

# Optical imaging probes for biomolecules: an introductory

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Recent Progress in Fluorescent Imaging Probes. <i>Sensors</i> , 2015, 15, 24374-24396.	2.1	98
2	Rhenium tetrazolato complexes coordinated to thioalkyl-functionalised phenanthroline ligands: synthesis, photophysical characterisation, and incubation in live HeLa cells. <i>Dalton Transactions</i> , 2015, 44, 20636-20647.	1.6	15
3	Analysing the effect of the crystal structure on upconversion luminescence in Yb <sup>3+</sup> ,Er <sup>3+</sup> -co-doped NaYF <sub>4</sub> nanomaterials. <i>Journal of Materials Chemistry C</i> , 2015, 3, 11228-11238.	2.7	90
4	Pyrimidine-based fluorescent COX-2 inhibitors: synthesis and biological evaluation. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 7250-7257.	1.5	11
5	Dual-channel NIR activatable theranostic prodrug for in vivo spatiotemporal tracking thiol-triggered chemotherapy. <i>Chemical Science</i> , 2016, 7, 4958-4965.	3.7	135
6	Synthesis of a UCNPs@SiO <sub>2</sub> @gadofullerene nanocomposite and its application in UCL/MR bimodal imaging. <i>RSC Advances</i> , 2016, 6, 98968-98974.	1.7	13
7	Molecular imaging of enzyme activity in vivo using activatable probes. <i>Science Bulletin</i> , 2016, 61, 1672-1679.	4.3	46
8	Biscyclometalated iridium(III) complexes target mitochondria or lysosomes by regulating the lipophilicity of the main ligands. <i>Dalton Transactions</i> , 2016, 45, 16144-16147.	1.6	60
9	Targeted Stealth Polymer Capsules Encapsulating Ln <sup>3+</sup> -Doped LaVO <sub>4</sub> Nanoparticles for Bioimaging Applications. <i>ACS Biomaterials Science and Engineering</i> , 2016, 2, 1330-1340.	2.6	26
10	Lysosome-Targeting Fluorogenic Probe for Cathepsin B Imaging in Living Cells. <i>Analytical Chemistry</i> , 2016, 88, 12403-12410.	3.2	82
11	Nanomechanics of Fluorescent DNA Dyes on DNA Investigated by Magnetic Tweezers. <i>Biophysical Journal</i> , 2016, 111, 1604-1611.	0.2	22
12	Bio-distribution and in vivo/in vitro toxicity profile of PEGylated polymer capsules encapsulating LaVO <sub>4</sub> :Tb <sup>3+</sup> nanoparticles for bioimaging applications. <i>RSC Advances</i> , 2016, 6, 55125-55134.	1.7	13
13	Novel benzo-bis(1,2,5-thiadiazole) fluorophores for in vivo NIR-II imaging of cancer. <i>Chemical Science</i> , 2016, 7, 6203-6207.	3.7	263
14	Unprecedented staining of polar lipids by a luminescent rhenium complex revealed by FTIR microspectroscopy in adipocytes. <i>Molecular BioSystems</i> , 2016, 12, 2064-2068.	2.9	26
15	Synthesis of heteroleptic terpyridyl complexes of Fe(II) and Ru(II): optical and electrochemical studies. <i>New Journal of Chemistry</i> , 2016, 40, 5775-5781.	1.4	10
16	Development of a Modular Ratiometric Fluorescent Probe for the Detection of Extracellular Superoxide. <i>Chemistry - A European Journal</i> , 2017, 23, 4765-4769.	1.7	10
17	A ratiometric sensor for DNA based on a dual emission Ru(dppz) light-switch complex. <i>Dalton Transactions</i> , 2017, 46, 6079-6086.	1.6	16
18	Single-walled carbon nanotubes as optical probes for bio-sensing and imaging. <i>Journal of Materials Chemistry B</i> , 2017, 5, 6511-6522.	2.9	102

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19	pH-Responsive near-infrared fluorescent cyanine dyes for molecular imaging based on pH sensing. <i>Chemical Communications</i> , 2017, 53, 7792-7795.	2.2	35
20	Ratiometric Fluorescent Probes for the Detection of Reactive Oxygen Species. <i>Chemistry - A European Journal</i> , 2017, 23, 13549-13573.	1.7	104
21	Amine-Functionalized Silica Nanoparticles Incorporating Covalently Linked Visible-Light-Excitable Eu <sup>3+</sup> Complexes: Synthesis, Characterization, and Cellular Uptake Studies. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 3205-3213.	1.0	11
