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	A simple route toward triplet-forming thionated BODIPY-based photosensitizers. Dyes and Pigments, 2022, 200, 110167.	3.7	8
2	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
3	<i>N</i> , <i>O</i> -Chelated Organoboron Complexes with Seven-Membered Rings. Journal of Organic Chemistry, 2022, 87, 7712-7719.	3.2	7
4	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
5	A near-infrared photoacoustic probe for specific detection of fluoride ion in vivo. Dyes and Pigments, 2022, 205, 110536.	3.7	6
6	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
7	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
8	Disilane-bridged architectures with high optical transparency for optical limiting. Journal of Materials Chemistry C, 2021, 9, 6470-6476.	5 . 5	9
9	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
10	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
11	Panchromatic BODIPY dyes: Synthesis and optoelectronic properties. Journal of Porphyrins and Phthalocyanines, 2021, 25, 1033-1038.	0.8	O
12	Bipolar Molecules with Hybridized Local and Chargeâ€Transfer State for Highly Efficient Deepâ€Blue Organic Lightâ€Emitting Diodes with EQE of 7.4% and CIE <i>_y</i> Ââ^¼ 0.05. Advanced Optical Materials, 2021, 9, 2100965.	7.3	36
13	Robust tetrakisarylsilyl substituted spirobifluorene: Synthesis and application as universal host for blue to red electrophosphorescence. Dyes and Pigments, 2021, 194, 109550.	3.7	2
14	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
15	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
16	Rationalizing the effect of benzo-fusion at $[\langle i \rangle a \langle i \rangle]$ and $[\langle i \rangle b \langle i \rangle]$ positions of BODIPY on fluorescence yields. Physical Chemistry Chemical Physics, 2021, 23, 17402-17407.	2.8	3
17	Si-Bridged annulated BODIPYs: synthesis, unique structure and photophysical properties. Chemical Communications, 2021, 57, 11689-11692.	4.1	15
18	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

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19	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
20	Oligosilanyl-Bridged Biscarbazoles: Structure, Synthesis, and Spectroscopic Properties. ACS Omega, 2020, 5, 19181-19186.	3.5	4
21	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
22	Direct C–H amination of BODIPY core: Synthesis and spectroscopic properties. Dyes and Pigments, 2020, 177, 108275.	3.7	8
23	Editorial: BODIPYs and Their Derivatives: The Past, Present and Future. Frontiers in Chemistry, 2020, 8, 290.	3.6	25
24	Twisted donor–acceptor molecules for efficient deep blue electroluminescence with CIE _y â^¼ 0.06. Journal of Materials Chemistry C, 2020, 8, 9401-9409.	5.5	18
25	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
26	Lysosome-targeting turn-on red/NIR BODIPY probes for imaging hypoxic cells. Chemical Communications, 2019, 55, 11567-11570.	4.1	54
27	Dithienosilole extended BODIPYs: Synthesis and spectroscopic properties. Journal of Porphyrins and Phthalocyanines, 2019, 23, 664-670.	0.8	4
28	Thieno[3,2- <i>b</i>)]thiophene fused BODIPYs: synthesis, near-infrared luminescence and photosensitive properties. Organic and Biomolecular Chemistry, 2019, 17, 3617-3622.	2.8	37
29	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
30	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
31	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
32	SPIN1 promotes tumorigenesis by blocking the uL18 (universal large ribosomal subunit protein) Tj ETQq0 0 0 rgE	3T /Overlo	ck <u>10</u> Tf 50 22
33	Disilanylene-bridged BODIPY-based Dâ \in " <i>i f</i> a ="A architectures: a novel promising series of NLO chromophores. Chemical Communications, 2018, 54, 8834-8837.	4.1	43
34	Assessing nursing quality in paediatric intensive care units: a crossâ€sectional study inÂChina. Nursing in Critical Care, 2017, 22, 355-361.	2.3	4
35	Aza boron-pyridyl-isoindoline analogues: synthesis and photophysical properties. New Journal of Chemistry, 2017, 41, 5802-5807.	2.8	4
36	Arl13b Promotes Gastric Tumorigenesis by Regulating Smo Trafficking and Activation of the Hedgehog Signaling Pathway. Cancer Research, 2017, 77, 4000-4013.	0.9	33

