

# Jian-Li Li

## List of Publications by Year in descending order

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92  
papers

2,618  
citations

159525

30  
h-index

223716

46  
g-index

99  
all docs

99  
docs citations

99  
times ranked

2786  
citing authors

#	ARTICLE	IF	CITATIONS
1	Three Rhodamine-Based "Off-On" Chemosensors with High Selectivity and Sensitivity for Fe <sup>3+</sup> Imaging in Living Cells. <i>Journal of Organic Chemistry</i> , 2012, 77, 1143-1147.	1.7	217
2	A Facile FeCl <sub>3</sub> /I <sub>2</sub> -Catalyzed Aerobic Oxidative Coupling Reaction: Synthesis of Tetrasubstituted Imidazoles from Amidines and Chalcones. <i>Organic Letters</i> , 2015, 17, 3872-3875.	2.4	92
3	A novel rhodamine-based fluorescent and colorimetric "off-on" chemosensor and investigation of the recognizing behavior towards Fe <sup>3+</sup> . <i>Dyes and Pigments</i> , 2012, 92, 1337-1343.	2.0	90
4	Novel Fluorescein-Based Fluorescent Probe for Detecting H <sub>2</sub> S and Its Real Applications in Blood Plasma and Biological Imaging. <i>Analytical Chemistry</i> , 2016, 88, 11253-11260.	3.2	87
5	Highly sensitive and selective rhodamine Schiff base "off-on" chemosensors for Cu <sup>2+</sup> imaging in living cells. <i>Sensors and Actuators B: Chemical</i> , 2013, 176, 482-487.	4.0	81
6	Structural modification of BODIPY: Improve its applicability. <i>Chinese Chemical Letters</i> , 2019, 30, 1815-1824.	4.8	81
7	Binding of heavy metal ions in aggregates of microbial cells, EPS and biogenic iron minerals measured in-situ using metal- and glycoconjugates-specific fluorophores. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 180, 66-96.	1.6	72
8	Facile synthesis and characterization of rhodamine-based colorimetric and "off-on" fluorescent chemosensor for Fe <sup>3+</sup> . <i>Sensors and Actuators B: Chemical</i> , 2011, 157, 675-680.	4.0	71
9	A facile and efficient synthesis of multisubstituted pyrroles from enaminoesters and nitroolefins. <i>Green Chemistry</i> , 2011, 13, 1664.	4.6	69
10	Two novel fluorescein-based fluorescent probes for hypochlorite and its real applications in tap water and biological imaging. <i>Sensors and Actuators B: Chemical</i> , 2013, 186, 56-60.	4.0	69
11	Microwave-Assisted Cascade Cycloaddition for C-N Bond Formation: An Approach to the Construction of 1,4,5,6-Tetrahydropyrimidine and 2-Imidazoline Derivatives. <i>Synthesis</i> , 2013, 45, 2525-2532.	1.2	64
12	Recent Progress in Fluorescent Sensors for Drug-Induced Liver Injury Assessment. <i>ACS Sensors</i> , 2021, 6, 628-640.	4.0	62
13	Mapping of Heavy Metal Ion Sorption to Cell-Extracellular Polymeric Substance-Mineral Aggregates by Using Metal-Selective Fluorescent Probes and Confocal Laser Scanning Microscopy. <i>Applied and Environmental Microbiology</i> , 2013, 79, 6524-6534.	1.4	61
14	The magnetic coupling in manganese-based dinuclear superhalogens and their analogues. A theoretical characterization from a combined DFT and BS study. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 1121-1130.	1.3	56
15	A highly sensitive and selective near-infrared fluorescent probe for imaging hydrazine in living tissues and mice. <i>Sensors and Actuators B: Chemical</i> , 2018, 261, 418-424.	4.0	53
16	Cu(OAc) <sub>2</sub> /TFA-Promoted Formal [3 + 3] Cycloaddition/Oxidation of Enamines and Enones for Synthesis of Multisubstituted Aromatic Amines. <i>Organic Letters</i> , 2012, 14, 3506-3509.	2.4	49
17	Six-Membered Spirocycle Triggered Probe for Visualizing Hg <sup>2+</sup> in Living Cells and Bacteria "EPS" Mineral Aggregates. <i>Organic Letters</i> , 2013, 15, 4334-4337.	2.4	49
18	Design strategy and recent progress of fluorescent probe for noble metal ions (Ag, Au, Pd, and Pt). <i>Coordination Chemistry Reviews</i> , 2021, 432, 213712.	9.5	46