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23	Recent advances in high-performance fluorescent and bioluminescent RNA imaging probes. <i>Chemical Society Reviews</i> , 2017, 46, 2824-2843.	18.7	118
24	A Super-Resolution Probe To Monitor HNO Levels in the Endoplasmic Reticulum of Cells. <i>Analytical Chemistry</i> , 2017, 89, 12087-12093.	3.2	41
25	Multimodal Super-resolution Optical Microscopy Using a Transition-Metal-Based Probe Provides Unprecedented Capabilities for Imaging Both Nuclear Chromatin and Mitochondria. <i>Journal of the American Chemical Society</i> , 2017, 139, 15907-15913.	6.6	78
26	Supramolecular assembly affording a ratiometric two-photon fluorescent nanoprobe for quantitative detection and bioimaging. <i>Chemical Science</i> , 2017, 8, 8214-8220.	3.7	47
27	Homo- and Heteroleptic Phototoxic Dinuclear Metallo-Intercalators Based on Ru(II) (dppn) Intercalating Moieties: Synthesis, Optical, and Biological Studies. <i>Angewandte Chemie</i> , 2017, 129, 12802-12807.	1.6	6
28	Fluorescent Indicators of Membrane Permeabilization Due to Electroporation. , 2017, , 1305-1323.		2
29	AS1411 Aptamer-Anionic Linear Globular Dendrimer G2-Iohexol Selective Nano-Theranostics. <i>Scientific Reports</i> , 2017, 7, 11832.	1.6	52
30	New Fluorescent Nanoparticles for Ultrasensitive Detection of Nucleic Acids by Optical Methods. <i>ChemBioChem</i> , 2017, 18, 1599-1603.	1.3	3
31	Homo- and Heteroleptic Phototoxic Dinuclear Metallo-Intercalators Based on Ru <sup>II</sup> (dppn) Intercalating Moieties: Synthesis, Optical, and Biological Studies. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 12628-12633.	7.2	32
32	Metalloreceptors of the type L-M-L [L = (4-(2-pyridyl)-2,2,6,6-tetrapyridine), M = Co(II), Cu(II), Zn(II)] for the recognition of Fe <sup>2+</sup> ions. <i>Polyhedron</i> , 2017, 134, 192-198.	1.0	3
33	Recent Advances in the Analysis of Single Cells. <i>Analytical Chemistry</i> , 2017, 89, 2-21.	3.2	141
34	A Categorical Naked-Eye Detection of Cu <sup>2+</sup> and Zn <sup>2+</sup> through a Donor-Acceptor-Donor (D-A-D) Type Salicylaldimine: An Experimental and Theoretical Approach. <i>ChemistrySelect</i> , 2017, 2, 11358-11363.	0.7	4
35	Binding Mechanism of Fluorescent Dyes to DNA Characterized by Magnetic Tweezers. <i>Materials Today: Proceedings</i> , 2017, 4, S218-S225.	0.9	11
36	Fluorescent probes for the detection of magnesium ions (Mg <sup>2+</sup> ): from design to application. <i>RSC Advances</i> , 2018, 8, 12573-12587.	1.7	49

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38	Mitochondria-localising DNA-binding biscyclometalated phenyltriazole iridium(III) dipyrrophenazine complexes: syntheses and cellular imaging properties. <i>Dalton Transactions</i> , 2018, 47, 4931-4940.	1.6	16
39	A FRET based two-photon fluorescent probe for ratiometric detection of Pd <sup>2+</sup> in living cells and in vivo. <i>Sensors and Actuators B: Chemical</i> , 2018, 254, 949-955.	4.0	44
40	A colorimetric Pb <sup>2+</sup> chemosensor: Rapid naked-eye detection, high selectivity, theoretical insights, and applications. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 355, 101-108.	2.0	23
41	Fluorescence Spectroscopy of AdamBODIPY Single Crystals. <i>ChemPhotoChem</i> , 2018, 2, 72-80.	1.5	4
42	Future potential of osmium complexes as anticancer drug candidates, photosensitizers and organelle-targeted probes. <i>Dalton Transactions</i> , 2018, 47, 14841-14854.	1.6	74
43	Mammalian cells: a unique scaffold for <i>in situ</i> biosynthesis of metallic nanomaterials and biomedical applications. <i>Journal of Materials Chemistry B</i> , 2018, 6, 6501-6514.	2.9	19
44	A Markedly Improved Synthetic Approach for the Preparation of Multifunctional Au-DNA Nanoparticle Conjugates Modified with Optical and MR Imaging Probes. <i>Bioconjugate Chemistry</i> , 2018, 29, 3544-3549.	1.8	14
45	Visualization of mitochondrial DNA in living cells with super-resolution microscopy using thiophene-based terpyridine Zn(II) complexes. <i>Chemical Communications</i> , 2018, 54, 11288-11291.	2.2	37
