## Hua Lu

## List of Publications by Year in descending order

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66343 62596 6,856 125 42 80 citations h-index g-index papers 129 129 129 8040 citing authors docs citations times ranked all docs

#	Article	IF	CITATIONS
1	Structural modification strategies for the rational design of red/NIR region BODIPYs. Chemical Society Reviews, 2014, 43, 4778-4823.	38.1	1,076
2	Ultrafast all-optical switching in nanoplasmonic waveguide with Kerr nonlinear resonator. Optics Express, 2011, 19, 2910.	3.4	287
3	Tunable band-pass plasmonic waveguide filters with nanodisk resonators. Optics Express, 2010, 18, 17922.	3.4	261
4	Optically Active Porphyrin and Phthalocyanine Systems. Chemical Reviews, 2016, 116, 6184-6261.	47.7	240
5	Tunable multi-channel wavelength demultiplexer based on MIM plasmonic nanodisk resonators at telecommunication regime. Optics Express, 2011, 19, 3513.	3.4	220
6	Long-cavity passively mode-locked fiber ring laser with high-energy rectangular-shape pulses in anomalous dispersion regime. Optics Letters, 2010, 35, 3249.	3.3	173
7	Dispersionless slow light in MIM waveguide based on a plasmonic analogue of electromagnetically induced transparency. Optics Express, 2012, 20, 20902.	3.4	142
8	Graphene-based active slow surface plasmon polaritons. Scientific Reports, 2015, 5, 8443.	3.3	134
9	Tuning the Solidâ€State Luminescence of BODIPY Derivatives with Bulky Arylsilyl Groups: Synthesis and Spectroscopic Properties. Chemistry - A European Journal, 2012, 18, 7852-7861.	3.3	128
10	Preparation of highly sensitive Pt nanoparticles-carbon quantum dots/ionic liquid functionalized graphene oxide nanocomposites and application for H2O2 detection. Sensors and Actuators B: Chemical, 2018, 255, 1500-1506.	7.8	128
11	Tunable high-channel-count bandpass plasmonic filters based on an analogue of electromagnetically induced transparency. Nanotechnology, 2012, 23, 444003.	2.6	118
12	Ratiometric fluorescence chemodosimeters for fluoride anion based on pyrene excimer/monomer transformation. Chemical Communications, 2012, 48, 10721.	4.1	117
13	Synthesis and Spectroscopic Properties of Fusedâ€Ringâ€Expanded Azaâ€Boradiazaindacenes. Chemistry - an Asian Journal, 2011, 6, 1026-1037.	3.3	116
14	Flexible high-repetition-rate ultrafast fiber laser. Scientific Reports, 2013, 3, 3223.	3.3	106
15	Optically active BODIPYs. Coordination Chemistry Reviews, 2016, 318, 1-15.	18.8	102
16	Organosilicon compounds as fluorescent chemosensors for fluoride anion recognition. Coordination Chemistry Reviews, 2015, 285, 24-51.	18.8	97
17	A highly selective and sensitive fluorescent turn-on sensor for Hg2+ and its application in live cell imaging. Organic and Biomolecular Chemistry, 2009, 7, 2554.	2.8	96
18	Enhancement of transmission efficiency of nanoplasmonic wavelength demultiplexer based on channel drop filters and reflection nanocavities. Optics Express, 2011, 19, 12885.	3.4	94

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19	Observation of pulse trapping in a near-zero dispersion regime. Optics Letters, 2012, 37, 2619.	3.3	92
20	Experimentation and Theoretic Calculation of a BODIPY Sensor Based on Photoinduced Electron Transfer for Ions Detection. Journal of Physical Chemistry A, 2009, 113, 14081-14086.	2.5	90
21	Specific Cu2+-induced J-aggregation and Hg2+-induced fluorescence enhancement based on BODIPY. Chemical Communications, 2010, 46, 3565.	4.1	89
22	A BODIPY-based â€~turn-on' fluorescent probe for hypoxic cell imaging. Chemical Communications, 2015, 51, 13389-13392.	4.1	87
