

Professor Hongjie DAI

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Professor Dai holds a joint appointment in the Department of Chemistry, the Department of Mechanical Engineering, and the School of Biomedical Sciences. Prior to joining HKU, Professor Dai had a tenure of over 26 years at Stanford University, where he is the J G Jackson and C J Wood Professor of Chemistry, Emeritus. His highly interdisciplinary research spanning multiple disciplines including chemistry, physics, materials science, and medicine. He is a pioneering figure in the fields of carbon nanotube and nano-graphene based drug delivery and photothermal therapy, and the inventor of the rechargeable aluminum battery. He has contributed significantly to the development of in vivo near-infrared II/ short-wave infrared biological imaging. Dai has been named Highly Cited Researcher by Clarivate for 10 years from 2014 to 2023 in 3 different fields. In addition, he is a Foreign Member of the Chinese Academy of Sciences, the National Academy of Medicine, USA, the National Academy of Sciences, USA, and the American Academy of Arts and Sciences.

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戴教授在化學系、機械工程系和生物醫學學院擁有聯合教席。在加入香港大學之前，戴教授在史丹福大學任職超過 26 年，並擔任 J G Jackson 和 C J Wood 榮譽化學教授。他的研究橫跨化學、物理、材料科學和醫學多個學科，具有高度的跨學科性。他是碳納米管和納米石墨烯藥物遞送和光熱療法領域的先驅人物，亦發明了可充電的鋁電池，並在體內近紅外 II/ 短波紅外生物成像的發展中做出了重大貢獻。從 2014 年到 2023 年，戴教授被科睿唯安（Clarivate）評為三個不同領域的高被引科學家。此外，他是中國科學院外籍院士、美國國家醫學院院士、美國國家科學院院士和美國藝術與科學學院院士。