Joerg Enderlein

List of Publications by Year
in descending order

269 papers	12,196 citations	28274 55 h-index	37204 96 g-index
296 all docs	296 docs citations	296 times ranked	10343 citing authors

#	Article	IF	Citations
1	Fast, background-free, 3D super-resolution optical fluctuation imaging (SOFI). Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 22287-22292.	7.1	942
2	Image Scanning Microscopy. Physical Review Letters, 2010, 104, 198101.	7.8	383
3	Orientation imaging of single molecules by wide-field epifluorescence microscopy. Journal of the Optical Society of America B: Optical Physics, 2003, 20, 554.	2.1	330
4	Two-Focus Fluorescence Correlation Spectroscopy: A New Tool for Accurate and Absolute Diffusion Measurements. ChemPhysChem, 2007, 8, 433-443.	2.1	312
5	Precise measurement of diffusion by multi-color dual-focus fluorescence correlation spectroscopy. Europhysics Letters, 2008, 83, 46001.	2.0	229
6	Defocused orientation and position imaging (DOPI) of myosin V. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 6495-6499.	7.1	217
7	Nanoparticles for super-resolution microscopy and single-molecule tracking. Nature Methods, 2018, 15, 415-423.	19.0	208
8	Performance of Fluorescence Correlation Spectroscopy for Measuring Diffusion and Concentration. ChemPhysChem, 2005, 6, 2324-2336.	2.1	204
9	Multi-target spectrally resolved fluorescence lifetime imaging microscopy. Nature Methods, 2016, 13, 257-262.	19.0	190
10	Achieving increased resolution and more pixels with Superresolution Optical Fluctuation Imaging (SOFI). Optics Express, 2010, 18, 18875.	3.4	187
11	Photoluminescence of Carbon Nanodots: Dipole Emission Centers and Electronâ€“Phonon Coupling. Nano Letters, 2014, 14, 5656-5661.	9.1	187
12	Polarization effect on position accuracy of fluorophore localization. Optics Express, 2006, 14, 8111.	3.4	180
13	Art and Artefacts of Fluorescence Correlation Spectroscopy. Current Pharmaceutical Biotechnology, 2004, 5, 155-161.	1.6	177
14	Image Analysis of Defocused Single-Molecule Images for Three-Dimensional Molecule Orientation Studies. Journal of Physical Chemistry A, 2004, 108, 6836-6841.	2.5	173
15	Time-resolved fluorescence correlation spectroscopy. Chemical Physics Letters, 2002, 353, 439-445.	2.6	159
16	Fluorescence Lifetime Correlation Spectroscopy. Journal of Fluorescence, 2006, 17, 43-48.	2.5	157
17	Highly efficient optical detection of surface-generated fluorescence. Applied Optics, 1999, 38, 724.	2.1	155
18	Fast fitting of multi-exponential decay curves. Optics Communications, 1997, 134, 371-378.	2.1	154

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19	Resolution doubling in fluorescence microscopy with confocal spinning-disk image scanning microscopy. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 21000-21005.	7.1	144
20	Measurement of Submicrosecond Intramolecular Contact Formation in Peptides at the Single-Molecule Level. Journal of the American Chemical Society, 2003, 125, 5324-5330.	13.7	138
21	Fast calculation of fluorescence correlation data with asynchronous time-correlated single-photon counting. Optics Express, 2003, 11, 3583.	3.4	138
22	Live-cell multiplane three-dimensional super-resolution optical fluctuation imaging. Nature Communications, 2014, 5, 5830.	12.8	133
23	Metal-induced energy transfer for live cell nanoscopy. Nature Photonics, 2014, 8, 124-127.	31.4	132
24	Visualizing spatial and temporal heterogeneity of single molecule rotational diffusion in a glassy polymer by defocused wide-field imaging. Polymer, 2006, 47, 2511-2518.	3.8	130
