

Kenneth Yin Zhang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4170414/publications.pdf>

Version: 2024-02-01

42
papers

4,251
citations

218677

26
h-index

265206

42
g-index

43
all docs

43
docs citations

43
times ranked

5117
citing authors

#	ARTICLE	IF	CITATIONS
1	Smart responsive phosphorescent materials for data recording and security protection. <i>Nature Communications</i> , 2014, 5, 3601.	12.8	694
2	Long-Lived Emissive Probes for Time-Resolved Photoluminescence Bioimaging and Biosensing. <i>Chemical Reviews</i> , 2018, 118, 1770-1839.	47.7	644
3	A Mitochondria-Targeted Photosensitizer Showing Improved Photodynamic Therapy Effects Under Hypoxia. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 9947-9951.	13.8	422
4	Achieving efficient photodynamic therapy under both normoxia and hypoxia using cyclometalated Ru(II) photosensitizer through type I photochemical process. <i>Chemical Science</i> , 2018, 9, 502-512.	7.4	216
5	Fluorescent/phosphorescent dual-emissive conjugated polymer dots for hypoxia bioimaging. <i>Chemical Science</i> , 2015, 6, 1825-1831.	7.4	205
6	Thermally activated triplet exciton release for highly efficient tri-mode organic afterglow. <i>Nature Communications</i> , 2020, 11, 842.	12.8	194
7	Phosphorescent Polymeric Thermometers for In Vitro and In Vivo Temperature Sensing with Minimized Background Interference. <i>Advanced Functional Materials</i> , 2016, 26, 4386-4396.	14.9	162
8	Dual-Phosphorescent Iridium(III) Complexes Extending Oxygen Sensing from Hypoxia to Hyperoxia. <i>Journal of the American Chemical Society</i> , 2018, 140, 7827-7834.	13.7	151
9	Dynamic metal-ligand coordination for multicolour and water-jet rewritable paper. <i>Nature Communications</i> , 2018, 9, 3.	12.8	128
10	Core-shell structured phosphorescent nanoparticles for detection of exogenous and endogenous hypochlorite in live cells via ratiometric imaging and photoluminescence lifetime imaging microscopy. <i>Chemical Science</i> , 2015, 6, 301-307.	7.4	124
11	Utilization of Electrochromically Luminescent Transition-Metal Complexes for Erasable Information Recording and Temperature-Related Information Protection. <i>Advanced Materials</i> , 2016, 28, 7137-7142.	21.0	106
12	Upconversion Luminescent Chemodosimeter Based on NIR Organic Dye for Monitoring Methylmercury In Vivo. <i>Advanced Functional Materials</i> , 2016, 26, 1945-1953.	14.9	106
13	Dual-Emissive Cyclometalated Iridium(III) Polypyridine Complexes as Ratiometric Biological Probes and Organelle-Selective Bioimaging Reagents. <i>Inorganic Chemistry</i> , 2015, 54, 6582-6593.	4.0	100
14	Luminescent gold nanocluster-based sensing platform for accurate H ₂ S detection in vitro and in vivo with improved anti-interference. <i>Light: Science and Applications</i> , 2017, 6, e17107-e17107.	16.6	85
15	A carborane-triggered metastable charge transfer state leading to spontaneous recovery of mechanochromic luminescence. <i>Chemical Communications</i> , 2016, 52, 12494-12497.	4.1	82
16	A Mitochondria-Targeted Photosensitizer Showing Improved Photodynamic Therapy Effects Under Hypoxia. <i>Angewandte Chemie</i> , 2016, 128, 10101-10105.	2.0	77
17	An Electrochromic Phosphorescent Iridium(III) Complex for Information Recording, Encryption, and Decryption. <i>Advanced Optical Materials</i> , 2015, 3, 368-375.	7.3	72
18	Tunable Electrochromic Luminescence of Iridium(III) Complexes for Information Self-Encryption and Anti-Counterfeiting. <i>Advanced Optical Materials</i> , 2016, 4, 1167-1173.	7.3	67

