

Hua Chen

List of Publications by Year in descending order

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31
papers

2,172
citations

361413

20
h-index

414414

32
g-index

32
all docs

32
docs citations

32
times ranked

2361
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	13.7	472
2	A Unique "Integration" Strategy for the Rational Design of Optically Tunable Near-Infrared Fluorophores. <i>Accounts of Chemical Research</i> , 2017, 50, 1410-1422.	15.6	263
3	A unique carbazole-coumarin fused two-photon platform: development of a robust two-photon fluorescent probe for imaging carbon monoxide in living tissues. <i>Chemical Science</i> , 2014, 5, 3439.	7.4	151
4	Single near-infrared fluorescent probe with high- and low-sensitivity sites for sensing different concentration ranges of biological thiols with distinct modes of fluorescence signals. <i>Chemical Science</i> , 2016, 7, 1896-1903.	7.4	130
5	Recent progress in the fluorescent probes for the specific imaging of small molecular weight thiols in living cells. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 76, 166-181.	11.4	119
6	Analogues of Changsha near-infrared dyes with large Stokes Shifts for bioimaging. <i>Biomaterials</i> , 2013, 34, 9566-9571.	11.4	103
7	Construction of a Near-Infrared Fluorescent Turn-On Probe for Selenol and Its Bioimaging Application in Living Animals. <i>Chemistry - A European Journal</i> , 2015, 21, 11696-11700.	3.3	94
8	A Unique Family of Rigid Analogues of the GFP Chromophore with Tunable Two-Photon Action Cross-Sections for Biological Imaging. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 10018-10022.	13.8	92
9	Construction of a near-infrared fluorescence turn-on and ratiometric probe for imaging palladium in living cells. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 1938.	2.8	89
10	A General Approach to Design Dual Ratiometric Fluorescent and Photoacoustic Probes for Quantitatively Visualizing Tumor Hypoxia Levels In Vivo. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	70
11	A two-photon fluorescent turn-on probe for nitroxyl (HNO) and its bioimaging application in living tissues. <i>Chemical Communications</i> , 2015, 51, 5754-5757.	4.1	58
12	Development of a two-photon fluorescent turn-on probe with far-red emission for thiophenols and its bioimaging application in living tissues. <i>Biosensors and Bioelectronics</i> , 2017, 95, 81-86.	10.1	56
13	Development of Unique Xanthene-Cyanine Fused Near-Infrared Fluorescent Fluorophores with Superior Chemical Stability for Biological Fluorescence Imaging. <i>Chemistry - A European Journal</i> , 2015, 21, 733-745.	3.3	53
14	Development of a Unique Class of Spiro-Type Two-Photon Functional Fluorescent Dyes and Their Applications for Sensing and Bioimaging. <i>Advanced Functional Materials</i> , 2016, 26, 8128-8136.	14.9	50
15	Mitochondrial-Targeted and Near-Infrared Fluorescence Probe for Bioimaging and Evaluating Monoamine Oxidase A Activity in Hepatic Fibrosis. <i>ACS Sensors</i> , 2020, 5, 943-951.	7.8	46
16	Inhibitor structure-guided design and synthesis of near-infrared fluorescent probes for monoamine oxidase A (MAO-A) and its application in living cells and <i>in vivo</i> . <i>Chemical Communications</i> , 2019, 55, 2477-2480.	4.1	41
17	Locked-flavylium fluorescent dyes with tunable emission wavelengths based on intramolecular charge transfer for multi-color ratiometric fluorescence imaging. <i>Chemical Communications</i> , 2015, 51, 6968-6971.	4.1	39
18	A chromenoquinoline-based two-photon fluorescent probe for the highly specific and fast visualization of sulfur dioxide derivatives in living cells and zebrafish. <i>Journal of Materials Chemistry B</i> , 2019, 7, 2493-2498.	5.8	36

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19	Development of a unique family of two-photon full-color-tunable fluorescent materials for imaging in live subcellular organelles, cells, and tissues. <i>Journal of Materials Chemistry B</i> , 2017, 5, 2436-2444.	5.8	32
20	A two-photon fluorescent turn-on probe for palladium imaging in living tissues. <i>Sensors and Actuators B: Chemical</i> , 2015, 219, 232-237.	7.8	29
21	A simple strategy for simultaneously enhancing photostability and mitochondrial-targeting stability of near-infrared fluorophores for multimodal imaging-guided photothermal therapy. <i>Journal of Materials Chemistry B</i> , 2021, 9, 1089-1095.	5.8	18
22	Hypericin-Loaded Carbon Nanohorn Hybrid for Combined Photodynamic and Photothermal Therapy in Vivo. <i>Langmuir</i> , 2019, 35, 8228-8237.	3.5	17
23	A red emitting fluorescent probe for sensitively monitoring hydrogen polysulfides in living cells and zebrafish. <i>Sensors and Actuators B: Chemical</i> , 2019, 284, 30-35.	7.8	16
24	Lysosome-Targeted Gold Nanotheranostics for <i>In Situ</i> SERS Monitoring pH and Multimodal Imaging-Guided Phototherapy. <i>Langmuir</i> , 2021, 37, 569-577.	3.5	15
25	Supercharged fluorescent protein functionalized water-soluble poly(<i>N</i> -phenylglycine) nanoparticles for highly effective imaging-guided photothermal therapy. <i>Chemical Communications</i> , 2018, 54, 10292-10295.	4.1	14
26	A General Approach to Design Dual Ratiometric Fluorescent and Photoacoustic Probes for Quantitatively Visualizing Tumor Hypoxia Levels <i>In Vivo</i> . <i>Angewandte Chemie</i> , 2022, 134, .	2.0	12
27	Surface-Enhanced Raman Probes Based on Gold Nanomaterials for <i>in vivo</i> Diagnosis and Imaging. <i>Chemistry - an Asian Journal</i> , 2022, 17, .	3.3	12
28	Constructing a far-red to near-infrared fluorescent probe for highly specific detection of cysteine and its bioimaging applications in living cells and zebrafish. <i>New Journal of Chemistry</i> , 2019, 43, 6696-6701.	2.8	11
29	A long-wavelength fluorescent turn-on probe for video detection of biological thiols in living cells. <i>Analytical Methods</i> , 2015, 7, 4168-4172.	2.7	9
30	A dual-positive charges strategy for sensitive and quantitative detection of mitochondrial SO ₂ in cancer cells and tumor tissue. <i>Talanta</i> , 2022, 249, 123699.	5.5	9
31	Rational engineering of biomimetic flavylum fluorophores for regulating the lysosomal and mitochondrial localization behavior by pH-induced structure switch and application to fluorescence imaging. <i>Journal of Materials Chemistry B</i> , 2022, 10, 3841-3848.	5.8	5