25	Super-Resolution Optical Fluctuation Bio-Imaging with Dual-Color Carbon Nanodots. Nano Letters, 2016, 16, 237-242.	9.1	122
26	Single-molecule fluorescence near a metal layer. Chemical Physics, 1999, 247, 1-9.	1.9	108
27	Tracking of fluorescent molecules diffusing within membranes. Applied Physics B: Lasers and Optics, 2000, 71, 773-777.	2.2	107
28	Optical Saturation in Fluorescence Correlation Spectroscopy under Continuous-Wave and Pulsed Excitation. ChemPhysChem, 2005, 6, 164-170.	2.1	103
29	Theoretical study of detection of a dipole emitter through an objective with high numerical aperture. Optics Letters, 2000, 25, 634.	3.3	99
30	Quantifying the Diffusion of Membrane Proteins and Peptides in Black Lipid Membranes with 2-Focus Fluorescence Correlation Spectroscopy. Biophysical Journal, 2013, 105, 455-462.	0.5	99
31	Fluorescence Spectroscopy of Single Molecules under Ambient Conditions: Methodology and Technology. ChemPhysChem, 2003, 4, 792-808.	2.1	94
32	The efficiency of surface-plasmon coupled emission for sensitive fluorescence detection. Optics Express, 2005, 13, 8855.	3.4	93
33	Theoretical study of single molecule fluorescence in a metallic nanocavity. Applied Physics Letters, 2002, 80, 315-317.	3.3	92
34	Fluorescence photon antibunching from single molecules on a surface. Chemical Physics Letters, 1997, 269, 365-370.	2.6	91
35	Using fluorescence lifetime for discriminating detector afterpulsing in fluorescence-correlation spectroscopy. Review of Scientific Instruments, 2005, 76, 033102.	1.3	91
36	The rate of change in Ca2+ concentration controls sperm chemotaxis. Journal of Cell Biology, 2012, 196, 653-663.	5.2	88

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37	Distance dependence of surface plasmon-coupled emission observed using Langmuir-Blodgett films. Applied Physics Letters, 2007, 90, 251116.	3.3	85
38	Time-resolved confocal scanning device for ultrasensitive fluorescence detection. Review of Scientific Instruments, 2001, 72, 4145-4152.	1.3	84
39	Unified operator approach for deriving Hermiteâ€“Gaussian and Laguerreâ€“Gaussian laser modes. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2004, 21, 1553.	1.5	81
40	Defocused Wideâ€field Imaging Unravels Structural and Temporal Heterogeneity in Complex Systems. Advanced Materials, 2009, 21, 1079-1090.	21.0	81
41	Envelope glycoprotein mobility on HIV-1 particles depends on the virus maturation state. Nature Communications, 2017, 8, 545.	12.8	81
42	Self-Diffusion and Cooperative Diffusion in Semidilute Polymer Solutions As Measured by Fluorescence Correlation Spectroscopy. Macromolecules, 2009, 42, 9537-9547.	4.8	80
43	A maximum likelihood estimator to distinguish single molecules by their fluorescence decays. Chemical Physics Letters, 1997, 270, 464-470.	2.6	77
44	Forbidden Light Detection from Single Molecules. Analytical Chemistry, 2000, 72, 2117-2123.	6.5	76
45	Prp2-mediated protein rearrangements at the catalytic core of the spliceosome as revealed by dcFCCS. Rna, 2012, 18, 1244-1256.	3.5	75
46	A Theoretical Investigation of Single-Molecule Fluorescence Detection on Thin Metallic Layers. Biophysical Journal, 2000, 78, 2151-2158.	0.5	72
47	Fluorescence Lifetime Correlation Spectroscopy Combined with Lifetime Tuning:Â New Perspectives in Supported Phospholipid Bilayer Research. Langmuir, 2006, 22, 9580-9585.	3.5	67
48	Time-resolved methods in biophysics. 3. Fluorescence lifetime correlation spectroscopy. Photochemical and Photobiological Sciences, 2007, 6, 13-18.	2.9	66
