65	Pumpâ€“probe spectroscopy and photophysical properties of single di-benzanthanthrene molecules in a naphthalene crystal. Journal of Chemical Physics, 1997, 107, 1692-1702.	3.0	59
66	Large parallelization of STED nanoscopy using optical lattices. Optics Express, 2014, 22, 5581.	3.4	59
67	Single Molecules Driven by Strong Resonant Fields: Hyper-Raman and Subharmonic Resonances. Physical Review Letters, 1997, 78, 3673-3676.	7.8	58
68	Probing the Dynamics of Proteinâ€“Protein Interactions at Neuronal Contacts by Optical Imaging. Chemical Reviews, 2008, 108, 1565-1587.	47.7	56
69	Spectroscopy of neutral and charged exciton states in single CdSe/ZnS nanocrystals. Applied Physics Letters, 2010, 96, .	3.3	56
70	Photothermal Absorption Correlation Spectroscopy. ACS Nano, 2009, 3, 345-350.	14.6	55
71	Stark Effect on Single Molecules of Dibenzanthanthrene in a Naphthalene Crystal and in a n-Hexadecane Shpol'skii Matrix. Journal of Physical Chemistry A, 1999, 103, 2429-2434.	2.5	54
72	Spontaneous Spectral Diffusion in CdSe Quantum Dots. Journal of Physical Chemistry Letters, 2012, 3, 1716-1720.	4.6	54

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73	Optical Readout of Gold Nanoparticle-Based DNA Microarrays without Silver Enhancement. Biophysical Journal, 2006, 90, L13-L15.	0.5	53
74	Magneto-optical properties of trions in non-blinking charged nanocrystals reveal an acoustic phonon bottleneck. Nature Communications, 2012, 3, 1287.	12.8	53
75	Photothermal microscopy: optical detection of small absorbers in scattering environments. Journal of Microscopy, 2014, 254, 115-121.	1.8	53
76	Environmental and Synthesis-Dependent Luminescence Properties of Individual Single-Walled Carbon Nanotubes. ACS Nano, 2009, 3, 2153-2156.	14.6	49
77	Metrological Investigation of the (6,5) Carbon Nanotube Absorption Cross Section. Journal of Physical Chemistry Letters, 2013, 4, 1460-1464.	4.6	49
78	Velocity Profiles of Water Flowing Past Solid Glass Surfaces Using Fluorescent Nanoparticles and Molecules as Velocity Probes. Physical Review Letters, 2008, 100, 214502.	7.8	48
79	Nonlinear Photoluminescence Spectroscopy of Carbon Nanotubes with Localized Exciton States. ACS Nano, 2014, 8, 11254-11260.	14.6	48
80	Single Molecule Detection of Nanomechanical Motion. Physical Review Letters, 2013, 110, 125501.	7.8	47
81	Designing Optical Lattices: An Investigation with Cesium Atoms. Europhysics Letters, 1994, 26, 171-176.	2.0	46
82	Rabi Resonances of a Single Molecule Driven by rf and Laser Fields. Physical Review Letters, 1998, 81, 2679-2682.	7.8	46
83	Mono- and Biexponential Luminescence Decays of Individual Single-Walled Carbon Nanotubes. Journal of Physical Chemistry C, 2010, 114, 14025-14028.	3.1	46
84	Efficient generation of near infra-red single photons from the zero-phonon line of a single molecule. Optics Express, 2009, 17, 23986.	3.4	45
85	Quantized Atomic Motion in 1D Cesium Molasses with Magnetic Field. Europhysics Letters, 1993, 21, 13-17.	2.0	44
86	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
87	Carrier Multiplication in a Single Semiconductor Nanocrystal. Physical Review Letters, 2016, 116, 106404.	7.8	41
88	Dibenzoterrylene in Naphthalene:Â A New Crystalline System for Single Molecule Spectroscopy in the Near Infrared. The Journal of Physical Chemistry, 1996, 100, 13892-13894.	2.9	40
89	The excitatory postsynaptic density is a size exclusion diffusion environment. Neuropharmacology, 2009, 56, 30-36.	4.1	40
90	Toward the suppression of cellular toxicity from single-walled carbon nanotubes. Biomaterials Science, 2016, 4, 230-244.	5.4	40

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91	Drag Enhancement with Polymers. Physical Review Letters, 2008, 100, 018302.	7.8	39
