

Ga-Lai Law

List of Publications by Year in descending order

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92
papers

3,967
citations

76196

40
h-index

123241

61
g-index

103
all docs

103
docs citations

103
times ranked

4628
citing authors

#	ARTICLE	IF	CITATIONS
1	A Highly Porous Luminescent Terbium ^{III} Organic Framework for Reversible Anion Sensing. <i>Advanced Materials</i> , 2006, 18, 1051-1054.	11.1	381
2	Octadentate Cages of Tb(III) 2-Hydroxyisophthalamides: A New Standard for Luminescent Lanthanide Labels. <i>Journal of the American Chemical Society</i> , 2011, 133, 19900-19910.	6.6	198
3	Chiral transcription in self-assembled tetrahedral Eu ^{III} chiral cages displaying sizable circularly polarized luminescence. <i>Nature Communications</i> , 2017, 8, 1128.	5.8	128
4	Responsive and reactive terbium complexes with an azaxanthone sensitiser and one naphthyl group: applications in ratiometric oxygen sensing in vitro and in regioselective cell killing. <i>Chemical Communications</i> , 2009, , 7321.	2.2	111
5	White OLED with a Single-Component Europium Complex. <i>Inorganic Chemistry</i> , 2009, 48, 10492-10494.	1.9	110
6	Simultaneous synthesis and functionalization of water-soluble up-conversion nanoparticles for in-vitro cell and nude mouse imaging. <i>Nanoscale</i> , 2011, 3, 2175.	2.8	107
7	Emissive Terbium Probe for Multiphoton <i>in Vitro</i> Cell Imaging. <i>Journal of the American Chemical Society</i> , 2008, 130, 3714-3715.	6.6	106
8	Chirality and Chiroptics of Lanthanide Molecular and Supramolecular Assemblies. <i>CheM</i> , 2019, 5, 3058-3095.	5.8	102
9	Two-photon microscopy study of the intracellular compartmentalisation of emissive terbium complexes and their oligo-arginine and oligo-guanidinium conjugates. <i>Chemical Communications</i> , 2008, , 2435.	2.2	87
10	A Single Sensitizer for the Excitation of Visible and NIR Lanthanide Emitters in Water with High Quantum Yields. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 2371-2374.	7.2	84
11	Functionalized Europium Nanorods for In Vitro Imaging. <i>Inorganic Chemistry</i> , 2008, 47, 5190-5196.	1.9	74
12	Gadolinium ^{III} Europium Carbonate Particles: Controlled Precipitation for Luminescent Biolabeling. <i>Chemistry of Materials</i> , 2010, 22, 6153-6161.	3.2	71
13	In vivo selective cancer-tracking gadolinium eradicator as new-generation photodynamic therapy agent. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E5492-7.	3.3	70
14	Interband Absorption Enhanced Optical Activity in Discrete Au@Ag Core-Shell Nanocuboids: Probing Extended Helical Conformation of Chemisorbed Cysteine Molecules. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 1283-1288.	7.2	70
15	Bifunctional up-converting lanthanide nanoparticles for selective in vitro imaging and inhibition of cyclin D as anti-cancer agents. <i>Journal of Materials Chemistry B</i> , 2014, 2, 84-91.	2.9	67
16	Highly Luminescent Sm ^{III} Complexes with Intraligand Charge-Transfer Sensitization and the Effect of Solvent Polarity on Their Luminescent Properties. <i>Inorganic Chemistry</i> , 2015, 54, 3725-3727.	1.9	67
17	Nonlinear optical activity in dipolar organic lanthanide complexes. <i>Journal of Materials Chemistry</i> , 2010, 20, 4074.	6.7	65
18	New Insights into Structure and Luminescence of Eu ^{III} and Sm ^{III} Complexes of the 3,4,3-LI(1,2-HOPO) Ligand. <i>Journal of the American Chemical Society</i> , 2015, 137, 2816-2819.	6.6	64