49	Graphene-based metal-induced energy transfer for sub-nanometre optical localization. Nature Photonics, 2019, 13, 860-865.	31.4	66
50	Tuning the Fluorescence Emission Spectra of a Single Molecule with a Variable Optical Subwavelength Metal Microcavity. Physical Review Letters, 2009, 102, 073002.	7.8	65
51	Confocal Fluorescence-Lifetime Single-Molecule Localization Microscopy. ACS Nano, 2020, 14, 14190-14200.	14.6	65
52	Fluorescent Diarylethene Photoswitchesâ€”A Universal Tool for Superâ€Resolution Microscopy in Nanostructured Materials. Small, 2018, 14, 1703333.	10.0	64
53	Cell-Transistor Coupling: Investigation of Potassium Currents Recorded with p- and n-Channel FETs. Biophysical Journal, 2005, 89, 3628-3638.	0.5	63
54	Rapid nonlinear image scanning microscopy. Nature Methods, 2017, 14, 1087-1089.	19.0	62

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55	Dead-time optimized time-correlated photon counting instrument with synchronized, independent timing channels. Review of Scientific Instruments, 2007, 78, 033106.	1.3	60
56	Molecular dissection of step 2 catalysis of yeast pre-mRNA splicing investigated in a purified system. Rna, 2013, 19, 902-915.	3.5	60
57	Fluorescence Lifetimes and Emission Patterns Probe the 3D Orientation of the Emitting Chromophore in a Multichromophoric System. Journal of the American Chemical Society, 2004, 126, 14310-14311.	13.7	59
58	Spectral properties of a fluorescing molecule within a spherical metallic nanocavityPresented at the LANMAT 2001 Conference on the Interaction of Laser Radiation with Matter at Nanoscopic Scales: From Single Molecule Spectroscopy to Materials Processing, Venice, 3â€“6 October, 2001.. Physical Chemistry Chemical Physics, 2002, 4, 2780-2786.	2.8	58
59	Defocused imaging of quantum-dot angular distribution of radiation. Applied Physics Letters, 2005, 87, 101103.	3.3	57
60	The Origin of Heterogeneity of Polymer Dynamics near the Glass Temperature As Probed by Defocused Imaging. Macromolecules, 2011, 44, 9703-9709.	4.8	57
61	Probing the Radiative Transition of Single Molecules with a Tunable Microresonator. Nano Letters, 2011, 11, 1700-1703.	9.1	56
62	Nanobody Detection of Standard Fluorescent Proteins Enables Multi-Target DNA-PAINT with High Resolution and Minimal Displacement Errors. Cells, 2019, 8, 48.	4.1	56
63	The optics and performance of dual-focus fluorescence correlation spectroscopy. Optics Express, 2008, 16, 14353.	3.4	55
64	Origin of Simultaneous Donorâ^'Acceptor Emission in Single Molecules of Peryleneimideâ^'Terrylenediimide Labeled Polyphenylene Dendrimers. Journal of Physical Chemistry B, 2007, 111, 708-719.	2.6	52
65	A surface-bound molecule that undergoes optically biased Brownian rotation. Nature Nanotechnology, 2014, 9, 131-136.	31.5	52
66	Measuring rotational diffusion of macromolecules by fluorescence correlation spectroscopy. Photochemical and Photobiological Sciences, 2010, 9, 627-636.	2.9	51
67	Image scanning microscopy. Current Opinion in Chemical Biology, 2019, 51, 74-83.	6.1	51
68	Molecular Shot Noise, Burst Size Distribution, and Single-Molecule Detection in Fluid Flow:Â Effects of Multiple Occupancy. Journal of Physical Chemistry A, 1998, 102, 6089-6094.	2.5	49
69	Time-Resolved Luminescence Imaging of Hydrogen Peroxide Using Sensor Membranes in a Microwell Format. Applied Spectroscopy, 2003, 57, 1386-1392.	2.2	49
70	Exploring Fluorescence Antibunching in Solution To Determine the Stoichiometry of Molecular Complexes. Analytical Chemistry, 2007, 79, 4040-4049.	6.5	49
