

# Optical methods for sensing and imaging oxygen: materials and applications

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Citation Report

#	ARTICLE	IF	CITATIONS
2	Luminescent Dual Sensors Reveal Extracellular pH-Gradients and Hypoxia on Chronic Wounds That Disrupt Epidermal Repair. <i>Theranostics</i> , 2014, 4, 721-735.	4.6	117
3	320-fold luminescence enhancement of [Ru(dpp) <sub>3</sub> ]Cl <sub>2</sub> dispersed on PMMA opal photonic crystals and highly improved oxygen sensing performance. <i>Light: Science and Applications</i> , 2014, 3, e209-e209.	7.7	42
4	Discrete O <sub>2</sub> sensors produced by a spotting method on polyolefin fabric substrates. <i>Sensors and Actuators B: Chemical</i> , 2014, 203, 935-940.	4.0	16
5	Endosomes: guardians against [Ru(Phen) <sub>3</sub> ] <sup>2+</sup> photo-action in endothelial cells during in vivo pO <sub>2</sub> detection?. <i>Metallomics</i> , 2014, 6, 2279-2289.	1.0	10
6	Non-invasive transdermal two-dimensional mapping of cutaneous oxygenation with a rapid-drying liquid bandage. <i>Biomedical Optics Express</i> , 2014, 5, 3748.	1.5	66
8	Investigation of the Fluorescence Quenching of 1-Aminoanthracene by Dissolved Oxygen in Cyclohexane. <i>Journal of Physical Chemistry A</i> , 2014, 118, 11512-11520.	1.1	5
9	A resonance energy transfer approach for the selective detection of aromatic amino acids. <i>Journal of Materials Chemistry C</i> , 2014, 2, 10157-10163.	2.7	29
10	A highly luminescent and highly oxygen-sensitive Tb(III) complex with a tris-aryloxy functionalised 1,4,7-triazacyclononane ligand. <i>Chemical Communications</i> , 2014, 50, 15737-15739.	2.2	21
11	Response of strongly fluorescent carbazole-based benzoxazole derivatives to external force and acidic vapors. <i>RSC Advances</i> , 2014, 4, 58732-58739.	1.7	30
13	Time-Resolved Emission Imaging Microscopy Using Phosphorescent Metal Complexes: Taking FLIM and PLIM to New Lengths. <i>Structure and Bonding</i> , 2014, , 205-256.	1.0	43
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16	Ultra-sensitive optical oxygen sensors for characterization of nearly anoxic systems. <i>Nature Communications</i> , 2014, 5, 4460.	5.8	161
17	Ultrasensitive Nanosensors Based on Upconversion Nanoparticles for Selective Hypoxia Imaging in Vivo upon Near-Infrared Excitation. <i>Journal of the American Chemical Society</i> , 2014, 136, 9701-9709.	6.6	304
18	Ratiometric Fluorescent Biosensor for Hyaluronidase with Hyaluronan As Both Nanoparticle Scaffold and Substrate for Enzymatic Reaction. <i>Biomacromolecules</i> , 2014, 15, 3383-3389.	2.6	52
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20	Porous Cu(I) Triazolate Framework and Derived Hybrid Membrane with Exceptionally High Sensing Efficiency for Gaseous Oxygen. <i>Advanced Functional Materials</i> , 2014, 24, 5866-5872.	7.8	81
22	Robust optical oxygen sensors based on polymer-bound NIR-emitting platinum(II)-benzoporphyrins. <i>Journal of Materials Chemistry C</i> , 2014, 2, 7589-7598.	2.7	42

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