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37	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
38	Silyl―and Disilanylâ€BODIPYs: Synthesis via Catalytic Dehalosilylation and Spectroscopic Properties. Chemistry - an Asian Journal, 2017, 12, 561-567.	3.3	19
39	Mdm2 mediates FMRP- and Gp1 mGluR-dependent protein translation and neural network activity. Human Molecular Genetics, 2017, 26, 3895-3908.	2.9	13
40	Nâ€Bridged Annulated BODIPYs: Synthesis of Highly Fluorescent Blueshifted Dyes. Chemistry - an Asian Journal, 2017, 12, 2216-2220.	3.3	12
41	An Acidic Exopolysaccharide from (i> Haloarcula hispanica (i> ATCC33960 and Two Genes Responsible for Its Synthesis. Archaea, 2017, 2017, 1-12.	2.3	16
42	Pleckstrin homology domain-containing protein PHLDB3 supports cancer growth via a negative feedback loop involving p53. Nature Communications, 2016, 7, 13755.	12.8	34
43	Optically active BODIPYs. Coordination Chemistry Reviews, 2016, 318, 1-15.	18.8	102
44	Optically Active Porphyrin and Phthalocyanine Systems. Chemical Reviews, 2016, 116, 6184-6261.	47.7	240
45	Chiral binaphthyl-linked BODIPY analogues: synthesis and spectroscopic properties. Journal of Materials Chemistry C, 2016, 4, 4668-4674.	5.5	41
46	A Chiral Hemiporphyrazine Derivative: Synthesis and Chiroptical Properties. Chemistry - an Asian Journal, 2016, 11, 2113-2116.	3.3	2
47	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
48	Synthesis and properties of azulene-functionalized BODIPYs. RSC Advances, 2016, 6, 32124-32129.	3.6	18
49	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
50	Synthesis and spectroscopic properties of novel N–N linked bis-(diphenylboron) complexes. New Journal of Chemistry, 2016, 40, 5752-5757.	2.8	10
51	Aberrantly activated Gli2-KIF20A axis is crucial for growth of hepatocellular carcinoma and predicts poor prognosis. Oncotarget, 2016, 7, 26206-26219.	1.8	69
52	Nerve growth factor receptor negates the tumor suppressor p53 as a feedback regulator. ELife, 2016, 5,	6.0	62
53	Population-based geographic access to endocrinologists in the United States, 2012. BMC Health Services Research, 2015, 15, 541.	2.2	81
54	Graphene-based active slow surface plasmon polaritons. Scientific Reports, 2015, 5, 8443.	3.3	134

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55	A BODIPY-based †turn-on' fluorescent probe for hypoxic cell imaging. Chemical Communications, 2015, 51, 13389-13392.	4.1	87
56	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
57	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
58	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
59	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
60	A tribute to Michael R. Raupach for contributions to aeolian fluid dynamics. Aeolian Research, 2015, 19, 37-54.	2.7	27
61	Asymmetric core-expanded aza-BODIPY analogues: facile synthesis and optical properties. Chemical Communications, 2015, 51, 1713-1716.	4.1	68
62	Organosilicon compounds as fluorescent chemosensors for fluoride anion recognition. Coordination Chemistry Reviews, 2015, 285, 24-51.	18.8	97
63	Lipid nanoparticles loaded with 7-ethyl-10-hydroxycamptothecin-phospholipid complex: <i>in vitro</i> and <i>in vivo</i> studies. Drug Delivery, 2015, 22, 701-709.	5.7	17
64	Aza boron-pyridyl-isoindoline isomers: synthesis and photophysical properties. Journal of Porphyrins and Phthalocyanines, 2014, 18, 679-685.	0.8	10
65	New 2,6â€Distyrylâ€Substituted BODIPY Isomers: Synthesis, Photophysical Properties, and Theoretical Calculations. Chemistry - A European Journal, 2014, 20, 1091-1102.	3.3	64
66	Boron-pyridyl-imino-isoindoline dyes: facile synthesis and photophysical properties. Chemical Communications, 2014, 50, 1074-1076.	4.1	72
67	Synthesis and fluorescence properties of isoindoline–benzazole-based boron difluoride complexes. New Journal of Chemistry, 2014, 38, 1277.	2.8	33
68	AMP-Activated Protein Kinase Induces p53 by Phosphorylating MDMX and Inhibiting Its Activity. Molecular and Cellular Biology, 2014, 34, 148-157.	2.3	86
69	Structural modification strategies for the rational design of red/NIR region BODIPYs. Chemical Society Reviews, 2014, 43, 4778-4823.	38.1	1,076
70	A new aza-BODIPY based NIR region colorimetric and fluorescent chemodosimeter for fluoride. RSC Advances, 2014, 4, 53864-53869.	3.6	44
71	Triphenylamine modified bis-diketopyrrolopyrrole molecular donor materials with extended conjugation for bulk heterojunction solar cells. Organic Electronics, 2014, 15, 2575-2586.	2.6	17
72	Synthesis and spectroscopic properties of novel meso-cyano boron-pyridyl-isoindoline dyes. Organic and Biomolecular Chemistry, 2014, 12, 8223-8229.	2.8	20