46	Fluorescent activatable gadofullerene nanoprobe as NIR-MR dual-modal <i>in vivo</i> imaging contrast agent. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 171, 159-166.	2.5	2
47	Rational Fabrication and Biomedical Application of Biomolecule- $\epsilon$ -Conjugated AIEgens through Click Reaction. <i>Chinese Journal of Chemistry</i> , 2019, 37, 1072-1082.	2.6	10
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50	Rapid nondestructive measurement of bacterial cultures with 3D interferometric imaging. <i>Scientific Reports</i> , 2019, 9, 8055.	1.6	3
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52	<i>De Novo</i> -Designed Near-Infrared Nanoaggregates for Super-Resolution Monitoring of Lysosomes in Cells, in Whole Organoids, and <i>in Vivo</i> . <i>ACS Nano</i> , 2019, 13, 14426-14436.	7.3	63
53	Promotion of dispersion and anticancer efficacy of hydroxyapatite nanoparticles by the adsorption of fetal bovine serum. <i>Journal of Nanoparticle Research</i> , 2019, 21, 1.	0.8	6
54	Novel fluorescent probe for rapid and ratiometric detection of $\beta$ -galactosidase and live cell imaging. <i>Talanta</i> , 2019, 192, 308-313.	2.9	16

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55	Conjugation of biomolecules onto antimonene surface for biomedical prospects: A DFT study. <i>Chemical Physics Letters</i> , 2019, 715, 115-122.	1.2	5
56	Iridium(III) Complex-Based Activatable Probe for Phosphorescent/Time-Gated Luminescent Sensing and Imaging of Cysteine in Mitochondria of Live Cells and Animals. <i>Chemistry - A European Journal</i> , 2019, 25, 1498-1506.	1.7	40
57	Two-photon semiconducting polymer nanoparticles as a new platform for imaging of intracellular pH variation. <i>Biosensors and Bioelectronics</i> , 2019, 126, 129-135.	5.3	21
58	Organelle-targeting metal complexes: From molecular design to bio-applications. <i>Coordination Chemistry Reviews</i> , 2019, 378, 66-86.	9.5	210
59	Photoactive metal complexes that bind DNA and other biomolecules as cell probes, therapeutics, and theranostics. <i>Chemical Communications</i> , 2020, 56, 1464-1480.	2.2	32
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61	Developing substrate-based small molecule fluorescent probes for super-resolution fluorescent imaging of various membrane transporters. <i>Nanoscale Horizons</i> , 2020, 5, 523-529.	4.1	11
62	Effect of n-alkyl substitution on Cu(II)-selective chemosensing of rhodamine B derivatives. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 316-332.	1.5	8
63	Advances in imaging strategies for in vivo tracking of exosomes. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2020, 12, e1594.	3.3	61
64	Development of dual-key-and-lock-responsive probes for biosensing and imaging. <i>New Journal of Chemistry</i> , 2020, 44, 12890-12896.	1.4	14
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66	Quantum Dots: A Review from Concept to Clinic. <i>Biotechnology Journal</i> , 2020, 15, e2000117.	1.8	103
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69	Super-resolution observation of lysosomal dynamics with fluorescent gold nanoparticles. <i>Theranostics</i> , 2020, 10, 6072-6081.	4.6	43
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71	Activatable Molecular Probes for Second Near-Infrared Fluorescence, Chemiluminescence, and Photoacoustic Imaging. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 11717-11731.	7.2	353
72	A novel $\alpha$ -v $\beta$ 3 integrin-targeted NIR-II nanoprobe for multimodal imaging-guided photothermal therapy of tumors <i>in vivo</i> . <i>Nanoscale</i> , 2020, 12, 6953-6958.	2.8	35

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73	Second-Order Nonlinear Optical Properties of an Amphiphilic Dye Embedded in a Lipid Bilayer. A Combined Molecular Dynamicsâ€“Quantum Chemistry Study. <i>Journal of Physical Chemistry B</i> , 2020, 124, 2101-2109.	1.2	24