71	Nanocavityâ€Based Determination of Absolute Values of Photoluminescence Quantum Yields. ChemPhysChem, 2013, 14, 505-513.	2.1	49
72	Singleâ€Molecule Metalâ€Induced Energy Transfer (smMIET): Resolving Nanometer Distances at the Singleâ€Molecule Level. ChemPhysChem, 2014, 15, 705-711.	2.1	49

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73	Dead-time correction of fluorescence lifetime measurements and fluorescence lifetime imaging. Optics Express, 2016, 24, 9429.	3.4	49
74	Ligand Binding Induces a Conformational Change in ifnar1 that Is Propagated to Its Membrane-Proximal Domain. Journal of Molecular Biology, 2008, 377, 725-739.	4.2	48
75	Cellâ€“Substrate Dynamics of the Epithelial-to-Mesenchymal Transition. Nano Letters, 2017, 17, 3320-3326.	9.1	48
76	Axial Nanometer Distances Measured by Fluorescence Lifetime Imaging Microscopy. Nano Letters, 2010, 10, 1497-1500.	9.1	46
77	Ultra-stable and versatile widefield cryo-fluorescence microscope for single-molecule localization with sub-nanometer accuracy. Optics Express, 2015, 23, 3770.	3.4	45
78	Optimal Algorithm for Single-Molecule Identification with Time-Correlated Single-Photon Counting. Journal of Physical Chemistry A, 2001, 105, 48-53.	2.5	43
79	Charge-Driven Fluorescence Blinking in Carbon Nanodots. Journal of Physical Chemistry Letters, 2017, 8, 5751-5757.	4.6	43
80	Axial Colocalization of Single Molecules with Nanometer Accuracy Using Metal-Induced Energy Transfer. Nano Letters, 2018, 18, 2616-2622.	9.1	43
81	An all solidâ€state nearâ€infrared timeâ€correlated single photon counting instrument for dynamic lifetime measurements in DNA sequencing applications. Review of Scientific Instruments, 1996, 67, 3984-3989.	1.3	42
82	Three-Dimensional Reconstruction of Nuclear Envelope Architecture Using Dual-Color Metal-Induced Energy Transfer Imaging. ACS Nano, 2017, 11, 11839-11846.	14.6	42
83	Breaking the diffraction limit with dynamic saturation optical microscopy. Applied Physics Letters, 2005, 87, 094105.	3.3	41
84	Fourier interpolation stochastic optical fluctuation imaging. Optics Express, 2015, 23, 16154.	3.4	40
85	Scaling of activation energy for macroscopic flow in poly(ethylene glycol) solutions: Entangled â€“ Non-entangled crossover. Polymer, 2014, 55, 4651-4657.	3.8	39
86	Protein cofactor competition regulates the action of a multifunctional RNA helicase in different pathways. RNA Biology, 2016, 13, 320-330.	3.1	39
87	Wide-Field Fluorescence Lifetime Imaging of Single Molecules. Journal of Physical Chemistry A, 2020, 124, 3494-3500.	2.5	39
88	TIRF microscopy evanescent field calibration using tilted fluorescent microtubules. Journal of Microscopy, 2009, 234, 38-46.	1.8	38
89	Superresolution Optical Fluctuation Imaging (SOFI). Advances in Experimental Medicine and Biology, 2012, 733, 17-21.	1.6	38
90	Simultaneous Measurement of the Three-Dimensional Orientation of Excitation and Emission Dipoles. Physical Review Letters, 2015, 115, 173002.	7.8	38

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91	Fluorescence lifetime correlation spectroscopy: Basics and applications. Methods, 2018, 140-141, 32-39.	3.8	38
92	An axon initial segment is required for temporal precision in action potential encoding by neuronal populations. Science Advances, 2018, 4, eaau8621.	10.3	38
93	Surface Sticking and Lateral Diffusion of Lipids in Supported Bilayers. Langmuir, 2006, 22, 9339-9344.	3.5	37
94	Observing Proteins as Single Molecules Encapsulated in Surfaceâ€Tethered Polymeric Nanocontainers. ChemBioChem, 2009, 10, 702-709.	2.6	37