23	AMP-Activated Protein Kinase Induces p53 by Phosphorylating MDMX and Inhibiting Its Activity. Molecular and Cellular Biology, 2014, 34, 148-157.	2.3	86
24	Generation and amplification of high-energy nanosecond pulses in a compact all-fiber laser. Optics Express, 2010, 18, 23024.	3.4	84
25	The therapeutic efficacy of camptothecin-encapsulated supramolecular nanoparticles. Biomaterials, 2012, 33, 1162-1169.	11.4	82
26	Population-based geographic access to endocrinologists in the United States, 2012. BMC Health Services Research, 2015, 15, 541.	2.2	81
27	Synthesis and spectroscopic properties of bodipy dimers with effective solid-state emission. RSC Advances, 2012, 2, 8840.	3.6	78
28	A selective colorimetric and fluorometric ammonium ion sensor based on the H-aggregation of an aza-BODIPY with fused pyrazine rings. Chemical Communications, 2011, 47, 12092.	4.1	74
29	Boron-pyridyl-imino-isoindoline dyes: facile synthesis and photophysical properties. Chemical Communications, 2014, 50, 1074-1076.	4.1	72
30	Aberrantly activated Gli2-KIF20A axis is crucial for growth of hepatocellular carcinoma and predicts poor prognosis. Oncotarget, 2016, 7, 26206-26219.	1.8	69
31	Asymmetric core-expanded aza-BODIPY analogues: facile synthesis and optical properties. Chemical Communications, 2015, 51, 1713-1716.	4.1	68
32	The Synthesis and Properties of Freeâ€Base [14]Triphyrin(2.1.1) Compounds and the Formation of Subporphyrinoid Metal Complexes. Chemistry - A European Journal, 2011, 17, 4396-4407.	3.3	65
33	New 2,6â€Distyrylâ€Substituted BODIPY Isomers: Synthesis, Photophysical Properties, and Theoretical Calculations. Chemistry - A European Journal, 2014, 20, 1091-1102.	3.3	64
34	Nerve growth factor receptor negates the tumor suppressor p53 as a feedback regulator. ELife, 2016, 5,	6.0	62
35	A specific chemodosimeter for fluoride ion based on a pyrene derivative with trimethylsilylethynyl groups. Organic and Biomolecular Chemistry, 2011, 9, 4558.	2.8	61
36	Dual-wavelength step-like pulses in an ultra-large negative-dispersion fiber laser. Optics Express, 2011, 19, 3996.	3.4	56

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37	Lysosome-targeting turn-on red/NIR BODIPY probes for imaging hypoxic cells. Chemical Communications, 2019, 55, 11567-11570.	4.1	54
38	SPIN1 promotes tumorigenesis by blocking the uL18 (universal large ribosomal subunit protein) Tj ETQq0 0 0 rgl	3T  Overlo	ck <u>10</u> Tf 50 7
39	Numerical investigation of an all-optical switch in a graded nonlinear plasmonic grating. Nanotechnology, 2012, 23, 444009.	2.6	51
40	A BODIPY fluorescent probe with selective response for hypochlorous acid and its application in cell imaging. Sensors and Actuators B: Chemical, 2013, 182, 1-6.	7.8	50
41	Asymmetric boron-complexes containing keto-isoindolinyl and pyridyl groups: solvatochromic fluorescence, efficient solid-state emission and DFT calculations. Journal of Materials Chemistry C, 2015, 3, 12281-12289.	5.5	47
42	Differential Roles of Two Homologous Cyclin-Dependent Kinase Inhibitor Genes in Regulating Cell Cycle and Innate Immunity in Arabidopsis. Plant Physiology, 2016, 170, 515-527.	4.8	45
43	A new aza-BODIPY based NIR region colorimetric and fluorescent chemodosimeter for fluoride. RSC Advances, 2014, 4, 53864-53869.	3.6	44
44	MDM2 Mediates Ubiquitination and Degradation of Activating Transcription Factor 3. Journal of Biological Chemistry, 2010, 285, 26908-26915.	3.4	43
