

Bo Song

List of Publications by Year in descending order

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Version: 2024-02-01

90
papers

4,329
citations

94269

37
h-index

114278

63
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92
all docs

92
docs citations

92
times ranked

4109
citing authors

#	ARTICLE	IF	CITATIONS
1	Ruthenium(II) complex-based long-lived two-photon luminescence probe for dynamic monitoring of glutathione S-transferases in mouse models of drug-induced liver injury. <i>Sensors and Actuators B: Chemical</i> , 2022, 357, 131440.	4.0	10
2	Lifetime Multiplexing with Lanthanide Complexes for Luminescence <i>in Situ</i> Hybridisation. <i>Analysis & Sensing</i> , 2022, 2, .	1.1	2
3	Development of a fluorescein modified ruthenium(II) complex probe for lysosome-targeted ratiometric luminescence detection and imaging of peroxynitrite in living cells. <i>Analytica Chimica Acta</i> , 2022, 1205, 339784.	2.6	14
4	Critical Role of Organoamines in the Irreversible Degradation of a Metal Halide Perovskite Precursor Colloid: Mechanism and Inhibiting Strategy. <i>ACS Energy Letters</i> , 2022, 7, 481-489.	8.8	26
5	A multifunctional nanoprobe based on europium(Fe_3O_4) nanoparticles for bimodal time-gated luminescence/magnetic resonance imaging of cancer cells <i>in vitro</i> and <i>in vivo</i> . <i>New Journal of Chemistry</i> , 2022, 46, 9658-9665.	1.4	7
6	Indole-substituted flavonol-based cysteine fluorescence sensing and subsequent precisely controlled linear CO liberation. <i>Analyst</i> , The, 2022, 147, 3360-3369.	1.7	3
7	A Ruthenium(II) complex-based probe for colorimetric and luminescent detection and imaging of hydrogen sulfide in living cells and organisms. <i>Analytica Chimica Acta</i> , 2021, 1145, 114-123.	2.6	22
8	Diemissive dye@CP composites with full-spectrum tunable mechanoluminescence. <i>Journal of Materials Chemistry C</i> , 2021, 9, 15165-15174.	2.7	3
9	Color-Tunable Long-Lived Room-Temperature Phosphorescence in a Coordination Polymer Based on a Nonaromatic Ligand and Its Phosphor/Coordination Polymer-Doped Systems. <i>Chemistry of Materials</i> , 2021, 33, 7272-7282.	3.2	19
10	Bioconjugates of versatile Ln^2 -diketonate lanthanide complexes as probes for time-gated luminescence and magnetic resonance imaging of cancer cells <i>in vitro</i> and <i>in vivo</i> . <i>Journal of Materials Chemistry B</i> , 2021, 9, 3161-3167.	2.9	3
11	A Cr^{3+} ion probe based on non-luminescent metal-organic framework-new strategy to prepare a recovery probe. <i>Journal of Materials Chemistry A</i> , 2021, 9, 13552-13561.	5.2	20
12	Development of a tumor-targetable heteropolymetallic lanthanide-complex-based magnetoluminescent probe for dual-modal time-gated luminescence/magnetic resonance imaging of cancer cells <i>in vitro</i> and <i>in vivo</i> . <i>New Journal of Chemistry</i> , 2021, 45, 9181-9188.	1.4	4
13	Cationic Porphyrin-Mediated G-Quadruplex DNA Oxidative Damage: Regulated by the Initial Interplay between DNA and TMPyP4. <i>Biochemistry</i> , 2021, 60, 3707-3713.	1.2	5
14	Sustainable and Practical Access to Epoxides: Metal-Free Aerobic Epoxidation of Olefins Mediated by Peroxy Radical Generated <i>In Situ</i> . <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 1178-1184.	3.2	12
15	A visible-light-excitable mitochondria-targeted europium complex probe for hypochlorous acid and its application to time-gated luminescence bioimaging. <i>Biosensors and Bioelectronics</i> , 2020, 168, 112560.	5.3	22
16	Tumor-targetable magnetoluminescent silica nanoparticles for bimodal time-gated luminescence/magnetic resonance imaging of cancer cells <i>in vitro</i> and <i>in vivo</i> . <i>Talanta</i> , 2020, 220, 121378.	2.9	11
17	Smart Bimodal Imaging of Hypochlorous Acid <i>In Vivo</i> Using a Heterobimetallic Ruthenium(II)-Gadolinium(III) Complex Probe. <i>Analytical Chemistry</i> , 2020, 92, 11145-11154.	3.2	17
18	Two Birds with One Stone-Ruthenium(II) Complex Probe for Biothiols Discrimination and Detection <i>In Vitro</i> and <i>In Vivo</i> . <i>Advanced Science</i> , 2020, 7, 2000458.	5.6	40

