Lingyun Wang

List of Publications by Year
in descending order

112 papers	4,105 citations	117453 34 h-index	138251 58 g-index
116 all docs	116 docs citations	116 times ranked	3806 citing authors

#	Article	IF	Citations
1	A Facile and Efficient Preparation of Pillararenes and a Pillarquinone. Angewandte Chemie - International Edition, 2009, 48, 9721-9723.	7.2	600
2	Nitrogen-doped fluorescence carbon dots as multi-mechanism detection for iodide and curcumin in biological and food samples. Bioactive Materials, 2021, 6, 1541-1554.	8.6	160
3	A Conjugated Polymeric Supramolecular Network with Aggregationâ€Induced Emission Enhancement: An Efficient Lightâ€Harvesting System with an Ultrahigh Antenna Effect. Angewandte Chemie - International Edition, 2020, 59, 9908-9913.	7.2	159
4	A new photoresponsive coumarin-derived Schiff base: Chemosensor selectively for Al3+ and Fe3+ and fluorescence â€œturn-onâ€•under room light. Sensors and Actuators B: Chemical, 2013, 181, 749-755.	4.0	113
5	Dithienopyrrolobenzothiadiazole-based organic dyes for efficient dye-sensitized solar cells. Journal of Materials Chemistry A, 2014, 2, 15365-15376.	5.2	90
6	A novel phenol-based BODIPY chemosensor for selective detection Fe3+ with colorimetric and fluorometric dual-mode. Sensors and Actuators B: Chemical, 2015, 207, 849-857.	4.0	90
7	Aggregation-induced emission luminogens for highly effective microwave dynamic therapy. Bioactive Materials, 2022, 7, 112-125.	8.6	78
8	A novel coumarin Schiff-base as a Ni(II) ion colorimetric sensor. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 90, 40-44.	2.0	73
9	Effect of the linkage location in double branched organic dyes on the photovoltaic performance of DSSCs. Journal of Materials Chemistry A, 2015, 3, 1333-1344.	5.2	72
10	Excited State Intramolecular Proton Transfer Plus Aggregation-Induced Emission-Based Diketopyrrolopyrrole Luminogen: Photophysical Properties and Simultaneously Discriminative Detection of Trace Water in Three Organic Solvents. Analytical Chemistry, 2019, 91, 5261-5269.	3.2	71
11	A colorimetric and fluorescence â€œturn-offâ€•chemosensor for the detection of silver ion based on a conjugated polymer containing 2,3-di(pyridin-2-yl)quinoxaline. Sensors and Actuators B: Chemical, 2015, 207, 281-290.	4.0	70
12	Synthesis and host-guest properties of pillar[6]arenes. Science China Chemistry, 2012, 55, 223-228.	4.2	69
13	Synthesis of novel diketopyrrolopyrrole-based luminophores showing crystallization-induced emission enhancement properties. Dyes and Pigments, 2011, 90, 311-318.	2.0	63
14	2,3-Dipentyldithieno[3,2-f:2â€²,3â€²-h]quinoxaline-Based Organic Dyes for Efficient Dye-Sensitized Solar Cells: Effect of Ï€-Bridges and Electron Donors on Solar Cell Performance. ACS Applied Materials & Interfaces, 2015, 7, 20418-20429.	4.0	63
15	Diketopyrrolopyrrole-based fluorescent probes for detection and bioimaging: Current progresses and perspectives. Dyes and Pigments, 2019, 162, 934-950.	2.0	55
16	Synthesis, characterization and in vitro biological activity of cobalt(II), copper(II) and zinc(II) Schiff base complexes derived from salicylaldehyde and D,Lâ€selenomethionine. Applied Organometallic Chemistry, 2011, 25, 9-15.	1.7	52
17	A colorimetric and fluorescent probe containing diketopyrrolopyrrole and 1,3-indanedione for cyanide detection based on exciplex signaling mechanism. Sensors and Actuators B: Chemical, 2014, 198, 455-461.	4.0	51
18	A colorimetric probe based on diketopyrrolopyrrole and tert-butyl cyanoacetate for cyanide detection. New Journal of Chemistry, 2015, 39, 7211-7218.	1.4	49