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19	Fluorescent probes guided by a new practical performance regulation strategy to monitor glutathione in living systems. <i>Chemical Science</i> , 2018, 9, 8065-8070.	3.7	42
20	3,4-Hydroxypyridinone-modified carbon quantum dot as a highly sensitive and selective fluorescent probe for the rapid detection of uranyl ions. <i>Environmental Science: Nano</i> , 2019, 6, 1457-1465.	2.2	40
21	Are trinuclear superhalogens promising candidates for building blocks of novel magnetic materials? A theoretical prospect from combined broken-symmetry density functional theory and ab initio study. <i>Journal of Chemical Physics</i> , 2013, 139, 054305.	1.2	39
22	Are polynuclear superhalogens without halogen atoms probable? A high-level <i>ab initio</i> case study on triple-bridged binuclear anions with cyanide ligands. <i>Journal of Chemical Physics</i> , 2014, 140, 094301.	1.2	39
23	Design and synthesis of functionalized rhodamine based probes for specific intracellular fluorescence imaging of Fe <sup>3+</sup> . <i>Dyes and Pigments</i> , 2015, 115, 120-126.	2.0	38
24	De novo design and synthesis of a novel colorimetric fluorescent probe based on naphthalenone scaffold for selective detection of hypochlorite and its application in living cells. <i>Sensors and Actuators B: Chemical</i> , 2018, 269, 322-330.	4.0	38
25	New aliphatic and aromatic dialdehyde bridged turn-on probes for hypochlorite detection in biological samples based on bis(fluorescein). <i>Sensors and Actuators B: Chemical</i> , 2014, 202, 656-662.	4.0	37
26	Two rhodamine lactam modulated lysosome-targetable fluorescence probes for sensitively and selectively monitoring subcellular organelle pH change. <i>Analytica Chimica Acta</i> , 2015, 900, 97-102.	2.6	37
27	Precise Synthesis of GSH-Specific Fluorescent Probe for Hepatotoxicity Assessment Guided by Theoretical Calculation. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 32605-32612.	4.0	34
28	Solvent-Free Tandem Synthesis of 2-Thiazolines and 2-Oxazolines Catalyzed by a Copper Catalyst. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 1626-1632.	1.2	32
29	Are superhalogens without halogen ligand capable of transcending traditional halogen-based superhalogens? Ab initio case study of binuclear anions based on pseudohalogen ligand. <i>AIP Advances</i> , 2015, 5, 067143.	0.6	32
30	In-Depth Understanding of the Effect of Halogen-Induced Stable 2D Bismuth-Based Perovskites for Photocatalytic Hydrogen Evolution Activity. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	31
31	Copper-catalyzed intermolecular cyclization of nitriles and 2-aminobenzylamine for 3,4-dihydroquinazolines and quinazolines synthesis via cascade coupling and aerobic oxidation. <i>RSC Advances</i> , 2014, 4, 49888-49891.	1.7	30
32	Solvent-dependent turn-on probe for dual monitoring of Ag <sup>+</sup> and Zn <sup>2+</sup> in living biological samples. <i>Analytica Chimica Acta</i> , 2015, 868, 53-59.	2.6	30
33	DDQ-Induced Dehydrogenation of Heterocycles for C≡C Double Bond Formation: Synthesis of 2-Thiazoles and 2-Oxazoles. <i>Chemistry - an Asian Journal</i> , 2013, 8, 1408-1411.	1.7	28
34	Synthesis and application of highly sensitive fluorescent probe for Hg <sup>2+</sup> regulated by sulfur. <i>Chinese Chemical Letters</i> , 2017, 28, 2014-2018.	4.8	28
35	Probing the Properties of Polynuclear Superhalogens without Halogen Ligand via ab Initio Calculations: A Case Study on Double-Bridged [Mg <sub>2</sub> (CN) <sub>5</sub> ] <sup>-1</sup> Anions. <i>ChemPhysChem</i> , 2015, 16, 3652-3659.	1.0	26
36	Probing the potential of halogen-free superhalogen anions as effective electrolytes of Li-ion batteries: a theoretical prospect from combined ab initio and DFT studies. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 28576-28584.	1.3	25