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19	Time-gated luminescence probe for ratiometric and luminescence lifetime detection of Hypochorous acid in lysosomes of live cells. <i>Talanta</i> , 2020, 212, 120760.	2.9	19
20	Responsive ruthenium complex probe for phosphorescence and time-gated luminescence detection of bisulfite. <i>Dalton Transactions</i> , 2020, 49, 5531-5538.	1.6	14
21	A dual-targeted theranostic photosensitizer based on a TADF fluorescein derivative. <i>Journal of Controlled Release</i> , 2019, 310, 1-10.	4.8	29
22	A folic acid-functionalized dual-emissive nanoprobe for "double-check" luminescence imaging of cancer cells. <i>Methods</i> , 2019, 168, 102-108.	1.9	3
23	Precise Monitoring of Drug-Induced Kidney Injury Using an Endoplasmic Reticulum-Targetable Ratiometric Time-Gated Luminescence Probe for Superoxide Anions. <i>Analytical Chemistry</i> , 2019, 91, 14019-14028.	3.2	37
24	Mitochondria-Targetable Ratiometric Time-Gated Luminescence Probe for Carbon Monoxide Based on Lanthanide Complexes. <i>Analytical Chemistry</i> , 2019, 91, 2939-2946.	3.2	51
25	A dual-modal nanoprobe based on Eu(III) complexed MnO ₂ nanosheet nanocomposites for time-gated luminescence magnetic resonance imaging of glutathione in vitro and in vivo. <i>Nanoscale</i> , 2019, 11, 6784-6793.	2.8	21
26	"Dual-Key-and-Lock" Ruthenium Complex Probe for Lysosomal Formaldehyde in Cancer Cells and Tumors. <i>Journal of the American Chemical Society</i> , 2019, 141, 8462-8472.	6.6	135
27	Nitroreductase-Activatable Theranostic Molecules with High PDT Efficiency under Mild Hypoxia Based on a TADF Fluorescein Derivative. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 15426-15435.	4.0	118
28	Iridium(III) Complex-Based Activatable Probe for Phosphorescent/Time-Gated Luminescent Sensing and Imaging of Cysteine in Mitochondria of Live Cells and Animals. <i>Chemistry - A European Journal</i> , 2019, 25, 1498-1506.	1.7	40
29	A ratiometric time-gated luminescence probe for hydrogen sulfide based on copper(II)-coupled lanthanide complexes. <i>Analytica Chimica Acta</i> , 2019, 1049, 152-160.	2.6	28
30	Development of a mitochondria targetable ratiometric time-gated luminescence probe for biothiols based on lanthanide complexes. <i>Journal of Materials Chemistry B</i> , 2018, 6, 1844-1851.	2.9	19
31	Quantitative Monitoring and Visualization of Hydrogen Sulfide In Vivo Using a Luminescent Probe Based on a Ruthenium(II) Complex. <i>Angewandte Chemie</i> , 2018, 130, 4063-4068.	1.6	11
32	A FRET chemosensor for hypochlorite with large Stokes shifts and long-lifetime emissions. <i>Sensors and Actuators B: Chemical</i> , 2018, 262, 958-965.	4.0	36
33	Quantitative Monitoring and Visualization of Hydrogen Sulfide In Vivo Using a Luminescent Probe Based on a Ruthenium(II) Complex. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 3999-4004.	7.2	98
34	Bioanalytical methods for hypochlorous acid detection: Recent advances and challenges. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 99, 1-33.	5.8	190
35	A ruthenium(II) complexed cyanine energy transfer scaffold based luminescence probe for ratiometric detection and imaging of mitochondrial peroxynitrite. <i>Chemical Communications</i> , 2018, 54, 13698-13701.	2.2	43
36	A lysosome-targeting nanosensor for simultaneous fluorometric imaging of intracellular pH values and temperature. <i>Mikrochimica Acta</i> , 2018, 185, 533.	2.5	20