45	Bilateral versus unilateral antegrade cerebral perfusion in total arch replacement for type A aortic dissection. Journal of Thoracic and Cardiovascular Surgery, 2017, 154, 767-775.	0.8	43
46	Disilanylene-bridged BODIPY-based Dâ $\in$ " <i><math>i</math> <math>i</math> <math>i</math> <math>i</math> <math>i</math> <math>i</math> <math>i</math> <math>i</math> <math>i</math> <math>i</math> </i>	4.1	43
47	High Stericâ€Hindrance Windmillâ€Type Molecules for Efficient Ultraviolet to Pureâ€Blue Organic Lightâ€Emitting Diodes via Hybridized Local and Chargeâ€Transfer Excitedâ€State. Advanced Functional Materials, 2022, 32, .	14.9	42
48	Chiral binaphthyl-linked BODIPY analogues: synthesis and spectroscopic properties. Journal of Materials Chemistry C, 2016, 4, 4668-4674.	5.5	41
49	PAK1IP1, a ribosomal stress-induced nucleolar protein, regulates cell proliferation via the p53–MDM2 loop. Nucleic Acids Research, 2011, 39, 2234-2248.	14.5	40
50	Facile Hg2+ detection in water using fluorescent self-assembled monolayers of a rhodamine-based turn-on chemodosimeter formed via a "click―reaction. Journal of Materials Chemistry, 2011, 21, 10878.	6.7	39
51	Expression of monocyte chemoattractant protein-1 in the cerebral artery after experimental subarachnoid hemorrhage. Brain Research, 2009, 1262, 73-80.	2.2	38
52	Thieno[3,2- <i>b</i> ) Ithiophene fused BODIPYs: synthesis, near-infrared luminescence and photosensitive properties. Organic and Biomolecular Chemistry, 2019, 17, 3617-3622.	2.8	37
53	B/N-Doped <i>p</i> -Arylenevinylene Chromophores: Synthesis, Properties, and Microcrystal Electron Crystallographic Study. Journal of the American Chemical Society, 2020, 142, 18990-18996.	13.7	37
54	N-acetylcysteine suppresses oxidative stress in experimental rats with subarachnoid hemorrhage. Journal of Clinical Neuroscience, 2009, 16, 684-688.	1.5	36

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55	Bipolar Molecules with Hybridized Local and Chargeâ€Transfer State for Highly Efficient Deepâ€Blue Organic Lightâ€Emitting Diodes with EQE of 7.4% and ClE <i><sub>y</sub></i> Ââ <sup>1</sup> /4 0.05. Advanced Optical Materials, 2021, 9, 2100965.	7.3	36
56	Pleckstrin homology domain-containing protein PHLDB3 supports cancer growth via a negative feedback loop involving p53. Nature Communications, 2016, 7, 13755.	12.8	34
57	Gain-assisted trapping of light in tapered plasmonic waveguide. Optics Letters, 2013, 38, 558.	3.3	33
58	Synthesis and fluorescence properties of isoindoline–benzazole-based boron difluoride complexes. New Journal of Chemistry, 2014, 38, 1277.	2.8	33
59	Arl13b Promotes Gastric Tumorigenesis by Regulating Smo Trafficking and Activation of the Hedgehog Signaling Pathway. Cancer Research, 2017, 77, 4000-4013.	0.9	33
60	2,3,4,5â€Tetraphenylsiloleâ€Based Conjugated Polymers: Synthesis, Optical Properties, and as Sensors for Explosive Compounds. Chemistry - an Asian Journal, 2012, 7, 1583-1593.	3.3	32
61	Bipolar Arylsilane: Synthesis, Photoelectronic Properties, and High-Performance Deep Blue Organic Light-Emitting Diodes. ACS Applied Electronic Materials, 2021, 3, 422-429.	4.3	31
62	Inhibition of hemolysate-induced iNOS and COX-2 expression by genistein through suppression of NF-D <sup>o</sup> B activation in primary astrocytes. Journal of the Neurological Sciences, 2009, 278, 91-95.	0.6	29
63	Physical and Functional Interaction between Ribosomal Protein L11 and the Tumor Suppressor ARF. Journal of Biological Chemistry, 2012, 287, 17120-17129.	3.4	29