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19	Effect of scaffold structures on the artificial light-harvesting systems: a case study with an AIEE-active pillar[5]arene dyad. Chemical Communications, 2019, 55, 5910-5913.	2.2	47
20	Recent progress on reaction-based BODIPY probes for anion detection. Dyes and Pigments, 2020, 172, 107857.	2.0	47
21	Recent advances on reaction-based amine fluorescent probes. Dyes and Pigments, 2021, 194, 109634.	2.0	47
22	Probes based on diketopyrrolopyrrole and anthracenone conjugates with aggregation-induced emission characteristics for pH and BSA sensing. Sensors and Actuators B: Chemical, 2015, 221, 155-166.	4.0	45
23	Pillar[5]areneâ€Diketopyrrolopyrrole Fluorescent Copolymer: A Promising Recognition and Adsorption Material for Adiponitrile by Selective Formation of a Conjugated Polypseudorotaxane. Macromolecular Rapid Communications, 2017, 38, 1700161.	2.0	45
24	A monophosphoryl copillar[5]arene: synthesis and hostâ€“guest complexation with alkanols. RSC Advances, 2013, 3, 21405.	1.7	44
25	Syntheses, characterization and biological studies of zinc(II), copper(II) and cobalt(II) complexes with Schiff base ligand derived from 2â€hydroxyâ€1â€naphthaldehyde and selenomethionine. Applied Organometallic Chemistry, 2010, 24, 741-747.	1.7	43
26	A visual and fluorometric probe for Al(III) and Fe(III) using diketopyrrolopyrrole-based Schiff base. Sensors and Actuators B: Chemical, 2014, 202, 949-958.	4.0	43
27	A BODIPY-based dye with red fluorescence in solid state and used as a fluorescent and colorimetric probe for highly selective detection of cyanide. Sensors and Actuators B: Chemical, 2017, 239, 1307-1317.	4.0	43
28	Study of copper-cysteamine based X-ray induced photodynamic therapy and its effects on cancer cell proliferation and migration in a clinical mimic setting. Bioactive Materials, 2022, 7, 504-514.	8.6	43
29	Fluorescent nanoaggregates of quinoxaline derivatives for highly efficient and selective sensing of trace picric acid. Dyes and Pigments, 2018, 155, 107-113.	2.0	41
30	Diketopyrrolopyrrole-derived Schiff base as colorimetric and fluoromertic probe for sequential detection of HSO4â˜ and Fe3+ with â€œoff-on-offâ€•response. Sensors and Actuators B: Chemical, 2015, 209, 536-544.	4.0	40
31	Striking luminescence phenomena of carbon dots and their applications as a double ratiometric fluorescence probes for H2S detection. Materials Today Physics, 2021, 17, 100328.	2.9	40
32	Carbazole and triazole-containing conjugated polymer as a visual and fluorometric probe for iodide and mercury. Sensors and Actuators B: Chemical, 2014, 195, 572-580.	4.0	38
33	Highly selective and sensitive detection of Fâ˜ and CNâ˜ ions simultaneously by a reaction-based BODIPY-containing conjugated polymer. Sensors and Actuators B: Chemical, 2015, 221, 63-74.	4.0	34
34	Selective precipitation of alkyl dihalides using a newly synthesized water-soluble bisphosphorylpillar[5]arene. Chemical Communications, 2016, 52, 8075-8078.	2.2	34
35	Influence of spatial arrangements of Ï€-spacer and acceptor of phenothiazine based dyes on the performance of dye-sensitized solar cells. Organic Electronics, 2013, 14, 2662-2672.	1.4	33
36	A facile synthesis of novel near-infrared pyrrolopyrrole aza-BODIPY luminogens with aggregation-enhanced emission characteristics. Chemical Communications, 2017, 53, 8352-8355.	2.2	33