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37	Thermally Triggered Solidâ€State Singleâ€Crystalâ€toâ€Singleâ€Crystal Structural Transformation Accompanies Property Changes. <i>Chemistry - A European Journal</i> , 2015, 21, 4703-4711.	1.7	24
38	A novel approach to study the structure-property relationships and applications in living systems of modular Cu <sup>2+</sup> fluorescent probes. <i>Scientific Reports</i> , 2016, 6, 28972.	1.6	21
39	Exploration of congeneric Hg(II)-mediated chemosensors driven by S-Hg affinity, and their application in living system. <i>Sensors and Actuators B: Chemical</i> , 2017, 247, 129-138.	4.0	20
40	Design and synthesis of a novel colorimetric fluorescent probe for the selective detection of sulfur dioxide in SH-SY5Y neuroblastoma cells and its applications in traditional Chinese medicines. <i>New Journal of Chemistry</i> , 2019, 43, 4188-4195.	1.4	20
41	An efficiently cobalt-catalyzed carbonylative approach to $\alpha$ -phenylacetic acid derivatives. <i>Tetrahedron</i> , 2013, 69, 7264-7268.	1.0	19
42	Could the description on polynuclear superhalogens by DFT be comparable with high-level <i>ab initio</i> results? A comparison between DFT and CCSD(T). <i>Journal of Chemical Physics</i> , 2016, 144, 054303.	1.2	19
43	Reaction-determined assemblies of 0D to 3D complexes: structural diversities and luminescence properties. <i>CrystEngComm</i> , 2016, 18, 3358-3371.	1.3	19
44	Water soluble chemosensor for Ca <sup>2+</sup> based on aggregation-induced emission characteristics and its fluorescence imaging in living cells. <i>Dyes and Pigments</i> , 2018, 150, 112-120.	2.0	19
45	Substituent effect on fluorescence signaling of the naphthalene carbohydrazone based chemosensor: Its implication in the detection of Zn(II) ions and secondary sensing PPI. <i>Sensors and Actuators B: Chemical</i> , 2018, 270, 362-370.	4.0	19
46	Enhancement of the photocatalytic synchronous removal of Cr( <i>vi</i> ) and RhB over RP-modified flower-like SnS <sub>2</sub> . <i>Nanoscale Advances</i> , 2020, 2, 4220-4228.	2.2	19
47	Novel 3,6-unsymmetrically disubstituted-1,2,4,5-tetrazines: S-induced one-pot synthesis, properties and theoretical study. <i>RSC Advances</i> , 2015, 5, 12277-12286.	1.7	18
48	Rational design of a novel turn-on fluorescent probe for the detection and bioimaging of hydrazine with barbituric acid as a recognition group. <i>Analyst</i> , The, 2020, 145, 636-642.	1.7	18
49	Superhalogen-based composite with strong acidity-a crossing point between two topics. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 2934-2947.	3.0	17
50	A colorimetric and ratiometric fluorescent probe with Meldrum's acid as the recognition group for in vitro and in vivo imaging of hypochlorite. <i>Dyes and Pigments</i> , 2020, 175, 108144.	2.0	16
51	Synthesis of chlorinated fluoresceins for labeling proteins. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008, 18, 1977-1979.	1.0	15
52	Mixed Ligand Cu <sup>II</sup> N <sub>2</sub> O <sub>2</sub> Complexes: Biomimetic Synthesis, Activities in Vitro and Biological Models, Theoretical Calculations. <i>Inorganic Chemistry</i> , 2014, 53, 13019-13030.	1.9	15
53	A novel colorimetric and fluorescence turn-on pH sensor with a notably large Stokes shift for its application. <i>New Journal of Chemistry</i> , 2018, 42, 14510-14516.	1.4	15
54	Constructing organic superacids from superhalogens is a rational route as verified by DFT calculations. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 2804-2815.	1.3	15