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37	Development of a ruthenium(II) complex-based luminescence probe for detection of hydrogen sulfite in food samples. <i>Microchemical Journal</i> , 2018, 141, 181-187.	2.3	21
38	Construction of a multifunctional nanoprobe for tumor-targeted time-gated luminescence and magnetic resonance imaging <i>in vitro</i> and <i>in vivo</i> . <i>Nanoscale</i> , 2018, 10, 11597-11603.	2.8	20
39	Bimodal Phosphorescence- ⁶⁴ Magnetic Resonance Imaging Nanoprobes for Glutathione Based on MnO ₂ Nanosheet- ⁶⁴ Ru(II) Complex Nanoarchitecture. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 27681-27691.	4.0	37
40	Development of a novel FePt-based multifunctional ferroptosis agent for high-efficiency anticancer therapy. <i>Nanoscale</i> , 2018, 10, 17858-17864.	2.8	47
41	Extending the excitation wavelength from UV to visible light for a europium complex-based mitochondria targetable luminescent probe for singlet oxygen. <i>Dalton Transactions</i> , 2018, 47, 12852-12857.	1.6	29
42	Red-Emitting Ruthenium(II) and Iridium(III) Complexes as Phosphorescent Probes for Methylglyoxal in Vitro and in Vivo. <i>Inorganic Chemistry</i> , 2017, 56, 1309-1318.	1.9	42
43	A Stimuli-Responsive Smart Lanthanide Nanocomposite for Multidimensional Optical Recording and Encryption. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 2689-2693.	7.2	181
44	A Stimuli-Responsive Smart Lanthanide Nanocomposite for Multidimensional Optical Recording and Encryption. <i>Angewandte Chemie</i> , 2017, 129, 2733-2737.	1.6	132
45	Development of organelle-targetable europium complex probes for time-gated luminescence imaging of hypochlorous acid in live cells and animals. <i>Dyes and Pigments</i> , 2017, 140, 407-416.	2.0	35
46	Development of a novel europium complex-based luminescent probe for time-gated luminescence imaging of hypochlorous acid in living samples. <i>Methods and Applications in Fluorescence</i> , 2017, 5, 014009.	1.1	13
47	Development of a Novel Lysosome-Targeted Ruthenium(II) Complex for Phosphorescence/Time-Gated Luminescence Assay of Biothiols. <i>Analytical Chemistry</i> , 2017, 89, 4517-4524.	3.2	105
48	A mitochondria-targeting time-gated luminescence probe for hypochlorous acid based on a europium complex. <i>Journal of Materials Chemistry B</i> , 2017, 5, 2849-2855.	2.9	44
49	Enhanced Thermally Activated Delayed Fluorescence in New Fluorescein Derivatives By Introducing Aromatic Carbonyl Groups. <i>ChemPhotoChem</i> , 2017, 1, 79-83.	1.5	29
50	Time-gated luminescence imaging of singlet oxygen photoinduced by fluoroquinolones and functionalized graphenes in <i>Daphnia magna</i> . <i>Aquatic Toxicology</i> , 2017, 191, 105-112.	1.9	13
51	Dual-emissive nanoarchitecture of lanthanide-complex-modified silica particles for <i>in vivo</i> ratiometric time-gated luminescence imaging of hypochlorous acid. <i>Chemical Science</i> , 2017, 8, 150-159.	3.7	99
52	A unique iridium(III) complex-based chemosensor for multi-signal detection and multi-channel imaging of hypochlorous acid in liver injury. <i>Biosensors and Bioelectronics</i> , 2017, 87, 1005-1011.	5.3	117
53	Development of a novel lysosome-targetable time-gated luminescence probe for ratiometric and luminescence lifetime detection of nitric oxide <i>in vivo</i> . <i>Chemical Science</i> , 2017, 8, 1969-1976.	3.7	76
54	Enabling the Triplet of Tetraphenylethene to Sensitize the Excited State of Europium(III) for Protein Detection and Time-Resolved Luminescence Imaging. <i>Advanced Science</i> , 2016, 3, 1600146.	5.6	31