92	Mechanism of Electrolyte-Induced Brightening in Single-Wall Carbon Nanotubes. Journal of the American Chemical Society, 2013, 135, 3379-3382.	13.7	37
93	II Optical Spectroscopy of Single Molecules in Solids. Progress in Optics, 1996, 35, 61-144.	0.6	35
94	Quantum-Yield-Optimized Fluorophores for Site-Specific Labeling and Super-Resolution Imaging. Journal of the American Chemical Society, 2011, 133, 8090-8093.	13.7	35
95	Cryogenic Single-Nanocrystal Spectroscopy: Reading the Spectral Fingerprint of Individual CdSe Quantum Dots. Journal of Physical Chemistry Letters, 2013, 4, 609-618.	4.6	35
96	A solid state source of photon triplets based on quantum dot molecules. Nature Communications, 2017, 8, 15716.	12.8	35
97	Comparative Analysis of Photoluminescence and Upconversion Emission from Individual Carbon Nanotubes for Bioimaging Applications. ACS Photonics, 2018, 5, 359-364.	6.6	33
98	Chemical Cutting of Perovskite Nanowires into Singleâ€Photon Emissive Lowâ€Aspectâ€Ratio CsPbX₃ (X=Cl, Br, I) Nanorods. Angewandte Chemie, 2018, 130, 16326-16330.	2.0	32
99	Perylene in biphenyl and anthracene crystals: an example of the influence of the host on single-molecule signals. Chemical Physics, 1998, 233, 117-125.	1.9	31
100	Nanoscale Thermotropic Phase Transitions Enhancing Photothermal Microscopy Signals. Journal of Physical Chemistry Letters, 2012, 3, 1400-1403.	4.6	31
101	Optical nanoscopy with excited state saturation at liquid helium temperatures. Nature Photonics, 2015, 9, 658-662.	31.4	31
102	Direct Evidence of Flexomagnetoelectric Effect Revealed by Single-Molecule Spectroscopy. Physical Review Letters, 2015, 115, 027601.	7.8	30
103	Indistinguishable near-infrared single photons from an individual organic molecule. Physical Review A, 2010, 82, .	2.5	29
104	Small Gold Nanorods with Tunable Absorption for Photothermal Microscopy in Cells. Advanced Science, 2017, 4, 1600280.	11.2	26
105	Direct visualization of carbon nanotube degradation in primary cells by photothermal imaging. Nanoscale, 2017, 9, 4642-4645.	5.6	25
106	Measurement of the friction coefficient in 1D corkscrew optical molasses by stimulated Rayleigh spectroscopy. Physical Review Letters, 1992, 69, 3029-3032.	7.8	23
107	Tailoring the Exciton Fine Structure of Cadmium Selenide Nanocrystals with Shape Anisotropy and Magnetic Field. ACS Nano, 2014, 8, 11651-11656.	14.6	23
108	Evaluation of Different Single-Walled Carbon Nanotube Surface Coatings for Single-Particle Tracking Applications in Biological Environments. Nanomaterials, 2017, 7, 393.	4.1	21

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109	Tailoring the superradiant and subradiant nature of two coherently coupled quantum emitters. Nature Communications, 2022, 13, .	12.8	21
110	Optical detection of individual ultra-short carbon nanotubes enables their length characterization down to 10â€‰nm. Scientific Reports, 2015, 5, 17093.	3.3	19
111	Anomalous Josephson effect controlled by an Abrikosov vortex. Physical Review B, 2017, 96, .	3.2	19
112	Revealing the Exciton Fine Structure in Lead Halide Perovskite Nanocrystals. Nanomaterials, 2021, 11, 1058.	4.1	19
113	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.	3.1	17
114	Memories in the photoluminescence intermittency of single cesium lead bromide nanocrystals. Nanoscale, 2020, 12, 6795-6802.	5.6	17
115	Laser cooling and trapping of atoms: new tools for ultra-stable caesium clocks. Physica Scripta, 1994, T51, 78-84.	2.5	16
116	Non-linear optical response of single molecules. Chemical Physics, 1999, 245, 121-132.	1.9	16
117	Polymer conformations and hysteretic stresses in nonstationary flows of polymer solutions. Europhysics Letters, 2009, 86, 34002.	2.0	15
118	Innovative molecular-based fluorescent nanoparticles for multicolor single particle tracking in cells. Journal Physics D: Applied Physics, 2016, 49, 084002.	2.8	14