64	Dynamics of Defense Responses and Cell Fate Change during Arabidopsis-Pseudomonas syringae Interactions. PLoS ONE, 2013, 8, e83219.	2.5	29
65	Non-symmetric thieno[3,2- <i>b</i> ]thiophene-fused BODIPYs: synthesis, spectroscopic properties and providing a functional strategy for NIR probes. Organic Chemistry Frontiers, 2019, 6, 3961-3968.	4.5	29
66	Taurine protects against lung damage following limb ischemia reperfusion in the rat by attenuating endoplasmic reticulum stress-induced apoptosis. Monthly Notices of the Royal Astronomical Society: Letters, 2010, 81, 263-267.	3.3	28
67	Transcriptome and Biochemical Analysis Reveals That Suppression of GPI-Anchor Synthesis Leads to Autophagy and Possible Necroptosis in Aspergillus fumigatus. PLoS ONE, 2013, 8, e59013.	2.5	28
68	A tribute to Michael R. Raupach for contributions to aeolian fluid dynamics. Aeolian Research, 2015, 19, 37-54.	2.7	27
69	Chronic Myeloid Leukemia Patients Sensitive and Resistant to Imatinib Treatment Show Different Metabolic Responses. PLoS ONE, 2010, 5, e13186.	2.5	27
70	Superoxide dismutase mimetic drug tempol aggravates anti-GBM antibody-induced glomerulonephritis in mice. American Journal of Physiology - Renal Physiology, 2010, 299, F445-F452.	2.7	25
71	Editorial: BODIPYs and Their Derivatives: The Past, Present and Future. Frontiers in Chemistry, 2020, 8, 290.	3.6	25
72	Kexin-like endoprotease KexB is required for N-glycan processing, morphogenesis and virulence in Aspergillus fumigatus. Fungal Genetics and Biology, 2015, 76, 57-69.	2.1	21

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73	Synthesis and spectroscopic properties of novel meso-cyano boron-pyridyl-isoindoline dyes. Organic and Biomolecular Chemistry, 2014, 12, 8223-8229.	2.8	20
74	Ubiquitin- and MDM2 E3 Ligase-independent Proteasomal Turnover of Nucleostemin in Response to GTP Depletion. Journal of Biological Chemistry, 2012, 287, 10013-10020.	3.4	19
75	Silyl―and Disilanylâ€BODIPYs: Synthesis via Catalytic Dehalosilylation and Spectroscopic Properties. Chemistry - an Asian Journal, 2017, 12, 561-567.	3.3	19
76	Fine Tuning of the Electronic Properties of Novel BTPE Using Oligosilanyl Linkages and Their Application in Rapid High-Resolution Visualization of Latent Fingerprints. CCS Chemistry, 2020, 2, 329-336.	7.8	19
77	Coexistence of unequal pulses in a normal dispersion fiber laser. Optics Express, 2011, 19, 16303.	3.4	18
78	Synthesis and properties of azulene-functionalized BODIPYs. RSC Advances, 2016, 6, 32124-32129.	3.6	18
79	Twisted donor–acceptor molecules for efficient deep blue electroluminescence with CIE <sub>y</sub> â^¼ 0.06. Journal of Materials Chemistry C, 2020, 8, 9401-9409.	5.5	18
80	Triphenylamine modified bis-diketopyrrolopyrrole molecular donor materials with extended conjugation for bulk heterojunction solar cells. Organic Electronics, 2014, 15, 2575-2586.	2.6	17
81	Identification of the S-layer glycoproteins and their covalently linked glycans in the halophilic archaeon <i>Haloarcula hispanica</i> . Glycobiology, 2015, 25, 1150-1162.	2.5	17
82	Lipid nanoparticles loaded with 7-ethyl-10-hydroxycamptothecin-phospholipid complex: <i>iin vitro</i> and <i>iin vivo</i> studies. Drug Delivery, 2015, 22, 701-709.	5.7	17
83	Synthesis, characterization and solid-state emission properties of arylsilyl-substituted pyrene derivatives. Dyes and Pigments, 2013, 99, 771-778.	3.7	16
84	Systemic delivery of alpha-asarone with Kolliphor HS 15 improves its safety and therapeutic effect on asthma. Drug Delivery, 2015, 22, 266-275.	5.7	16
