

Highly Sensitive Near-Infrared Fluorescent Probes for N to Isolated Organs

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Luminescent sensors and switches in the early 21st century. <i>Tetrahedron</i> , 2005, 61, 8551-8588.	1.0	1,074
2	Imaging the nanomolar range of nitric oxide with an amplifier-coupled fluorescent indicator in living cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 14515-14520.	3.3	77
3	Strong red fluorescent probes suitable for detecting hydrogen peroxide generated by mice peritoneal macrophages. <i>Chemical Communications</i> , 2005, , 5974.	2.2	91
4	Innovations in the Imaging of Brain Functions using Fluorescent Proteins. <i>Neuron</i> , 2005, 48, 189-199.	3.8	154
5	Copper Complexes for Fluorescence-Based NO Detection in Aqueous Solution. <i>Journal of the American Chemical Society</i> , 2005, 127, 12170-12171.	6.6	125
6	Highly sensitive and selective near-infrared fluorescent probe for zinc and its application to macrophage cells. <i>Chemical Communications</i> , 2006, , 3609.	2.2	111
7	PET modulated fluorescent sensing from the BF ₂ chelated azadipyromethene platform. <i>Organic and Biomolecular Chemistry</i> , 2006, 4, 776.	1.5	104
8	Development of a Ratiometric Fluorescent Zinc Ion Probe in Near-Infrared Region, Based on Tricarbocyanine Chromophore. <i>Journal of the American Chemical Society</i> , 2006, 128, 6548-6549.	6.6	317
9	Synthesis and Characterization of Glucosamine-Bound Near-Infrared Probes for Optical Imaging. <i>Organic Letters</i> , 2006, 8, 3623-3626.	2.4	55
10	Synthesis, Structures, and Photoinduced Electron Transfer Reaction in the 9,9- <i>Sp</i> -Spirobifluorene-Bridged Bipolar Systems. <i>Journal of Organic Chemistry</i> , 2006, 71, 456-465.	1.7	63
13	Sensing Reactive Oxygen and Nitrogen Species Using Selective Fluorescent Probes. <i>Current Bioactive Compounds</i> , 2006, 2, 409.	0.2	0
14	NO place to hide. <i>Nature Chemical Biology</i> , 2006, 2, 349-350.	3.9	4
15	Visualization of nitric oxide in living cells by a copper-based fluorescent probe. <i>Nature Chemical Biology</i> , 2006, 2, 375-380.	3.9	334
16	Cross-linked poly(2-hydroxyethylmethacrylate) films doped with 1,2-diaminoanthraquinone (DAQ) as efficient materials for the colorimetric sensing of nitric oxide and nitrite anion. <i>Tetrahedron Letters</i> , 2006, 47, 1787-1791.	0.7	74
17	Recent advances in fluorescent probes for the detection of reactive oxygen species. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 386, 532-543.	1.9	291
18	Imaging molecular events in single living cells. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 386, 435-443.	1.9	10
19	Nitric Oxide-Induced Fluorescence Enhancement by Displacement of Dansylated Ligands from Cobalt. <i>ChemBioChem</i> , 2006, 7, 1571-1576.	1.3	34
20	Synthesis of new TTF- <i>anthracene</i> dyads as potential fluorescence probe for O_2 . <i>Journal of Heterocyclic Chemistry</i> , 2006, 43, 1685-1689.	1.4	1

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21	Preparation of Near-IR Fluorescent Nanoparticles for Fluorescence-Anisotropy-Based Immunoagglutination Assay in Whole Blood. <i>Advanced Functional Materials</i> , 2006, 16, 2147-2155.	7.8	78
22	Novel Water-Soluble Near-Infrared Cyanine Dyes: Synthesis, Spectral Properties, and Use in the Preparation of Internally Quenched Fluorescent Probes. <i>Bioconjugate Chemistry</i> , 2007, 18, 1303-1317.	1.8	86
23	Optimized pH-responsive cyanine fluorochromes for detection of acidic environments. <i>Chemical Communications</i> , 2007, , 2747.	2.2	60
24	Swallow-tailed perylene derivative: a new tool for fluorescent imaging of lipid hydroperoxides. <i>Organic and Biomolecular Chemistry</i> , 2007, 5, 3762.	1.5	55
25	Chemical Tools for Biomolecular Imaging. <i>ACS Chemical Biology</i> , 2007, 2, 31-38.	1.6	217
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28	Novel cyanine dyes as fluorescent pH sensors: PET, ICT mechanism or resonance effect?. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2007, 190, 1-8.	2.0	35
29	Fluorescent and luminescent probes for measurement of oxidative and nitrosative species in cells and tissues: Progress, pitfalls, and prospects. <i>Free Radical Biology and Medicine</i> , 2007, 43, 995-1022.	1.3	752
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31	A dual near-infrared pH fluorescent probe and its application in imaging of HepG2 cells. <i>Chemical Communications</i> , 2007, , 3726.	2.2	96
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36	Single cell determination of nitric oxide release using capillary electrophoresis with laser-induced fluorescence detection. <i>Journal of Chromatography A</i> , 2008, 1201, 120-127.	1.8	37
37	Functional Near-Infrared Fluorescent Probes. <i>Chemistry - an Asian Journal</i> , 2008, 3, 506-515.	1.7	230
38	Detection of nitric oxide in single cells. <i>Analyst</i> , 2008, 133, 423.	1.7	77