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55	Background-free in-vivo Imaging of Vitamin C using Time-gateable Responsive Probe. <i>Scientific Reports</i> , 2015, 5, 14194.	1.6	37
56	Mitochondria Targetable Time-Gated Luminescence Probe for Singlet Oxygen Based on a β -Diketonate-Europium Complex. <i>Inorganic Chemistry</i> , 2015, 54, 11660-11668.	1.9	85
57	Development of a Functional Ruthenium(II) Complex that Can Act as a Photoluminescent and Electrochemiluminescent Dual-signaling Probe for Hypochlorous Acid. <i>Journal of Fluorescence</i> , 2015, 25, 997-1004.	1.3	6
58	A functional ruthenium(II) complex for imaging biothiols in living bodies. <i>Dalton Transactions</i> , 2015, 44, 8278-8283.	1.6	16
59	A ruthenium(II) complex-based lysosome-targetable multisignal chemosensor for in vivo detection of hypochlorous acid. <i>Biomaterials</i> , 2015, 68, 21-31.	5.7	113
60	Ratiometric Time-Gated Luminescence Probe for Nitric Oxide Based on an Apoferritin-Assembled Lanthanide Complex-Rhodamine Luminescence Resonance Energy Transfer System. <i>Analytical Chemistry</i> , 2015, 87, 10878-10885.	3.2	35
61	Syntheses of new chlorin derivatives containing maleimide functional group and their photodynamic activity evaluation. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 4078-4081.	1.0	23
62	A novel heterobimetallic Ru(II)-Gd(III) complex-based magnetoluminescent agent for MR and luminescence imaging. <i>RSC Advances</i> , 2015, 5, 96525-96531.	1.7	4
63	Ratiometric Time-Gated Luminescence Probe for Hydrogen Sulfide Based on Lanthanide Complexes. <i>Analytical Chemistry</i> , 2014, 86, 11883-11889.	3.2	66
64	Development of a functional ruthenium(II) complex for probing hypochlorous acid in living cells. <i>Dalton Transactions</i> , 2014, 43, 8414.	1.6	43
65	Preparation and functionalization of a visible-light-excited europium complex-modified luminescent protein for cell imaging applications. <i>Analyst</i> , 2014, 139, 1162.	1.7	13
66	Design and Synthesis of a New Terbium Complex-Based Luminescent Probe for Time-Resolved Luminescence Sensing of Zinc Ions. <i>Journal of Fluorescence</i> , 2014, 24, 1537-1544.	1.3	10
67	Preparation of visible-light-excited europium biolabels for time-resolved luminescence cell imaging application. <i>Talanta</i> , 2013, 108, 143-149.	2.9	23
68	A Lanthanide Complex-Based Ratiometric Luminescence Probe for Time-Gated Luminescence Detection of Intracellular Thiols. <i>Analytical Chemistry</i> , 2013, 85, 11658-11664.	3.2	72
69	Highly sensitive and selective phosphorescent chemosensors for hypochlorous acid based on ruthenium(II) complexes. <i>Biosensors and Bioelectronics</i> , 2013, 50, 1-7.	5.3	49
70	Development of a Ruthenium(II) Complex-Based Luminescent Probe for Hypochlorous Acid in Living Cells. <i>Inorganic Chemistry</i> , 2013, 52, 10325-10331.	1.9	76
71	Development of singlet oxygen-responsive phosphorescent ruthenium(II) complexes. <i>Dalton Transactions</i> , 2013, 42, 14380.	1.6	22
72	Synthesis and cell localization of self-assembled dinuclear lanthanide bioprobes. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2013, 371, 20120295.	1.6	9