119	Fluorescence microscopy of single autofluorescent proteins for cellular biology. Comptes Rendus Physique, 2002, 3, 645-656.	0.9	13
120	Ultra-sensitive detection of individual gold nanoparticles: spectroscopy and applications to biology. Gold Bulletin, 2008, 41, 139-146.	2.7	13
121	State Selective Pumping Reveals Spin-Relaxation Pathways in CdSe Quantum Dots. Nano Letters, 2014, 14, 4480-4485.	9.1	13
122	Quantum optics, molecular spectroscopy and low-temperature spectroscopy: general discussion. Faraday Discussions, 2015, 184, 275-303.	3.2	13
123	Inverse Faraday Effect for Superconducting Condensates. Physical Review Letters, 2021, 126, 137002.	7.8	13
124	The ultimate limit to the emission linewidth of single nanocrystals. Nanotechnology, 2013, 24, 465703.	2.6	12
125	The optical phonon spectrum of CdSe colloidal quantum dots. Physical Chemistry Chemical Physics, 2014, 16, 16957.	2.8	12
126	Self-Interference (SELFI) Microscopy for Live Super-Resolution Imaging and Single Particle Tracking in 3D. Frontiers in Physics, 2019, 7, .	2.1	12

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127	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
128	In-situ creation and control of Josephson junctions with a laser beam. Applied Physics Letters, 2019, 114, .	3.3	10
129	Unraveling the Emission Pathways in Copper Indium Sulfide Quantum Dots. ACS Nano, 2021, , .	14.6	10
130	Dibenzanthanthrene in N-Hexadecane, Dibenzoterrylene in Naphthalene: Two New Systems for Single Molecule Spectroscopy. Molecular Crystals and Liquid Crystals, 1996, 291, 41-44.	0.3	9
131	Robust single-molecule approach for counting autofluorescent proteins. Journal of Biomedical Optics, 2008, 13, 031216.	2.6	9
132	Plasmonics, Tracking and Manipulating, and Living Cells: general discussion. Faraday Discussions, 2015, 184, 451-473.	3.2	9
133	Influence of a nonuniform thermal quench and circular polarized radiation on spontaneous current generation in superconducting rings. Physical Review B, 2022, 105, .	3.2	9
134	Polarization effects in latticeâ€“STED microscopy. Faraday Discussions, 2015, 184, 37-49.	3.2	8
135	On-Demand Optical Generation of Single Flux Quanta. Nano Letters, 2020, 20, 6488-6493.	9.1	8
136	Laser-cooled cesium fountain clock: design and expected performances. , 1993, , .		7
137	Spectroscopic signatures of spin-orbit coupling and free excitons in individual suspended carbon nanotubes. Physical Review B, 2019, 100, .	3.2	7
138	Laser-Induced Resonance Shifts of Single Molecules Self-Coupled by a Metallic Surface. Physical Review Letters, 2007, 98, 143003.	7.8	6
139	Comment on â€œSpin-Flip Limited Exciton Dephasing inCdSe/ZnSColloidal Quantum Dotsâ€• Physical Review Letters, 2012, 109, 229701; author reply 229702.	7.8	6
140	Tracking Receptors Using Individual Fluorescent and Nonfluorescent Nanolabels. Cold Spring Harbor Protocols, 2014, 2014, pdb.prot080416.	0.3	6
141	Two-level system as topological actuator for nanomechanical modes. Physical Review Research, 2020, 2, .	3.6	6
142	Single-molecule imaging in live cell using gold nanoparticles. Methods in Cell Biology, 2015, 125, 13-27.	1.1	5
143	3D optical nanoscopy with excited state saturation at liquid helium temperatures. Optics Express, 2019, 27, 23486.	3.4	5
144	Driving the Bloch vector of a single molecule: towards a triggered single photon source. Comptes Rendus De L'Academie De Sciences - Serie IIb: Mecanique, Physique, Chimie, Astronomie, 1998, 326, 911-918.	0.1	4

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145	Single-molecule spectroscopy as a possible tool to study the electric field in superconductors. Europhysics Letters, 2007, 77, 17005.	2.0	4
146	Spectroscopic characteristics of single dibenzanthanthrene molecules isolated in a low-temperature naphthalene matrix. Journal of Applied Spectroscopy, 1999, 66, 344-352.	0.7	3