85	An Acidic Exopolysaccharide from <i>Haloarcula hispanica</i> ATCC33960 and Two Genes Responsible for Its Synthesis. Archaea, 2017, 2017, 1-12.	2.3	16
86	Si-Bridged annulated BODIPYs: synthesis, unique structure and photophysical properties. Chemical Communications, 2021, 57, 11689-11692.	4.1	15
87	Comparative Metabolomic Study of Penicillium chrysogenum During Pilot and Industrial Penicillin Fermentations. Applied Biochemistry and Biotechnology, 2012, 168, 1223-1238.	2.9	14
88	Asymmetrical aza-boron-dipyridomethene derivatives with large Stokes shifts: synthesis and spectroscopic properties. Tetrahedron Letters, 2014, 55, 3792-3796.	1.4	14
89	Nonsymmetric Benzo[ <i>a</i> ]fused and Thiophene/Thieno[3,2- <i>b</i> ]thiophene[ <i>b</i> ]fused BODIPYs: Synthesis and Photophysical Properties. Journal of Organic Chemistry, 2021, 86, 601-608.	3.2	14
90	Emission of boron dipyrromethene dyes through energy transfer to their S2 state from polysilane S1 state. Dyes and Pigments, 2012, 94, 183-186.	3.7	13

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91	Mdm2 mediates FMRP- and Gp1 mGluR-dependent protein translation and neural network activity. Human Molecular Genetics, 2017, 26, 3895-3908.	2.9	13
92	NIR halogenated thieno[3, 2-b]thiophene fused BODIPYs with photodynamic therapy properties in HeLa cells. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 246, 119027.	3.9	13
93	Genistein, a soybean isoflavone, reduces the production of pro-inflammatory and adhesion molecules induced by hemolysate in brain microvascular endothelial cells. Acta Neurologica Belgica, 2009, 109, 32-7.	1.1	13
94	Nâ∈Bridged Annulated BODIPYs: Synthesis of Highly Fluorescent Blueshifted Dyes. Chemistry - an Asian Journal, 2017, 12, 2216-2220.	3.3	12
95	GFZF, a Glutathione <i>S</i> -Transferase Protein Implicated in Cell Cycle Regulation and Hybrid Inviability, Is a Transcriptional Coactivator. Molecular and Cellular Biology, 2018, 38, .	2.3	12
96	Solar wind dynamic pressure effect on planetary wave propagation and synopticâ€scale Rossby wave breaking. Journal of Geophysical Research D: Atmospheres, 2013, 118, 4476-4493.	3.3	10
97	Aza boron-pyridyl-isoindoline isomers: synthesis and photophysical properties. Journal of Porphyrins and Phthalocyanines, 2014, 18, 679-685.	0.8	10
98	Synthesis and spectroscopic properties of novel N–N linked bis-(diphenylboron) complexes. New Journal of Chemistry, 2016, 40, 5752-5757.	2.8	10
99	Bis(trimethylsilyl)phenyl-bridged D-A molecules: Synthesis, spectroscopic properties and for achieving deep-blue emitting materials. Dyes and Pigments, 2020, 174, 108063.	3.7	9
100	Disilane-bridged architectures with high optical transparency for optical limiting. Journal of Materials Chemistry C, 2021, 9, 6470-6476.	5.5	9
101	Hemolysate-induced Expression of Intercellular Adhesion Molecule-1 and Monocyte Chemoattractant Protein-1 Expression in Cultured Brain Microvascular Endothelial Cells via Through ROS-dependent NF-κB Pathways. Cellular and Molecular Neurobiology, 2009, 29, 87-95.	3.3	8
102	A General Strategy for the Construction of NIRâ€emitting Siâ€rhodamines and Their Application for Mitochondrial Temperature Visualization. Chemistry - an Asian Journal, 2020, 15, 2724-2730.	3.3	8
103	Direct C–H amination of BODIPY core: Synthesis and spectroscopic properties. Dyes and Pigments, 2020, 177, 108275.	3.7	8
104	Observation of intermediates by online mass spectrometry to demonstrate the multiple mechanisms of dye-sensitized photocatalysis. Chemical Communications, 2021, 57, 3921-3924.	4.1	8
