

functionalized phosphorescent nanoparticles in bio - 1 introduction luminescence spectroscopy is an essential tool nowadays in the bioanalytical area as the analytical signal allows highly sensitive and selective measurements along with the possibility to perform remote monitoring for direct and in situ chemical sensing particularly key advantage of luminescent sensors with respect to other systems rely on their excellent sensitivity, **oxygen imaging of living cells and tissues using** - biological oxygen imaging using luminescent molecular probes is reviewed metal complexes serve as an oxygen sensing probe for living cells and tissues, **principles and prospects for single pixel imaging nature** - modern digital cameras employ silicon focal plane array fpa image sensors featuring millions of pixels however it is possible to make a camera that only needs one pixel in these cameras a, **xiaoyuan chen national institute of biomedical imaging** - dr chen received his bs 1993 and ms 1996 in chemistry from nanjing university he then came to the united states where he completed his phd degree 1999 in 3 years at the university of idaho under the supervision of prof chien m wai he was involved in chelation chemistry of alpha emitting radionuclides he then moved to upstate new york and spent 16 months as a postdoc at syracuse , **functional imaging of visual cortical layers and subplate** - multiphoton microscopy has been used to perform high resolution structural and functional brain imaging in awake and anesthetized mice 1 2 3 unfortunately two photon microscopy still has several, **ocw course index mit opencourseware free online course** - x exclude words from your search put in front of a word you want to leave out for example jaguar speed car search for an exact match put a word or phrase inside quotes, **wearable disposable sweat based glucose monitoring device** - electrochemical analysis of sweat using soft bioelectronics on human skin provides a new route for noninvasive glucose monitoring without painful blood collection however sweat based glucose sensing still faces many challenges such as difficulty in sweat collection activity variation of glucose oxidase due to lactic acid secretion and ambient temperature changes and delamination of the

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