95	Temporal sampling, resetting, and adaptation orchestrate gradient sensing in sperm. Journal of Cell Biology, 2012, 198, 1075-1091.	5.2	37
96	The statistics of single molecule detection: An overview. Bioimaging, 1997, 5, 88-98.	1.3	37
97	Statistics of Single-Molecule Detection. Journal of Physical Chemistry B, 1997, 101, 3626-3632.	2.6	36
98	Orientational effects in the excitation and de-excitation of single molecules interacting with donut-mode laser beams. Optics Express, 2007, 15, 3372.	3.4	36
99	Tip induced fluorescence quenching for nanometer optical and topographical resolution. Optical Nanoscopy, 2013, 2, .	4.0	36
100	Gradual compaction of the nascent peptide during cotranslational folding on the ribosome. ELife, 2020, 9, .	6.0	36
101	High density and ligand affinity confer ultrasensitive signal detection by a guanylyl cyclase chemoreceptor. Journal of Cell Biology, 2014, 206, 541-557.	5.2	35
102	Direct observation of single molecule mobility in semidilute polymer solutions. Physical Review E, 2007, 75, 061804.	2.1	33
103	Comparison of optical saturation effects in conventional and dual-focus fluorescence correlation spectroscopy. Chemical Physics Letters, 2008, 459, 18-21.	2.6	33
104	Translational Diffusion and Interaction of a Photoreceptor and Its Cognate Transducer Observed in Giant Unilamellar Vesicles by Using Dualâ€Focus FCS. ChemBioChem, 2009, 10, 1823-1829.	2.6	33
105	Statistical Analysis of Diffusion Coefficient Determination by Fluorescence Correlation Spectroscopy. Journal of Fluorescence, 2005, 15, 415-422.	2.5	32
106	Calibrating Differential Interference Contrast Microscopy with dual-focus Fluorescence Correlation Spectroscopy. Optics Express, 2008, 16, 4322.	3.4	32
107	Dual-focus fluorescence correlation spectroscopy: a robust tool for studying molecular crowding. Soft Matter, 2009, 5, 1358.	2.7	32
108	Evanescent-Field-Induced Second Harmonic Generation by Noncentrosymmetric Nanoparticles. Optics Express, 2010, 18, 23218.	3.4	32

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109	Size and mobility of lipid domains tuned by geometrical constraints. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E6064-E6071.	7.1	32
110	Influence of interfaceâ€“dipole interactions on the efficiency of fluorescence light collection near surfaces. Optics Letters, 2003, 28, 941.	3.3	31
111	Plasmon-Driven Modulation of Reaction Pathways of Individual Pt-Modified Au Nanorods. Nano Letters, 2020, 20, 3326-3330.	9.1	31
112	Dual-Focus Fluorescence Correlation Spectroscopy of Colloidal Solutions: Influence of Particle Size. Journal of Physical Chemistry B, 2008, 112, 8236-8240.	2.6	30
113	Application of dual-focus fluorescence correlation spectroscopy to microfluidic flow-velocity measurement. Lab on A Chip, 2010, 10, 1286.	6.0	30
114	Polymer Dynamics, Fluorescence Correlation Spectroscopy, and the Limits of Optical Resolution. Physical Review Letters, 2012, 108, 108101.	7.8	30
115	Characterizing the Quantum-Confined Stark Effect in Semiconductor Quantum Dots and Nanorods for Single-Molecule Electrophysiology. ACS Photonics, 2018, 5, 4788-4800.	6.6	30
116	Graphene- and metal-induced energy transfer for single-molecule imaging and live-cell nanoscopy with (sub)-nanometer axial resolution. Nature Protocols, 2021, 16, 3695-3715.	12.0	30
117	Equilibrium Dynamics of Spermine-Induced Plasmid DNA Condensation Revealed by Fluorescence Lifetime Correlation Spectroscopy. Biophysical Journal, 2008, 94, L17-L19.	0.5	29