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73	A europium(III)-based PARACEST agent for sensing singlet oxygen by MRI. Dalton Transactions, 2013, 42, 8066.	1.6	35
74	Selective Breast Cancer Cell Capture, Culture, and Immunocytochemical Analysis Using Self-Assembled Magnetic Bead Patterns in a Microfluidic Chip. Langmuir, 2010, 26, 6091-6096.	1.6	46
75	Increasing the efficiency of lanthanide luminescent bioprobes: bioconjugated silica nanoparticles as markers for cancerous cells. New Journal of Chemistry, 2010, 34, 2915.	1.4	33
76	Multiphoton-Excited Luminescent Lanthanide Bioprobes: Two- and Three-Photon Cross Sections of Dipicolinate Derivatives and Binuclear Helicates. Journal of Physical Chemistry B, 2010, 114, 2932-2937.	1.2	70
77	Bioconjugated lanthanide luminescent helicates as multilabels for lab-on-a-chip detection of cancer biomarkers. Analyst, The, 2010, 135, 42-52.	1.7	84
78	Luminescent Bimetallic Lanthanide Bioprobes for Cellular Imaging with Excitation in the Visible Light Range. Chemistry - A European Journal, 2009, 15, 885-900.	1.7	149
79	On-Chip Immunoassay Using Electrostatic Assembly of Streptavidin-Coated Bead Micropatterns. Analytical Chemistry, 2009, 81, 6509-6515.	3.2	50
80	Time-resolved lanthanide luminescence for lab-on-a-chip detection of biomarkers on cancerous tissues. Analyst, The, 2009, 134, 1991.	1.7	32
81	A Versatile Ditopic Ligand System for Sensitizing the Luminescence of Bimetallic Lanthanide Bioimaging Probes. Chemistry - A European Journal, 2008, 14, 1726-1739.	1.7	107
82	A versatile method for quantification of DNA and PCR products based on time-resolved Eu(III) luminescence. Analyst, The, 2008, 133, 1749.	1.7	32
83	Time-resolved luminescence microscopy of bimetallic lanthanide helicates in living cells. Organic and Biomolecular Chemistry, 2008, 6, 4125.	1.5	90
84	Effect of the length of polyoxyethylene substituents on luminescent bimetallic lanthanide bioprobes. New Journal of Chemistry, 2008, 32, 1140.	1.4	43
85	A Polyoxyethylene-Substituted Bimetallic Europium Helicate for Luminescent Staining of Living Cells. Chemistry - A European Journal, 2007, 13, 9515-9526.	1.7	97
86	Luminescence and Raman spectroscopic studies on the damage of tryptophan, histidine and carnosine by singlet oxygen. Journal of Photochemistry and Photobiology A: Chemistry, 2007, 189, 39-45.	2.0	24
87	A Europium(III) Complex as an Efficient Singlet Oxygen Luminescence Probe. Journal of the American Chemical Society, 2006, 128, 13442-13450.	6.6	342
88	A new terbium(III) chelate as an efficient singlet oxygen fluorescence probe. Free Radical Biology and Medicine, 2006, 40, 1644-1653.	1.3	42
89	Synthesis and time-resolved fluorimetric application of a europium chelate-based phosphorescence probe specific for singlet oxygen. New Journal of Chemistry, 2005, 29, 1431.	1.4	37
90	A new europium chelate-based phosphorescence probe specific for singlet oxygen. Chemical Communications, 2005, , 3553.	2.2	91