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40	Amino(oligo)thiophene-Based Environmentally Sensitive Biomembrane Chromophores. <i>Journal of Organic Chemistry</i> , 2008, 73, 6587-6594.	1.7	86
41	A near-infrared fluorescent probe for lipid hydroperoxides in living cells. <i>Analyst, The</i> , 2008, 133, 1409.	1.7	19
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54	Multimodality imaging of nitric oxide and nitric oxide synthases. <i>Free Radical Biology and Medicine</i> , 2009, 47, 684-698.	1.3	51
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64	Terphenyl Derivatives as "Turn On" Fluorescent Sensors for Mercury. <i>Inorganic Chemistry</i> , 2009, 48, 11677-11684.	1.9	63
65	Theoretical Study of Photophysical Properties of Bisindolylmaleimide Derivatives. <i>Journal of Physical Chemistry A</i> , 2009, 113, 8213-8220.	1.1	22
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67	Near-Infrared Fluorescent pH-Sensitive Probes via Unexpected Barbituric Acid Mediated Synthesis. <i>Organic Letters</i> , 2009, 11, 29-32.	2.4	47
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70	Fluorescent Analogs of Biomolecular Building Blocks: Design, Properties, and Applications. <i>Chemical Reviews</i> , 2010, 110, 2579-2619.	23.0	749
71	New Strategies for Fluorescent Probe Design in Medical Diagnostic Imaging. <i>Chemical Reviews</i> , 2010, 110, 2620-2640.	23.0	1,927
72	Engineering a subcellular targetable, red-emitting, and ratiometric fluorescent probe for Ca ²⁺ and its bioimaging applications. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 397, 1245-1250.	1.9	16
73	The influence of β -cyclodextrin on acid-base and tautomeric equilibrium of fluorescein dyes in aqueous solution. <i>Carbohydrate Research</i> , 2010, 345, 1882-1890.	1.1	24
74	Synthesis and Evaluation of Pseudopeptidic Fluorescence pH Probes for Acidic Cellular Organelles: In Vivo Monitoring of Bacterial Phagocytosis by Multiparametric Flow Cytometry. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 5967-5979.	1.2	20
75	Development of a Ruthenium(II) Complex Based Luminescent Probe for Imaging Nitric Oxide Production in Living Cells. <i>Chemistry - A European Journal</i> , 2010, 16, 6884-6891.	1.7	97
76	Near-Infrared Cell-Permeable Hg ²⁺ -Selective Ratiometric Fluorescent Chemodosimeters and Fast Indicator Paper for MeHg ⁺ Based on Tricarbocyanines. <i>Chemistry - A European Journal</i> , 2010, 16, 14424-14432.	1.7	163
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85	A near-infrared fluorescent probe for monitoring tyrosinase activity. <i>Chemical Communications</i> , 2010, 46, 2560.	2.2	70
86	Labels and Probes for Live Cell Imaging: Overview and Selection Guide. <i>Methods in Molecular Biology</i> , 2010, 591, 17-45.	0.4	13
87	A Highly Selective Low-Background Fluorescent Imaging Agent for Nitric Oxide. <i>Journal of the American Chemical Society</i> , 2010, 132, 13114-13116.	6.6	222
88	Medium Effects on the Prototropic Equilibria of Fluorescein Fluoro Derivatives in True and Organized Solution. <i>Journal of Physical Chemistry B</i> , 2010, 114, 4551-4564.	1.2	29
89	Detecting and Understanding the Roles of Nitric Oxide in Biology. <i>Inorganic Chemistry</i> , 2010, 49, 6338-6348.	1.9	98
90	Live Cell Imaging. <i>Methods in Molecular Biology</i> , 2010, , .	0.4	15
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109	Sensitivity evaluation of rhodamine B hydrazide towards nitric oxide and its application for macrophage cells imaging. <i>Analytica Chimica Acta</i> , 2011, 708, 141-148.	2.6	28
110	Turn-on fluorescent sensing with reactive probes. <i>Chemical Communications</i> , 2011, 47, 7583.	2.2	402
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116	Biochemistry of Mobile Zinc and Nitric Oxide Revealed by Fluorescent Sensors. <i>Annual Review of Biochemistry</i> , 2011, 80, 333-355.	5.0	156
117	Chemistry and biology of reactive oxygen species in signaling or stress responses. <i>Nature Chemical Biology</i> , 2011, 7, 504-511.	3.9	1,461
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119	Combining Aminocyanine Dyes with Polyamide Dendrons: A Promising Strategy for Imaging in the Near-Infrared Region. <i>Chemistry - A European Journal</i> , 2011, 17, 3619-3629.	1.7	53
120	Highly Selective Visible and Near-IR Sensing of Cu ²⁺ Based on Thiourea-Salicylaldehyde Coordination in Aqueous Media. <i>Chemistry - A European Journal</i> , 2011, 17, 1410-1414.	1.7	118
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129	Copper-promoted probe for nitric oxide based on o-phenylenediamine: Large blue-shift in absorption and fluorescence enhancement. <i>Analytical Methods</i> , 2012, 4, 919.	1.3	15
130	Nitric Oxide Turn-on Fluorescent Probe Based on Deamination of Aromatic Primary Monoamines. <i>Inorganic Chemistry</i> , 2012, 51, 5400-5408.	1.9	90
131	Near-infrared fluorescent sensor for in vivo copper imaging in a murine Wilson disease model. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 2228-2233.	3.3	188
132	Development of a novel europium(III) complex-based luminescence probe for time-resolved luminescence imaging of the nitric oxide production in neuron cells. <i>Talanta</i> , 2012, 99, 951-958.	2.9	12