118	Remote temperature measurements in femto-liter volumes using dual-focus-Fluorescence Correlation Spectroscopy. Lab on A Chip, 2009, 9, 1248.	6.0	29
119	Photoactivation of Luminescent Centers in Single SiO2 Nanoparticles. Nano Letters, 2016, 16, 4312-4316.	9.1	29
120	Photon Antibunching Reveals Static and Dynamic Quenching Interaction of Tryptophan with Atto-655. Journal of Physical Chemistry Letters, 2017, 8, 5821-5826.	4.6	29
121	Fluorescence-Emission Control of Single CdSe Nanocrystals Using Gold-Modified AFM Tips. Small, 2007, 3, 44-49.	10.0	28
122	Tight focusing of laser beams in a Î»/2-microcavity. Optics Express, 2008, 16, 9907.	3.4	28
123	Fluorescence correlation spectroscopy as a tool for measuring the rotational diffusion of macromolecules. Chemical Physics Letters, 2011, 516, 1-11.	2.6	28
124	Electrodynamic Coupling of Electric Dipole Emitters to a Fluctuating Mode Density within a Nanocavity. Physical Review Letters, 2012, 108, 163002.	7.8	28
125	Measuring large numerical apertures by imaging the angular distribution of radiation of fluorescing molecules. Optics Express, 2005, 13, 9409.	3.4	27
126	Optical Saturation as a Versatile Tool to Enhance Resolution in Confocal Microscopy. Biophysical Journal, 2009, 97, 2623-2629.	0.5	27

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127	Control of Integrin Î±IIbÎ²3 Outside-In Signaling and Platelet Adhesion by Sensing the Physical Properties of Fibrin(ogen) Substrates. Biochemistry, 2010, 49, 68-77.	2.5	27
128	Photon Yield Enhancement of Red Fluorophores at Cryogenic Temperatures. ChemPhysChem, 2018, 19, 1774-1780.	2.1	27
129	Conceptual Basis of Fluorescence Correlation Spectroscopy and Related Techniques as Tools in Bioscience. , 0, , 69-120.		26
130	Flow of a nematogen past a cylindrical micro-pillar. Soft Matter, 2013, 9, 1937-1946.	2.7	26
131	Dual-color metal-induced and FÃ¶rster resonance energy transfer for cell nanoscopy. Molecular Biology of the Cell, 2018, 29, 846-851.	2.1	26
132	Three-dimensional single-molecule localization with nanometer accuracy using Metal-Induced Energy Transfer (MIET) imaging. Journal of Chemical Physics, 2018, 148, 204201.	3.0	26
133	Structural myelin defects are associated with low axonal ATP levels but rapid recovery from energy deprivation in a mouse model of spastic paraplegia. PLoS Biology, 2020, 18, e3000943.	5.6	26
134	Fluorescence detection of single molecules near a solution/glass interface â€“ an electrodynamic analysis. Chemical Physics Letters, 1999, 308, 263-266.	2.6	25
135	Quantum Yield Measurement in a Multicolor Chromophore Solution Using a Nanocavity. Nano Letters, 2013, 13, 1348-1351.	9.1	25
136	Fluorescence lifetime DNA-PAINT for multiplexed super-resolution imaging of cells. Communications Biology, 2022, 5, 38.	4.4	25
137	Global and local tension measurements in biomimetic skeletal muscle tissues reveals early mechanical homeostasis. ELife, 2021, 10, .	6.0	24
138	MD Simulations and FRET Reveal an Environment-Sensitive Conformational Plasticity of Importin-Î². Biophysical Journal, 2015, 109, 277-286.	0.5	23
139	Atg21 organizes Atg8 lipidation at the contact of the vacuole with the phagophore. Autophagy, 2021, 17, 1458-1478.	9.1	23
140	Probing Protein Conformations by in Situ Non-Covalent Fluorescence Labeling. Bioconjugate Chemistry, 2009, 20, 41-46.	3.6	22
141	Quantifying Microsecond Transition Times Using Fluorescence Lifetime Correlation Spectroscopy. Journal of Physical Chemistry Letters, 2017, 8, 6022-6028.	4.6	22