#	ARTICLE	IF	CITATIONS
19	Bioorthogonal α -Labeling after Recognition—Affording an FRET-Based Luminescent Probe for Detecting and Imaging Caspase-3 via Photoluminescence Lifetime Imaging. <i>Journal of the American Chemical Society</i> , 2020, 142, 1057-1064.	13.7	64
20	Dual-Emissive Phosphorescent Polymer Probe for Accurate Temperature Sensing in Living Cells and Zebrafish Using Ratiometric and Phosphorescence Lifetime Imaging Microscopy. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 17542-17550.	8.0	56
21	Photothermal-triggered release of singlet oxygen from an endoperoxide-containing polymeric carrier for killing cancer cells. <i>Materials Horizons</i> , 2017, 4, 1185-1189.	12.2	50
22	Dual-emissive Polymer Dots for Rapid Detection of Fluoride in Pure Water and Biological Systems with Improved Reliability and Accuracy. <i>Scientific Reports</i> , 2015, 5, 16420.	3.3	48
23	Luminescent ion pairs with tunable emission colors for light-emitting devices and electrochromic switches. <i>Chemical Science</i> , 2017, 8, 348-360.	7.4	45
24	Phosphorescent iridium(ⁱⁱⁱ) complexes capable of imaging and distinguishing between exogenous and endogenous analytes in living cells. <i>Chemical Science</i> , 2018, 9, 7236-7240.	7.4	45
25	Using Ultrafast Responsive Phosphorescent Nanoprobe to Visualize Elevated Peroxynitrite In Vitro and In Vivo via Ratiometric and Time-Resolved Photoluminescence Imaging. <i>Advanced Healthcare Materials</i> , 2018, 7, e1800309.	7.6	35
26	Color-Tunable Dual Persistent Emission Via a Triplet Exciton Reservoir for Temperature Sensing and Anti-Counterfeiting. <i>Advanced Optical Materials</i> , 2022, 10, 2101773.	7.3	34
27	Layer-by-Layer 2D Ultrathin Conductive Cu ₃ (HHTP) ₂ Film for High-Performance Flexible Transparent Supercapacitors. <i>Advanced Materials Interfaces</i> , 2021, 8, 2100308.	3.7	30
28	Bioorthogonal Labeling, Bioimaging, and Photocytotoxicity Studies of Phosphorescent Ruthenium(II) Polypyridine Dibenzocyclooctyne Complexes. <i>Chemistry - A European Journal</i> , 2015, 21, 10729-10740.	3.3	25
29	Phosphorescence switch and logic gate of iridium(ⁱⁱⁱ) complexes containing a triarylboron moiety triggered by fluoride and an electric field. <i>Journal of Materials Chemistry C</i> , 2015, 3, 1883-1887.	5.5	23
30	Rational Design of Phosphorescent Iridium(III) Complexes for Selective Glutathione Sensing and Amplified Photodynamic Therapy. <i>ChemBioChem</i> , 2019, 20, 576-586.	2.6	21
31	Manipulating Electroluminescence Behavior of Viologen-Substituted Iridium(III) Complexes through Ligand Engineering for Information Display and Encryption. <i>Advanced Materials</i> , 2022, 34, e2107013.	21.0	19
32	De Novo Design of Polymeric Carrier to Photothermally Release Singlet Oxygen for Hypoxic Tumor Treatment. <i>Research</i> , 2019, 2019, 9269081.	5.7	18
33	A series of iridophosphors with tunable excited states for hypoxia monitoring via time-resolved luminescence microscopy. <i>Journal of Materials Chemistry C</i> , 2016, 4, 10638-10645.	5.5	17
34	Boron-Functionalized Phosphorescent Iridium(III) Complexes. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 4393-4405.	2.0	16
35	Simple fluorene oxadiazole-based Ir(ⁱⁱⁱ) complexes with AIPE properties: synthesis, explosive detection and electroluminescence studies. <i>Dalton Transactions</i> , 2019, 48, 13305-13314.	3.3	14
36	Development of Two-Channel Phosphorescent Core-Shell Nanoprobe for Ratiometric and Time-Resolved Luminescence Imaging of Intracellular Oxygen Levels. <i>Particle and Particle Systems Characterization</i> , 2015, 32, 48-53.	2.3	13

#	ARTICLE	IF	CITATIONS
37	Dynamic tuning of metal–ligand coordination through water molecules to induce multicolor fluorescence variations for humidity monitoring and anti-counterfeiting applications. <i>Journal of Materials Chemistry C</i> , 2021, 9, 5945-5951.	5.5	11
38	Cyclometalated iridium(III) complexes containing an anthracene unit for sensing and imaging singlet oxygen in cellular mitochondria. <i>Journal of Inorganic Biochemistry</i> , 2020, 209, 111106.	3.5	10
39	RGD–Peptide–Modified NaLuF ₄ :Yb,Er Nanocrystals for Upconversion–Luminescence–Targeted Tumor–Cell Imaging. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 5169-5175.	2.0	6
40	Cell–Membrane Staining Properties and Photocytotoxicity of a Ruthenium(II) Photosensitizer. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 3996-4001.	2.0	4
41	Cellular imaging properties of phosphorescent iridium(III) complexes substituted with ester or amide groups. <i>Dalton Transactions</i> , 2022, 51, 10501-10506.	3.3	4
42	Dual-lifetime luminescent probe for time-resolved ratiometric oxygen sensing and imaging. <i>Dalton Transactions</i> , 2022, 51, 6095-6102.	3.3	3