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55	Selective Thiocyanation and Aromatic Amination To Achieve Organized Annulation of Enaminone with Thiocyanate. <i>Organic Letters</i> , 2021, 23, 8396-8401.	2.4	15
56	High efficient probes with Schiff base functional receptors for hypochlorite sensing under physiological conditions. <i>Chinese Chemical Letters</i> , 2014, 25, 1077-1081.	4.8	14
57	Rhodamine based guanidinobenzimidazole functionalized fluorescent probe for tetravalent tin and its application in living cells imaging. <i>Sensors and Actuators B: Chemical</i> , 2017, 242, 872-879.	4.0	14
58	Exploring the necessity of an acidic additive for Pd-catalyzed exclusive C4-fluoroalkylation of 3-acetylindole: a detailed DFT study on the mechanism and regioselectivity. <i>Organic Chemistry Frontiers</i> , 2019, 6, 2607-2618.	2.3	14
59	A water-soluble and incubate-free fluorescent environment-sensitive probe for ultrafast visualization of protein thiols within living cells. <i>Analytica Chimica Acta</i> , 2020, 1126, 72-81.	2.6	14
60	Synthesis and spectral properties of novel chlorinated pH fluorescent probes. <i>Journal of Luminescence</i> , 2011, 131, 776-780.	1.5	13
61	Copper-catalyzed synthesis of 2-imidazolines and their N-hydroxyethyl derivatives under various conditions. <i>Tetrahedron Letters</i> , 2011, 52, 1578-1582.	0.7	13
62	Is the regulation of the electronic properties of organic molecules by polynuclear superhalogens more effective than that by mononuclear superhalogens? A high-level ab initio case study. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 20338-20346.	1.3	13
63	Design strategies and progress on xanthene-based fluorescent probe for metal ions. <i>Reviews in Analytical Chemistry</i> , 2017, 36, .	1.5	13
64	An efficient biosensor for monitoring Alzheimer's disease risk factors: modulation and disaggregation of the A $\beta$ aggregation process. <i>Journal of Materials Chemistry B</i> , 2019, 7, 4124-4132.	2.9	13
65	Measuring the distribution and concentration of cysteine by fluorescent sensor for the visual study of paracetamol-induced pro-sarcopenic effect. <i>Sensors and Actuators B: Chemical</i> , 2020, 318, 128258.	4.0	13
66	Rational Modulation Strategies to Improve Bioimaging Applications for Organic NIR Fluorophores. <i>Advanced Optical Materials</i> , 2022, 10, .	3.6	13
67	Visualizing tributyltin (TBT) in bacterial aggregates by specific rhodamine-based fluorescent probes. <i>Analytica Chimica Acta</i> , 2015, 853, 514-520.	2.6	12
68	An ICT-based fluorescent probe guided by theoretical calculation for selectively mapping endogenous GSH in living cells. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 246, 119041.	2.0	12
69	Construction and regulation of imidazo[1,5-a]pyridines with AIE characteristics via iodine mediated Csp <sup>2</sup> -H or Csp <sup>3</sup> -H amination. <i>Chinese Chemical Letters</i> , 2021, 32, 3083-3086.	4.8	12
70	Co(II) cascade catalysis: cyclocondensation of aromatic nitriles with alkamine. <i>Tetrahedron</i> , 2013, 69, 6591-6597.	1.0	11
71	Five complexes based on a new racemic tetraoxaspiro ligand: correlation of potential coordination preferences with the structure, magnetic properties and luminescence properties. <i>Dalton Transactions</i> , 2019, 48, 3862-3873.	1.6	11
72	Imaging and Monitoring the Hydrogen Peroxide Level in Heart Failure by a Fluorescent Probe with a Large Stokes Shift. <i>ACS Sensors</i> , 2021, 6, 54-62.	4.0	11