142	Efficient detection of single molecules eluting off an optically trapped microsphere. Bioimaging, 1998, 6, 33-42.	1.3	20
143	Focusing astigmatic Gaussian beams through optical systems with a high numerical aperture. Optics Letters, 2005, 30, 2527.	3.3	20
144	Measuring diffusion with polarization-modulation dual-focus fluorescence correlation spectroscopy. Optics Express, 2008, 16, 14609.	3.4	20

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145	Experimental and theoretical evaluation of surface plasmon-coupled emission for sensitive fluorescence detection. Journal of Biomedical Optics, 2008, 13, 054021.	2.6	20
146	Metal-induced energy transfer. Nanophotonics, 2019, 8, 1689-1699.	6.0	20
147	Single-Molecule Fluorescence Lifetime Imaging Using Wide-Field and Confocal-Laser Scanning Microscopy: A Comparative Analysis. Nano Letters, 2022, 22, 6454-6461.	9.1	20
148	Imaging properties of supercritical angle fluorescence optics. Optics Express, 2011, 19, 8011.	3.4	19
149	Multiâ€Color, Bleachingâ€Resistant Superâ€Resolution Optical Fluctuation Imaging with Oligonucleotideâ€Based Exchangeable Fluorophores. Angewandte Chemie - International Edition, 2021, 60, 6310-6313.	13.8	19
150	Nanoscopic anatomy of dynamic multi-protein complexes at membranes resolved by graphene-induced energy transfer. ELife, 2021, 10, .	6.0	19
151	Optical collection efficiency function in single-molecule detection experiments. Applied Optics, 1997, 36, 5298.	2.1	18
152	Title is missing!. Nonlinear Dynamics, Psychology, and Life Sciences, 2000, 4, 135-152.	0.2	18
153	Absolute Photoluminescence Quantum Yield Measurement in a Complex Nanoscopic System with Multiple Overlapping States. Journal of Physical Chemistry Letters, 2014, 5, 1198-1202.	4.6	18
154	Probing of protein localization and shuttling in mitochondrial microcompartments by FLIM with sub-diffraction resolution. Biochimica Et Biophysica Acta - Bioenergetics, 2016, 1857, 1290-1299.	1.0	18
155	Maximum-likelihood criterion and single-molecule detection. Applied Optics, 1995, 34, 514.	2.1	17
156	Photon Antibunching in a Cyclic Chemical Reaction Scheme. Journal of Physical Chemistry Letters, 2015, 6, 1149-1154.	4.6	17
157	Positional and Temporal Accuracy of Single Molecule Tracking. Single Molecules, 2000, 1, 225-230.	0.9	16
158	Isotropic three-dimensional dual-color super-resolution microscopy with metal-induced energy transfer. Science Advances, 2022, 8, .	10.3	16
159	Dynamic saturation optical microscopy: employing dark-state formation kinetics for resolution enhancement. Physical Chemistry Chemical Physics, 2010, 12, 12457.	2.8	15
160	Modification of FÃ¶rster Resonance Energy Transfer Efficiencyat Interfaces. International Journal of Molecular Sciences, 2012, 13, 15227-15240.	4.1	15
161	Lipid Diffusion within Black Lipid Membranes Measured with Dualâ€Focus Fluorescence Correlation Spectroscopy. ChemPhysChem, 2012, 13, 990-1000.	2.1	15
162	Absolute quantum yield measurements of fluorescent proteins using a plasmonic nanocavity. Communications Biology, 2020, 3, 627.	4.4	15

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163	Coherence properties of a single dipole emitter in diamond. New Journal of Physics, 2011, 13, 055016.	2.9	14
164	Fluorescence polarization filtering for accurate single molecule localization. APL Photonics, 2020, 5, .	5.7	14
165	Comparison between time-correlated single photon counting and fluorescence correlation spectroscopy in single molecule identification. Bioimaging, 1998, 6, 3-13.	1.3	13