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134	Copper(ii) complexes as turn on fluorescent sensors for nitric oxide. <i>Dalton Transactions</i> , 2012, 41, 10543.	1.6	22
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137	A Small Molecule Two-Photon Probe for Nitric Oxide in Living Tissues. <i>Chemistry - A European Journal</i> , 2012, 18, 12388-12394.	1.7	49
138	A practical strategy to create near-infrared luminescent probes: conversion from fluorescein-based sensors. <i>Chemical Communications</i> , 2012, 48, 2840.	2.2	32
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143	The emission enhancement of the NIR distyryl Bodipy dyes by the indirect S ₀ → S ₂ excitation and their application towards a Hg ²⁺ probe. <i>Journal of Materials Chemistry</i> , 2012, 22, 11475.	6.7	24
144	Development of a near-infrared fluorescent probe for imaging of endogenous Cu ⁺ in live cells. <i>Chemical Communications</i> , 2012, 48, 6247.	2.2	84
145	Imaging beyond the proteome. <i>Chemical Communications</i> , 2012, 48, 8864.	2.2	75
146	A Unique Class of Near-Infrared Functional Fluorescent Dyes with Carboxylic-Acid-Modulated Fluorescence ON/OFF Switching: Rational Design, Synthesis, Optical Properties, Theoretical Calculations, and Applications for Fluorescence Imaging in Living Animals. <i>Journal of the American Chemical Society</i> , 2012, 134, 1200-1211.	6.6	472
147	Fluorescent chemodosimeters using chemical events for the detection of small anions and cations in biological and environmental media. <i>Chemical Society Reviews</i> , 2012, 41, 4511.	18.7	652
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150	A near-infrared fluorescence chemodosimeter for fluoride via specific Si-O cleavage. <i>Tetrahedron Letters</i> , 2012, 53, 2107-2110.	0.7	58

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152	Targetable Fluorescent Probe for Monitoring Exogenous and Endogenous NO in Mitochondria of Living Cells. <i>Analytical Chemistry</i> , 2013, 85, 7076-7084.	3.2	98
153	Design and Synthesis of Polymer-Functionalized NIR Fluorescent Dyes-Magnetic Nanoparticles for Bioimaging. <i>ACS Nano</i> , 2013, 7, 6796-6805.	7.3	98
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