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73	Why do higher VDEs of superhalogen not ensure improved stabilities of the noble gas hydrides promoted by them? A high-level ab initio case study. <i>Journal of Chemical Physics</i> , 2018, 149, 064301.	1.2	9
74	Combining proton and silaborane-based superhalogen anions – an effective route to new superacids as verified via systematic DFT calculations. <i>Dalton Transactions</i> , 2019, 48, 16184-16198.	1.6	9
75	Study on the inclusion behavior and solid inclusion complex of 5-amino-6-methyl-2-benzimidazolone with cyclodextrins. <i>Chinese Chemical Letters</i> , 2016, 27, 1077-1082.	4.8	8
76	Recent Progress in the Fluorescent Probe Based on Spiro Ring Opening of Xanthenes and Related Derivatives. <i>Chinese Journal of Organic Chemistry</i> , 2014, 34, 1.	0.6	8
77	Synthesis and biological applications of two novel fluorescent proteins-labeling probes. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009, 19, 2957-2959.	1.0	7
78	Synthesis of Tetrasubstituted NH Pyrroles and Polysubstituted Furans via an Addition and Cyclization Strategy. <i>Synthesis</i> , 2012, 2012, 532-540.	1.2	7
79	Diastereoselective Synthesis of P-Chirogenic and Atropisomeric 2,2'-Bisphosphino-1,1'-binaphthyls Enabled by Internal Phosphine Oxide Directing Groups. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 8153-8159.	7.2	7
80	Effects of the Auxiliary Ligands on the Structures of Diphenate Complexes: From 1D Helical Chain to 2D Network. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2010, 636, 1591-1595.	0.6	5
81	Combined DFT and BS study on the exchange coupling of dinuclear sandwich-type POM: comparison of different functionals and reliability of structure modeling. <i>Journal of Molecular Modeling</i> , 2012, 18, 2271-2278.	0.8	5
82	Synthesis, Crystal Structure of Co(II)(6-methoxybenzothiazole-2-carboxylate) <sub>2</sub> (DMF) <sub>2</sub> and Its Application to Carbonylation of Benzyl Chloride. <i>Chinese Journal of Chemistry</i> , 2010, 28, 111-114.	2.6	4
83	The C(sp <sup>3</sup> )-H bond functionalization of thioethers with styrenes with insight into the mechanism. <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 5845-5851.	1.5	4
84	Synthesis and characterization of bis[2-(1H-benzimidazol-2-yl)benzoato]nickel(II), and its use for preparation of dimethyl carbonate from methanol and CO <sub>2</sub> . <i>Research on Chemical Intermediates</i> , 2014, 40, 1179-1186.	1.3	3
85	A practical strategy for construction and regulation of multi-functional triazepinium salts via highly efficient I <sub>2</sub> -catalyzed cyclization. <i>Green Chemistry</i> , 2020, 22, 3111-3116.	4.6	3
86	Biomimetic Synthesis of Twenty-four Long-chained Diketones as Precursors for Muscone and Further Macrocylic Ketones. <i>Chinese Journal of Chemistry</i> , 2008, 26, 2249-2255.	2.6	2
87	Study on the inclusion behaviour and solid inclusion complex of lomustine with cyclodextrins. <i>Journal of Inclusion Phenomena and Macrocylic Chemistry</i> , 2016, 86, 45-54.	0.9	1
88	Substituent changes in the salen ligands of CuI/NaI-complexes to induce various structures and catalytic activities towards 2-imidazolines from nitriles and 1,2-diaminopropane. <i>Chemical Communications</i> , 2019, 55, 4619-4622.	2.2	1
89	Frontispiece: Diastereoselective Synthesis of P-Chirogenic and Atropisomeric 2,2'-Bisphosphino-1,1'-binaphthyls Enabled by Internal Phosphine Oxide Directing Groups. <i>Angewandte Chemie - International Edition</i> , 2020, 59, .	7.2	1
90	Synthesis, Characterization and Biological Activities of a New Fluorescent Indicator for the Intracellular Calcium Ions. <i>Chinese Journal of Chemistry</i> , 2009, 27, 1169-1173.	2.6	0

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91	Frontispiz: Diastereoselective Synthesis of Pâ€Chirogenic and Atropisomeric 2,2â€Bisphosphinoâ€1,1â€binaphthyls Enabled by Internal Phosphine Oxide Directing Groups. Angewandte Chemie, 2020, 132, .	1.6	0
92	Diastereoselective Synthesis of Pâ€Chirogenic and Atropisomeric 2,2â€Bisphosphinoâ€1,1â€binaphthyls Enabled by Internal Phosphine Oxide Directing Groups. Angewandte Chemie, 2020, 132, 8230-8236.	1.6	0