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19	Interband Absorption Enhanced Optical Activity in Discrete Au@Ag Core-Shell Nanocuboids: Probing Extended Helical Conformation of Chemisorbed Cysteine Molecules. <i>Angewandte Chemie</i> , 2017, 129, 1303-1308.	1.6	64
20	Chiral DOTA chelators as an improved platform for biomedical imaging and therapy applications. <i>Nature Communications</i> , 2018, 9, 857.	5.8	64
21	The nature of the sensitizer substituent determines quenching sensitivity and protein affinity and influences the design of emissive lanthanide complexes as optical probes for intracellular use. <i>Organic and Biomolecular Chemistry</i> , 2008, 6, 2256.	1.5	62
22	Lanthanide supramolecular helical diastereoselective breaking induced by point chirality: mixture of P-helix, M-helix. <i>Chemical Communications</i> , 2015, 51, 592-595.	2.2	61
23	A smart "off-gate" for the in situ detection of hydrogen sulphide with Cu(II)-assisted europium emission. <i>Chemical Science</i> , 2016, 7, 2151-2156.	3.7	61
24	Terbium Luminescence Sensitized through Three-Photon Excitation in a Self-Assembled Unlinked Antenna. <i>Journal of Physical Chemistry B</i> , 2007, 111, 10858-10861.	1.2	59
25	Impressive Europium Red Emission Induced by Two-Photon Excitation for Biological Applications. <i>Inorganic Chemistry</i> , 2011, 50, 5309-5311.	1.9	58
26	Crystal Structure and Luminescence of Lanthanide Monodentate Complexes [Ln(C ₄ N ₄ H ₆ O) ₂ (H ₂ O) ₆]Cl ₃ and [Ln(C ₄ N ₄ H ₆ O) ₂ (H ₂ O) ₃ (NO ₃) ₃] (Ln = Tb or Eu). <i>Inorganic Chemistry</i> , 2005, 44, 4142-4144.	1.9	56
27	Observation of the selective staining of chromosomal DNA in dividing cells using a luminescent terbium(III) complex. <i>Chemical Communications</i> , 2010, 46, 2391.	2.2	54
28	Simultaneous Observation of Green Multiphoton Upconversion and Red and Blue NLO Processes from Polymeric Terbium(III) Complexes. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 3436-3439.	7.2	53
29	Structural Characterization of Shielded Isomeric Europium Complexes with Metal-Metal Contact. <i>Inorganic Chemistry</i> , 2007, 46, 9754-9759.	1.9	51
30	Dual-Targeting Peptide-Guided Approach for Precision Delivery and Cancer Monitoring by Using a Safe Upconversion Nanoplatfrom. <i>Advanced Science</i> , 2021, 8, e2002919.	5.6	51
31	Synthesis, Crystal Structures, and Luminescence of Organic-Lanthanide Complexes with Nicotinate and Isonicotinate Ligands. <i>Inorganic Chemistry</i> , 2008, 47, 9431-9438.	1.9	49
32	A potential water-soluble ytterbium-based porphyrin-cyclen dual bio-probe for Golgi apparatus imaging and photodynamic therapy. <i>Chemical Communications</i> , 2012, 48, 9646.	2.2	49
33	A Smart Europium-Ruthenium Complex as Anticancer Prodrug: Controllable Drug Release and Real-Time Monitoring under Different Light Excitations. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 8923-8932.	2.9	49
34	Unusual Magnetic Field Responsive Circularly Polarized Luminescence Probes with Highly Emissive Chiral Europium(III) Complexes. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 1004-1010.	7.2	49
35	Efficient Selenium-Catalyzed Selective C(sp ³)-H Oxidation of Benzylpyridines with Molecular Oxygen. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 1588-1593.	2.1	48
36	Mechanistic Investigation of Inducing Triboluminescence in Lanthanide(III) ¹² -Diketonate Complexes. <i>Inorganic Chemistry</i> , 2017, 56, 5135-5140.	1.9	48