147	High resolution resonant photoluminescence excitation of CdSeâ^•ZnS nanocrystals at low temperatures. Applied Physics Letters, 2006, 88, 223110.	3.3	3
148	Optical spectroscopy of single molecules: application to nonlinear and quantum optics. Journal of Luminescence, 2000, 87-89, 105-108.	3.1	2
149	Imaging single metal-nanoparticles in cells by photothermal interference contrast. , 2003, , .		2
150	Tracking Receptors by Imaging Single Molecules: Figure 1.. Cold Spring Harbor Protocols, 2008, 2008, pdb.top25.	0.3	2
151	Single-walled carbon nanotube reptation dynamics in submicron sized pores from randomly packed mono-sized colloids. Soft Matter, 2022, 18, 5509-5517.	2.7	2
152	Optical detection and spectroscopy of single metal nanoparticles. , 2005, , .		1
153	Intracellular Delivery and Fate of Peptide-Capped Gold Nanoparticles. Biophysical Journal, 2010, 98, 203a.	0.5	1
154	NIR-emitting molecular-based nanoparticles as new two-photon absorbing nanotools for single particle tracking. , 2015, , .		1
155	Superresolution techniques, biophysics with nanostructures, and fluorescence energy transfer: general discussion. Faraday Discussions, 2015, 184, 143-162.	3.2	1
156	Triggered Emission of Single Photons by a Single Molecule. Springer Series in Chemical Physics, 2001, , 99-113.	0.2	1
157	Non-linear optical spectroscopy of single molecules in solids at low temperatures. Journal of Luminescence, 1998, 76-77, 274-278.	3.1	0
158	Non-linear optical measurements on single molecules in solids at low temperatures. Optical Materials, 1998, 9, 381-385.	3.6	0
159	Triggered emission of single photons by a single molecule. AIP Conference Proceedings, 2001, , .	0.4	0
160	Single semiconductor nanocrystals luminescence decay and photon statistics. , 2004, , IThJ3.		0
161	Photothermal heterodyne imaging and absorption spectroscopy of individual nonfluorescent nano-objects. , 0, , .		0
162	Photothermal heterodyne imaging and spectroscopy of individual metal nanoparticles. , 0, , .		0

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163	Single molecule CdSe/ZnS quantum dot and gold nanoparticle detection in live neurons. , 2006, , .		0
164	Absorption spectroscopy of individual nano-objects and improved readout of DNA microarrays using photothermal detection. , 2006, 6092, 57.		0
165	Lateral Diffusion of Excitatory Neurotransmitter Receptors During Synaptogenesis. , 2006, , 221-232.		0
166	Photothermal absorption spectroscopy of individual gold nanoparticles and CdSe/ZnS semiconductor nanocrystals. , 2006, , .		0
167	Photothermal detection and tracking of individual non-fluorescent nano-objects in live cells. , 2008, , .		0
168	Spectroscopy of the two Lowest Exciton Zero-Phonon Lines in Single CdSe/ZnS Nanocrystals. Journal of Physics: Conference Series, 2010, 245, 012057.	0.4	0
169	Magneto-optical spectroscopy of charged CdSe nanocrystals. , 2013, , .		0
170	Cryogenic single nanocrystal spectroscopy: reading the spectral fingerprint of individual CdSe quantum dots. Proceedings of SPIE, 2014, , .	0.8	0
171	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. Biophysical Journal, 2014, 106, 193a-194a.	0.5	0
172	Using optical lattice for STED parallelization. Proceedings of SPIE, 2014, , .	0.8	0
173	Une source dÃ©clenchÃ©e de photons uniques basÃ©e sur le contrÃ1e de la fluorescence de molÃ©cules individuelles. European Physical Journal Special Topics, 2000, 10, Pr8-13.	0.2	0
174	DÃ©croissance de la luminescence de quantum dots uniques de CdSe/ZnS : Ã©tude en fonction de la tempÃ©rature. European Physical Journal Special Topics, 2004, 119, 213-214.	0.2	0
175	Optical Tools. , 2009, , 253-373.		0
176	A Solid State Source of Photon Triplets based on Quantum Dot Molecules. , 2018, , .		0