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73	Chiral diamine catalyzed induction of helical chirality in polysilanes. Journal of Organometallic Chemistry, 2014, 772-773, 143-146.	1.8	4
74	Asymmetrical aza-boron-dipyridomethene derivatives with large Stokes shifts: synthesis and spectroscopic properties. Tetrahedron Letters, 2014, 55, 3792-3796.	1.4	14
75	Flexible high-repetition-rate ultrafast fiber laser. Scientific Reports, 2013, 3, 3223.	3.3	106
76	Synthesis, characterization and solid-state emission properties of arylsilyl-substituted pyrene derivatives. Dyes and Pigments, 2013, 99, 771-778.	3.7	16
77	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
78	Gain-assisted trapping of light in tapered plasmonic waveguide. Optics Letters, 2013, 38, 558.	3.3	33
79	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
80	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
81	Dynamics of Defense Responses and Cell Fate Change during Arabidopsis-Pseudomonas syringae Interactions. PLoS ONE, 2013, 8, e83219.	2.5	29
82	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
83	Dispersionless slow light in MIM waveguide based on a plasmonic analogue of electromagnetically induced transparency. Optics Express, 2012, 20, 20902.	3.4	142
84	Observation of pulse trapping in a near-zero dispersion regime. Optics Letters, 2012, 37, 2619.	3.3	92
85	Physical and Functional Interaction between Ribosomal Protein L11 and the Tumor Suppressor ARF. Journal of Biological Chemistry, 2012, 287, 17120-17129.	3.4	29
86	Ratiometric fluorescence chemodosimeters for fluoride anion based on pyrene excimer/monomer transformation. Chemical Communications, 2012, 48, 10721.	4.1	117
87	Tunable high-channel-count bandpass plasmonic filters based on an analogue of electromagnetically induced transparency. Nanotechnology, 2012, 23, 444003.	2.6	118
88	Numerical investigation of an all-optical switch in a graded nonlinear plasmonic grating. Nanotechnology, 2012, 23, 444009.	2.6	51
89	Synthesis and spectroscopic properties of bodipy dimers with effective solid-state emission. RSC Advances, 2012, 2, 8840.	3.6	78
90	Comparative Metabolomic Study of Penicillium chrysogenum During Pilot and Industrial Penicillin Fermentations. Applied Biochemistry and Biotechnology, 2012, 168, 1223-1238.	2.9	14

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91	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
92	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
93	Comparative lipidomic analysis of Cephalosporium acremonium insights into industrial and pilot fermentations. Biotechnology and Bioprocess Engineering, 2012, 17, 259-269.	2.6	2
94	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
95	The therapeutic efficacy of camptothecin-encapsulated supramolecular nanoparticles. Biomaterials, 2012, 33, 1162-1169.	11.4	82
96	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
97	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
98	Ultrafast all-optical switching in nanoplasmonic waveguide with Kerr nonlinear resonator. Optics Express, 2011, 19, 2910.	3.4	287
99	Tunable multi-channel wavelength demultiplexer based on MIM plasmonic nanodisk resonators at telecommunication regime. Optics Express, 2011, 19, 3513.	3.4	220
100	Dual-wavelength step-like pulses in an ultra-large negative-dispersion fiber laser. Optics Express, 2011, 19, 3996.	3.4	56
101	Enhancement of transmission efficiency of nanoplasmonic wavelength demultiplexer based on channel drop filters and reflection nanocavities. Optics Express, 2011, 19, 12885.	3.4	94
102	Coexistence of unequal pulses in a normal dispersion fiber laser. Optics Express, 2011, 19, 16303.	3.4	18
103	A specific chemodosimeter for fluoride ion based on a pyrene derivative with trimethylsilylethynyl groups. Organic and Biomolecular Chemistry, 2011, 9, 4558.	2.8	61
104	Synthesis and Spectroscopic Properties of Fusedâ€Ringâ€Expanded Azaâ€Boradiazaindacenes. Chemistry - an Asian Journal, 2011, 6, 1026-1037.	3.3	116
105	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
106	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
107	Color difference caused by chirality. Inorganic Chemistry Communication, 2011, 14, 13-16.	3.9	1
108	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

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109	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
110	MDM2 Mediates Ubiquitination and Degradation of Activating Transcription Factor 3. Journal of Biological Chemistry, 2010, 285, 26908-26915.	3.4	43
111	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
112	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
113	Experimental investigation of square dissipative soliton generation and propagation. Applied Optics, 2010, 49, 4751.	2.1	7
114	Tunable band-pass plasmonic waveguide filters with nanodisk resonators. Optics Express, 2010, 18, 17922.	3.4	261
115	Generation and amplification of high-energy nanosecond pulses in a compact all-fiber laser. Optics Express, 2010, 18, 23024.	3.4	84
116	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
117	Specific Cu2+-induced J-aggregation and Hg2+-induced fluorescence enhancement based on BODIPY. Chemical Communications, 2010, 46, 3565.	4.1	89
118	Chronic Myeloid Leukemia Patients Sensitive and Resistant to Imatinib Treatment Show Different Metabolic Responses. PLoS ONE, 2010, 5, e13186.	2.5	27
119	Expression of monocyte chemoattractant protein-1 in the cerebral artery after experimental subarachnoid hemorrhage. Brain Research, 2009, 1262, 73-80.	2.2	38
120	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
121	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
122	N-acetylcysteine suppresses oxidative stress in experimental rats with subarachnoid hemorrhage. Journal of Clinical Neuroscience, 2009, 16, 684-688.	1.5	36
123	Inhibition of hemolysate-induced iNOS and COX-2 expression by genistein through suppression of NF-D°B activation in primary astrocytes. Journal of the Neurological Sciences, 2009, 278, 91-95.	0.6	29
124	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
125	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