105	A simple route toward triplet-forming thionated BODIPY-based photosensitizers. Dyes and Pigments, 2022, 200, 110167.	3.7	8
106	Experimental investigation of square dissipative soliton generation and propagation. Applied Optics, 2010, 49, 4751.	2.1	7
107	Comprehensive Profiling of Proteome Changes Provide Insights of Industrial Penicillium chrysogenum During Pilot and Industrial Penicillin G Fermentation. Applied Biochemistry and Biotechnology, 2016, 179, 788-804.	2.9	7
108	<i><math>N &lt; li&gt;, O &lt; li&gt;-Chelated Organoboron Complexes with Seven-Membered Rings. Journal of Organic Chemistry, 2022, 87, 7712-7719.</math></i>	3.2	7

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109	A near-infrared photoacoustic probe for specific detection of fluoride ion in vivo. Dyes and Pigments, 2022, 205, 110536.	3.7	6
110	A Colormetric and Fluorescence Probe for Highly Specific Cu2+ and its Application in Live Cell Imaging. Journal of Fluorescence, 2022, 32, 2015-2021.	2.5	5
111	Chiral diamine catalyzed induction of helical chirality in polysilanes. Journal of Organometallic Chemistry, 2014, 772-773, 143-146.	1.8	4
112	Assessing nursing quality in paediatric intensive care units: a crossâ€sectional study inÂChina. Nursing in Critical Care, 2017, 22, 355-361.	2.3	4
113	Aza boron-pyridyl-isoindoline analogues: synthesis and photophysical properties. New Journal of Chemistry, 2017, 41, 5802-5807.	2.8	4
114	Dithienosilole extended BODIPYs: Synthesis and spectroscopic properties. Journal of Porphyrins and Phthalocyanines, 2019, 23, 664-670.	0.8	4
115	Oligosilanyl-Bridged Biscarbazoles: Structure, Synthesis, and Spectroscopic Properties. ACS Omega, 2020, 5, 19181-19186.	3.5	4
116	NBN unit functionalized pyrene derivatives with different photophysical and anti-counterfeiting properties. Journal of Photochemistry and Photobiology A: Chemistry, 2021, 412, 113206.	3.9	4
117	Rationalizing the effect of benzo-fusion at $[\langle i \rangle a \langle j \rangle]$ and $[\langle i \rangle b \langle j \rangle]$ positions of BODIPY on fluorescence yields. Physical Chemistry Chemical Physics, 2021, 23, 17402-17407.	2.8	3
118	Comparative lipidomic analysis of Cephalosporium acremonium insights into industrial and pilot fermentations. Biotechnology and Bioprocess Engineering, 2012, 17, 259-269.	2.6	2
119	A Chiral Hemiporphyrazine Derivative: Synthesis and Chiroptical Properties. Chemistry - an Asian Journal, 2016, 11, 2113-2116.	3.3	2
120	Robust tetrakisarylsilyl substituted spirobifluorene: Synthesis and application as universal host for blue to red electrophosphorescence. Dyes and Pigments, 2021, 194, 109550.	3.7	2
121	Color difference caused by chirality. Inorganic Chemistry Communication, 2011, 14, 13-16.	3.9	1
122	Ribosomal protein L11 associates with c-Myc at 5 S rRNA and tRNA genes and regulates their expression Journal of Biological Chemistry, 2010, 285, 39574.	3.4	0
123	Inside Cover: The Synthesis and Properties of Freeâ€Base [14]Triphyrin(2.1.1) Compounds and the Formation of Subporphyrinoid Metal Complexes (Chem. Eur. J. 16/2011). Chemistry - A European Journal, 2011, 17, 4334-4334.	3.3	0
124	Panchromatic BODIPY dyes: Synthesis and optoelectronic properties. Journal of Porphyrins and Phthalocyanines, 2021, 25, 1033-1038.	0.8	0
125	Impact of the boron substituent on the molecular structures and electronic properties of N-heterocycle-substituted indolylboranes. Dyes and Pigments, 2021, 196, 109807.	3.7	0