

# Photophysics of Fluorescent Probes for Single-Molecule Imaging

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Citation Report

#	ARTICLE	IF	CITATIONS
4	Single Molecule Fluorescence Detection and Tracking in Mammalian Cells: The State-of-the-Art and Future Perspectives. <i>International Journal of Molecular Sciences</i> , 2012, 13, 14742-14765.	1.8	25
5	Real-time analysis of multi-laser-beam fluorescence for timed control of laser tweezers in a microfluidic cell-sorting device. <i>Proceedings of SPIE</i> , 2012, , .	0.8	0
6	Experimental approaches for addressing fundamental biological questions in living, functioning cells with single molecule precision. <i>Open Biology</i> , 2012, 2, 120090.	1.5	48
7	Colloidal Quantum Dots: The Opportunities and the Pitfalls for DNA Analysis Applications. <i>ACS Symposium Series</i> , 2012, , 323-363.	0.5	0
8	Visualizing Cell Structure and Function with Point-Localization Superresolution Imaging. <i>Developmental Cell</i> , 2012, 23, 1092-1102.	3.1	89
9	Photoinduced Fluorescence Activation and Nitric Oxide Release with Biocompatible Polymer Nanoparticles. <i>Chemistry - A European Journal</i> , 2012, 18, 15782-15787.	1.7	51
10	On the Mechanisms of Cyanine Fluorophore Photostabilization. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 2200-2203.	2.1	83
11	Fluorescence Photoactivation by Intermolecular Proton Transfer. <i>Journal of Physical Chemistry A</i> , 2012, 116, 9928-9933.	1.1	31
12	Photoactivatable Synthetic Dyes for Fluorescence Imaging at the Nanoscale. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 2379-2385.	2.1	64
13	Quantitative fluorescence labeling of aldehyde-tagged proteins for single-molecule imaging. <i>Nature Methods</i> , 2012, 9, 499-503.	9.0	65
14	Optical control and study of biological processes at the single-cell level in a live organism. <i>Reports on Progress in Physics</i> , 2013, 76, 072601.	8.1	14
15	Single vesicle biochips for ultra-miniaturized nanoscale fluidics and single molecule bioscience. <i>Lab on A Chip</i> , 2013, 13, 3613.	3.1	17
16	Single-molecule nanometry for biological physics. <i>Reports on Progress in Physics</i> , 2013, 76, 016601.	8.1	34
17	Synthesis and evaluation of fluorescent cap analogues for mRNA labelling. <i>RSC Advances</i> , 2013, 3, 20943.	1.7	24
18	Fluorescent labeling and modification of proteins. <i>Journal of Chemical Biology</i> , 2013, 6, 85-95.	2.2	245
19	Novel fluorescent carbonic nanomaterials for sensing and imaging. <i>Methods and Applications in Fluorescence</i> , 2013, 1, 042001.	1.1	138
20	Fluorescence Activation with Photochromic Auxochromes. <i>Israel Journal of Chemistry</i> , 2013, 53, 247-255.	1.0	12
21	Extending single molecule fluorescence observation time by amplitude-modulated excitation. <i>Methods and Applications in Fluorescence</i> , 2013, 1, 037001.	1.1	12

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22	Opportunities and challenges in single-molecule and single-particle fluorescence microscopy for mechanistic studies of chemical reactions. <i>Nature Chemistry</i> , 2013, 5, 993-999.	6.6	142
23	Real-time single-molecule coimmunoprecipitation of weak protein-protein interactions. <i>Nature Protocols</i> , 2013, 8, 2045-2060.	5.5	31
24	Single-molecule FRET of protein structure and dynamics - a primer. <i>Journal of Nanobiotechnology</i> , 2013, 11, S2.	4.2	68
25	Manganese-Induced Triplet Blinking and Photobleaching of Single Molecule Cyanine Dyes. <i>ChemPhysChem</i> , 2013, 14, 3495-3502.	1.0	18
26	Single-Molecule Studies of RNA Polymerases. <i>Chemical Reviews</i> , 2013, 113, 8377-8399.	23.0	16
27	To unscramble an egg. <i>Nature Methods</i> , 2013, 10, 208-209.	9.0	0
28	Photoactivatable synthetic fluorophores. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 14840.	1.3	87
29	Synthesis and photophysics of novel biocompatible fluorescent oxocines and azocines in aqueous solution. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 16704.	1.3	39
30	Biocompatible fluorescent silicon nanocrystals for single-molecule tracking and fluorescence imaging. <i>Journal of Cell Biology</i> , 2013, 202, 967-983.	2.3	48
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32	Blinking statistics of colloidal quantum dots at different excitation wavelengths. <i>RSC Advances</i> , 2013, 3, 17440.	1.7	11
33	Methylene Blue- and Thiol-Based Oxygen Depletion for Super-Resolution Imaging. <i>Analytical Chemistry</i> , 2013, 85, 3393-3400.	3.2	50
34	Superresolution Imaging with Standard Fluorescent Probes. <i>Current Protocols in Cell Biology</i> , 2013, 60, 21.8.1-21.8.17.	2.3	1
35	Measuring ultrafast protein folding rates from photon-by-photon analysis of single molecule fluorescence trajectories. <i>Chemical Physics</i> , 2013, 422, 229-237.	0.9	43
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41	Sub-Diffusion Decays in Fluorescence Correlation Spectroscopy: Dye Photophysics or Protein Dynamics?. <i>Journal of Physical Chemistry B</i> , 2013, 117, 11100-11111.	1.2	11
42	Labeling Cytosolic Targets in Live Cells with Blinking Probes. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 2138-2146.	2.1	24
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