

Professor Kenneth Lo's article entitled "Dual-Phosphorescent Iridium(III) Complexes Extending Oxygen Sensing from Hypoxia to Hyperoxia" has been published in *Journal of the American Chemical Society*.

The work is about the application of dual-phosphorescent iridium(III) complexes as sensors for oxygen. By manipulating the efficiency of internal conversion between two emissive states, a complex exhibiting green, orange, and red emission in aqueous buffer solution under an atmosphere of nitrogen, air, and oxygen, respectively, has been obtained. Importantly, this complex has been used for intracellular and *in vivo* oxygen sensing not only in the hypoxic region but also in normoxic and hyperoxic intervals. This is the first example of using a molecular probe for simultaneous bioimaging of hypoxia and hyperoxia.

### Reference:

Zhang, K. Y.; Gao, P.; Sun, G.; Zhang, T.; Li, X.; Liu, S.; Zhao, Q.; Lo, K. K.-W.; Huang, W. J. *Am. Chem. Soc.* **2018**, *140*, 7827 ( [Link](#) ).

The screenshot shows the ACS Publications website interface. At the top, there is a navigation bar with the ACS Publications logo and the tagline "Most Trusted. Most Cited. Most Read." On the right, there are links for "ACS Journals", "ACS eBooks", and "C&EN Global Enterprise". Below the navigation bar is a search bar with a "Search" button and a "Citation" button. The search bar contains the text "Enter search text / DOI" and a dropdown menu set to "Anywhere". Below the search bar, there are radio buttons for "J. Am. Chem. Soc." and "All Publications/Website".

The main content area features the JACS logo and the article title "Dual-Phosphorescent Iridium(III) Complexes Extending Oxygen Sensing from Hypoxia to Hyperoxia". The authors listed are Kenneth Yin Zhang<sup>†</sup>, Pengli Gao<sup>†</sup>, Guanglan Sun<sup>†</sup>, Taiwei Zhang<sup>†</sup>, Xiangling Li<sup>†</sup>, Shujuan Liu<sup>†</sup>, Qiang Zhao<sup>\*†</sup>, Kenneth Kam-Wing Lo<sup>\*‡</sup>, and Wei Huang<sup>†§</sup>. The article is published in *J. Am. Chem. Soc.*, **2018**, *140* (25), pp 7827–7834. The DOI is 10.1021/jacs.8b02492. The publication date is June 6, 2018. The copyright is © 2018 American Chemical Society.

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