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37	Evidence for the optical signalling of changes in bicarbonate concentration within the mitochondrial region of living cells. <i>Chemical Communications</i> , 2011, 47, 7347.	2.2	47
38	Circularly Polarized Luminescence of Curium: A New Characterization of the 5f Actinide Complexes. <i>Journal of the American Chemical Society</i> , 2012, 134, 15545-15549.	6.6	47
39	Luminescent Tb ³⁺ Complex with Pendant Crown Ether Showing Dual-Component Recognition of H ⁺ and K ⁺ at Multiple pH Windows. <i>Organic Letters</i> , 2004, 6, 4841-4844.	2.4	42
40	New Class of Bright and Highly Stable Chiral Cyclen Europium Complexes for Circularly Polarized Luminescence Applications. <i>Inorganic Chemistry</i> , 2016, 55, 9065-9070.	1.9	42
41	EBNA1-targeted inhibitors: Novel approaches for the treatment of Epstein-Barr virus-associated cancers. <i>Theranostics</i> , 2018, 8, 5307-5319.	4.6	39
42	Assembly of Lanthanide(III) Cubanes and Dimers with Single-Molecule Magnetism and Photoluminescence. <i>Inorganic Chemistry</i> , 2018, 57, 6893-6902.	1.9	38
43	The mechanism of quenching of the lanthanide excited state for optical probes using sensitised emission. <i>Dalton Transactions</i> , 2009, , 8481.	1.6	36
44	Efficient Palladium-Catalyzed Direct C-H Phenylselenylation of (Hetero)Arenes in Water. <i>Asian Journal of Organic Chemistry</i> , 2015, 4, 875-878.	1.3	36
45	A lysosome-specific two-photon phosphorescent binuclear cyclometalated platinum(II) probe for in vivo imaging of live neurons. <i>Chemical Communications</i> , 2014, 50, 4161.	2.2	35
46	A highly selective on/off-responsive lanthanide(III) based probe for recognition of copper and hydrogen sulfide. <i>Dalton Transactions</i> , 2016, 45, 928-935.	1.6	35
47	Biomimetic multifunctional persistent luminescence nanoprobe for long-term near-infrared imaging and therapy of cerebral and cerebellar gliomas. <i>Science Advances</i> , 2022, 8, eabm7077.	4.7	29
48	Fast uptake, water-soluble, mitochondria-specific erbium complex for a dual function molecular probe – imaging and photodynamic therapy. <i>RSC Advances</i> , 2013, 3, 382-385.	1.7	28
49	EBNA1-targeted probe for the imaging and growth inhibition of tumours associated with the Epstein-Barr virus. <i>Nature Biomedical Engineering</i> , 2017, 1, .	11.6	27
50	Friend or foe? The role of solvents in non-triplet, intraligand charge transfer sensitization of lanthanide(III) luminescence. <i>RSC Advances</i> , 2016, 6, 74100-74109.	1.7	26
51	Effects of Ligand Geometry on the Photophysical Properties of Photoluminescent Eu(III) and Sm(III) 1-Hydroxypyridin-2-one Complexes in Aqueous Solution. <i>Inorganic Chemistry</i> , 2016, 55, 114-124.	1.9	26
52	Palladium(II)-catalyzed switchable mono-/diselenylation of arenes controlled by solvent effects. <i>Journal of Organometallic Chemistry</i> , 2016, 812, 66-73.	0.8	25
53	Fast Water-Exchange Gd ³⁺ -(DO3A-like) Complex Functionalized with Aza-15-Crown-5 Showing Prolonged Residence Lifetime in Vivo. <i>Bioconjugate Chemistry</i> , 2006, 17, 571-574.	1.8	24
54	Synthesis, Crystal Structures, and Photophysical Properties of Lanthanide Complexes Containing Pyrrole-Derivatized Carboxylate Ligands. <i>European Journal of Inorganic Chemistry</i> , 2007, 2007, 5419-5425.	1.0	24

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55	A two-photon europium complex as specific endoplasmic reticulum probe. <i>Journal of Biophotonics</i> , 2009, 2, 718-724.	1.1	24
56	λ^2 -Isoform specific erbium complexes highly specific for bladder cancer imaging and photodynamic therapy. <i>Chemical Communications</i> , 2017, 53, 557-560.	2.2	24
57	Synthesis of Water-Soluble Chiral DOTA Lanthanide Complexes with Predominantly Twisted Square Antiprism Isomers and Circularly Polarized Luminescence. <i>Inorganic Chemistry</i> , 2019, 58, 12506-12510.	1.9	24
58	In Vitro Imaging and Human Serum Albumin Responsive Dimeric Lanthanide DO3A Complex. <i>Inorganic Chemistry</i> , 2011, 50, 5517-5525.	1.9	23
59	Reactivation of Epstein-Barr virus by a dual-responsive fluorescent EBNA1-targeting agent with Zn ²⁺ -chelating function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 26614-26624.	3.3	22
60	Two-photon induced responsive $f-f$ emissive detection of Cyclin A with a europium-chelating peptide. <i>Chemical Communications</i> , 2011, 47, 8052.	2.2	20
61	Efficient and selective singlet oxygen sensitized NIR luminescence of a neodymium(III) complex and its application in biological imaging. <i>Journal of Luminescence</i> , 2016, 169, 549-552.	1.5	20
62	Breaking the 1,2-HOPO barrier with a cyclen backbone for more efficient sensitization of Eu(III) luminescence and unprecedented two-photon excitation properties. <i>Chemical Science</i> , 2019, 10, 4550-4559.	3.7	20
63	Synthesis and comparative anion binding profiles of two di-aqua Eu(III) complexes. <i>Dalton Transactions</i> , 2010, 39, 9897.	1.6	19
64	Bladder Cancer Photodynamic Therapeutic Agent with Off-On Magnetic Resonance Imaging Enhancement. <i>Advanced Therapeutics</i> , 2019, 2, 1900068.	1.6	19
65	Structural variation of self-assembled lanthanide supramolecular complexes induced by reaction conditions. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 2952-2964.	3.0	15
66	Triboluminescence of Centrosymmetric Lanthanide λ^2 -Diketonate Complexes with Aggregation-Induced Emission. <i>Molecules</i> , 2019, 24, 662.	1.7	14
67	Lanthanide-Cyclen-Camptothecin Nanocomposites for Cancer Theranostics Guided by Near-Infrared and Magnetic Resonance Imaging. <i>ACS Applied Nano Materials</i> , 2021, 4, 271-278.	2.4	12
68	The effects of the increasing number of the same chromophore on photosensitization of water-soluble cyclen-based europium complexes with potential for biological applications. <i>RSC Advances</i> , 2015, 5, 13347-13356.	1.7	11
69	Gadolinium and Platinum in Tandem: Real-time Multi-Modal Monitoring of Drug Delivery by MRI and Fluorescence Imaging. <i>Nanotheranostics</i> , 2017, 1, 186-195.	2.7	11
70	Structure and photophysical properties of new trinuclear lanthanide complexes (Ln=Eu and Tb) with 1,10-phenanthroline. <i>Inorganic Chemistry Communication</i> , 2009, 12, 52-54.	1.8	10
71	Molecular Switching in the Near Infrared (NIR) to Visible/NIR $f-f$ emission with a Functional-Lanthanide Complexes. <i>Journal of Fluorescence</i> , 2008, 18, 749-752.	1.3	9
72	Unusual Magnetic Field Responsive Circularly Polarized Luminescence Probes with Highly Emissive Chiral Europium(III) Complexes. <i>Angewandte Chemie</i> , 2021, 133, 1017-1023.	1.6	9