74	Gadolinium-based bimodal probes to enhance T1-Weighted magnetic resonance/optical imaging. <i>Acta Biomaterialia</i> , 2020, 110, 15-36.	4.1	28
75	Near-infrared fluorescent molecular probes for imaging and diagnosis of nephro-urological diseases. <i>Chemical Science</i> , 2021, 12, 3379-3392.	3.7	82
76	Organization of Protein Tyrosine Kinase-7 on Cell Membranes Characterized by Aptamer Probe-Based STORM Imaging. <i>Analytical Chemistry</i> , 2021, 93, 936-945.	3.2	16
77	Biodegradable film enabling visible light excitation of Hexanuclear Europium(â€¦) complex for various applications. <i>Journal of Luminescence</i> , 2021, 229, 117706.	1.5	9
78	ROS-responsive probes for low-background optical imaging: a review. <i>Biomedical Materials (Bristol)</i> , 2021, 16, 022002.	1.7	13
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81	Most recent advances on enzymeâ€“activatable optical probes for bioimaging. <i>Aggregate</i> , 2021, 2, e32.	5.2	39
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86	Hemicyanineâ€“Based Nearâ€“Infrared Activatable Probes for Imaging and Diagnosis of Diseases. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 26454-26475.	7.2	179
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91	Directionally Modified Fluorophores for Super-Resolution Imaging of Target Enzymes: A Case Study with Carboxylesterases. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 16177-16186.	2.9	5
92	Phenol-based styrylpyrylium dyes for trace water detection via chromogenic and fluorogenic responses. <i>Dyes and Pigments</i> , 2022, 197, 109908.	2.0	7
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98	The Chemistry of Organic Contrast Agents in the NIR-Window. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	124
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101	Depletion of carbon dots in stimulated emission depletion microscopy developed with 405/532-nm continuous-wave lasers. <i>Journal of Modern Optics</i> , 2022, 69, 427-435.	0.6	0
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103	Förster and Dexter energy transfer boosted and weakened respectively by host-guest complexations between cyano-containing perylene diimide and BODIPY/diiodo-BODIPY functionalized pillar[5]arenes. <i>Dyes and Pigments</i> , 2022, 202, 110297.	2.0	2
104	Ultra-bright carbon quantum dots for rapid cell staining. <i>Analyst</i> , 2022, 147, 2558-2566.	1.7	10
105	Chain length effect of spiro-ring-N-alkylation on photophysical signalling parameters in Fe(III) selective rhodamine probes. <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 3967-3979.	1.5	1
106	Synchronous Imaging in Golgi Apparatus and Lysosome Enabled by Amphiphilic Calixarene-Based Artificial Light-Harvesting Systems. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 22443-22453.	4.0	20
107	Conjugated polymer-based luminescent probes for ratiometric detection of biomolecules. <i>Journal of Materials Chemistry B</i> , 2022, 10, 7309-7327.	2.9	8
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110	Near-infrared (NIR) fluorescence-emitting small organic molecules for cancer imaging and therapy. <i>Chemical Society Reviews</i> , 2022, 51, 8957-9008.	18.7	83
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114	Chemiluminescent polymeric nanoprobe for tumor diagnosis: A mini review. <i>Frontiers in Chemistry</i> , 0, 10, .	1.8	0
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123	Quantum Dots in Medical Detection/Diagnosis. , 2023, , 75-106.		0
124	Xanthene, cyanine, oxazine and BODIPY: the four pillars of the fluorophore empire for super-resolution bioimaging. <i>Chemical Society Reviews</i> , 2023, 52, 7197-7261.	18.7	10
132	Progress and Challenges of Water-soluble NIR-II Organic Fluorophores for Fluorescence Imaging <i>in vivo</i> . <i>Chemical Research in Chinese Universities</i> , 2024, 40, 190-201.	1.3	0