166	Photon Antibunching in Complex Intermolecular Fluorescence Quenching Kinetics. Journal of Physical Chemistry Letters, 2016, 7, 3137-3141.	4.6	13
167	Time-resolved MIET measurements of blood platelet spreading and adhesion. Nanoscale, 2020, 12, 21306-21315.	5.6	13
168	Doubling the resolution of a confocal spinning-disk microscope using image scanning microscopy. Nature Protocols, 2021, 16, 164-181.	12.0	13
169	Photophysical properties and fluorescence lifetime imaging of exfoliated near-infrared fluorescent silicate nanosheets. Nanoscale Advances, 2021, 3, 4541-4553.	4.6	12
170	Single-molecule Fluorescence Spectroscopy of TOTO on Poly-AT and Poly-GC DNAÂ¶. Photochemistry and Photobiology, 2003, 78, 576.	2.5	12
171	Single molecule fluorescence in ultrathin capillaries: an electrodynamic study. Chemical Physics Letters, 1999, 301, 430-434.	2.6	11
172	Fluorescence correlation spectroscopy in cells: Confinement and excluded volume effects. Experimental and Molecular Pathology, 2007, 82, 142-146.	2.1	11
173	Photoluminescence of a single quantum emitter in a strongly inhomogeneous chemical environment. Physical Chemistry Chemical Physics, 2015, 17, 14994-15000.	2.8	11
174	Quantum Yield Measurements of Fluorophores in Lipid Bilayers Using a Plasmonic Nanocavity. Journal of Physical Chemistry Letters, 2017, 8, 1472-1475.	4.6	11
175	Dependence of the optical saturation of fluorescence on rotational diffusion. Chemical Physics Letters, 2005, 410, 452-456.	2.6	10
176	Pattern-Based Linear Unmixing for Efficient and Reliable Analysis of Multicomponent TCSPC Data. Springer Series on Fluorescence, 2014, , 241-263.	0.8	10
177	Excitation and Emission Transition Dipoles of Type-II Semiconductor Nanorods. Nano Letters, 2019, 19, 1695-1700.	9.1	10
178	Emission States Variation of Single Graphene Quantum Dots. Journal of Physical Chemistry Letters, 2020, 11, 7356-7362.	4.6	10
179	Kinetics of Loop Closure in Disordered Proteins: Theory vs Simulations vs Experiments. Journal of Physical Chemistry B, 2020, 124, 3482-3493.	2.6	10
180	Rapid multi-plane phase-contrast microscopy reveals torsional dynamics in flagellar motion. Biomedical Optics Express, 2021, 12, 3169.	2.9	10

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181	Fluorescence Correlation Spectroscopy to Study Diffusion Through Diatom Nanopores. Journal of Nanoscience and Nanotechnology, 2009, 9, 6760-6766.	0.9	9
182	Dual-Focus Fluorescence Correlation Spectroscopy. Methods in Enzymology, 2013, 518, 175-204.	1.0	9
183	Observation of Unusual Molecular Diffusion Behaviour below the Lower Critical Solution Temperature of Water/2â€Butoxyethanol Mixtures by using Fluorescence Correlation Spectroscopy. ChemPhysChem, 2014, 15, 3832-3838.	2.1	9
184	Mapping Activity-Dependent Quasi-stationary States of Mitochondrial Membranes with Graphene-Induced Energy Transfer Imaging. Nano Letters, 2021, 21, 8244-8249.	9.1	9
185	Single Molecule Detection on Surfaces with the Confocal Laser Scanning Microscope. , 0, , 145-183.		8
186	Defocused Imaging in Wide-field Fluorescence Microscopy. Springer Series on Fluorescence, 2007, , 257-284.	0.8	8
187	Fluorescence correlation spectroscopy (IUPAC Technical Report). Pure and Applied Chemistry, 2013, 85, 999-1016.	1.9	8
188	Monomerization of the photoconvertible fluorescent protein SAASoti by rational mutagenesis of single amino acids. Scientific Reports, 2018, 8, 15542.	3.3	8
189	Multi-target immunofluorescence by separation of antibody cross-labelling via spectral-FLIM-FRET. Scientific Reports, 2020, 10, 3820.	3.3	8
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