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73	Helicate-to-tetrahedron transformation of chiral lanthanide supramolecular complexes induced by ionic radii effect and linker length. <i>Communications Chemistry</i> , 2021, 4, .	2.0	9
74	A Simple and Direct Method for the Palladium-Catalyzed Oxidative Coupling of Unactivated Allylarenes with Classic Arenes. <i>ChemCatChem</i> , 2014, 6, 1599-1603.	1.8	8
75	One-Step Reaction for Screening of Chromophores to Improve the Luminescence of Lanthanide Complexes. <i>Asian Journal of Organic Chemistry</i> , 2017, 6, 1845-1850.	1.3	8
76	Real time detection of cell cycle regulator cyclin A on living tumor cells with europium emission. <i>Dalton Transactions</i> , 2013, 42, 13495.	1.6	6
77	Design of Functional Chiral Cyclen-Based Radiometal Chelators for Theranostics. <i>Inorganic Chemistry</i> , 2021, 60, 7082-7088.	1.9	6
78	Design, synthesis and comparison of water-soluble phthalocyanine/porphyrin analogues and their inhibition effects on A β fibrillization. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 3501-3513.	3.0	6
79	Stress to distress: Triboluminescence and pressure luminescence of lanthanide diketonates. <i>Chemical Engineering Journal Advances</i> , 2022, 11, 100326.	2.4	6
80	Responsive Two-Photon Induced Europium Emission as Fluorescent Indicator for Paralytic Shellfish Saxitoxin. <i>Organic Letters</i> , 2011, 13, 5036-5039.	2.4	5
81	2,4-Dioxo-1,2,3,4-tetrahydropyrimidine-5-carboxylic acid monohydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2004, 60, o1072-o1074.	0.2	4
82	Effective multi-photon absorption properties in solutions of pyridinium salt lasing dyes. <i>Chemical Physics Letters</i> , 2007, 449, 77-81.	1.2	4
83	Synthesis, characterization, photophysical properties of lanthanide complexes with flexible tripodal carboxylate ligands. <i>Polyhedron</i> , 2013, 52, 939-944.	1.0	4
84	Thermodynamic selectivity of functional agents on zeolite for sodium dodecyl sulfate sequestration. <i>Journal of Hazardous Materials</i> , 2016, 318, 41-47.	6.5	4
85	Catalytic asymmetric oxo-Diels-Alder reactions with chiral atropisomeric biphenyl diols. <i>Beilstein Journal of Organic Chemistry</i> , 2019, 15, 955-962.	1.3	2
86	Synthesis of a Conformationally Stable Atropisomeric Pair of Biphenyl Scaffold Containing Additional Stereogenic Centers. <i>Molecules</i> , 2019, 24, 643.	1.7	2
87	Two-Photon Excitable Iridium Complex Containing Dipyrazolyltriazine as Cellular Imaging Dyes. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 4533-4542.	1.0	1
88	Reaction-Based Europium Complex for Specific Detection of Cysteine Over Homocysteine and Glutathione with Variable-Temperature Kinetic Studies. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 813-820.	1.0	1
89	Fluorescence Analysis: Shedding Light on Biological Systems. <i>ChemPlusChem</i> , 2020, 85, 1093-1094.	1.3	1
90	Multiphoton Processes and Nonlinear Harmonic Generations in Lanthanide Complexes. , 0, , 161-184.		0

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91	Chiral Organic Chromophoric Systems in the Enhancement of Circularly Polarized Luminescence. <i>Frontiers in Chemistry</i> , 2021, 9, 635655.	1.8	0
92	Diastereoselective Bidirectional C(sp ³)-H Bond Functionalization of Piperazine Compounds. <i>Advanced Synthesis and Catalysis</i> , 0, , .	2.1	0