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37	An efficient probe for sensing different concentration ranges of glutathione based on AIE-active Schiff base nanoaggregates with distinct reaction mechanism. Sensors and Actuators B: Chemical, 2018, 273, 1085-1090.	4.0	33
38	A highly efficient, colorimetric and fluorescent probe for recognition of aliphatic primary amines based on a unique cascade chromophore reaction. Chemical Communications, 2019, 55, 9789-9792.	2.2	33
39	Pyrrolopyrrole aza-BODIPY dyes for ultrasensitive and highly selective biogenic diamine detection. Sensors and Actuators B: Chemical, 2020, 312, 127953.	4.0	32
40	A conjugated polymer with ethyl 2-(2-(pyridin-2-yl)-1H-benzo[d]imidazol-1-yl) acetate units as a novel fluorescent chemosensor for silver(I) detection. Sensors and Actuators B: Chemical, 2013, 186, 741-749.	4.0	31
41	Diketopyrrolopyrrole: An emerging phototherapy agent in fighting cancer. Dyes and Pigments, 2020, 181, 108599.	2.0	30
42	Twisted intramolecular charge transfer and aggregation-enhanced emission characteristics based quinoxaline luminogen: photophysical properties and a turn-on fluorescent probe for glutathione. Journal of Materials Chemistry C, 2019, 7, 3779-3786.	2.7	29
43	An interface-targeting and H₂O₂-activatable probe liberating AIEgen: enabling on-site imaging and dynamic movement tracking of lipid droplets. Chemical Communications, 2019, 55, 4491-4494.	2.2	29
44	Phenothiazine dye featuring encapsulated insulated molecular wire as auxiliary donor for high photovoltage of dye-sensitized solar cells by suppression of aggregation. Electrochimica Acta, 2019, 302, 225-233.	2.6	29
45	Application of Aggregation-Induced Emission (AIE) Systems in Sensing and Bioimaging. Current Organic Chemistry, 2014, 18, 1028-1049.	0.9	29
46	Development of a novel chromophore reaction-based fluorescent probe for biogenic amines detection. Journal of Materials Chemistry B, 2021, 9, 9383-9394.	2.9	28
47	Pyridinium-substituted tetraphenylethylene salt-based photosensitizers by varying counter anions: a highly efficient photodynamic therapy for cancer cell ablation and bacterial inactivation. Journal of Materials Chemistry B, 2020, 8, 5234-5244.	2.9	27
48	Synthesis of diketopyrrolopyrroleâ€containing conjugated polyelectrolytes for nakedâ€eye detection of DNA. Journal of Polymer Science Part A, 2011, 49, 3882-3889.	2.5	26
49	A fluorescent turn-on probe for detection of HSO4â¯ ion based on hydrolysis of BODIPY-derived Schiff base with chromogenic and fluorogenic dual signals. Sensors and Actuators B: Chemical, 2016, 222, 1184-1192.	4.0	26
50	A novel fluorescence turn-on probe based on diketopyrrolopyrrole-nitroolefin conjugate for highly selective detection of glutathione over cysteine and homocysteine. Sensors and Actuators B: Chemical, 2017, 244, 531-540.	4.0	26
51	Synthesis, photoluminescence, chromogenic and fluorogenic discrimination of fluoride and cyanide based on a triphenylamine-tri(2-formyl BODIPY) conjugate. Sensors and Actuators B: Chemical, 2017, 241, 1224-1234.	4.0	26
52	A multistimuli-responsive fluorescent switch in the solution and solid states based on spiro[fluorene-9,9â€²-xanthene]-spiropyran. Journal of Materials Chemistry C, 2019, 7, 9102-9111.	2.7	26
53	Stronger hostâ€“guest binding does not necessarily give brighter particles: a case study on polymeric AIEE-tunable and size-tunable supraspheres. Chemical Communications, 2018, 54, 9274-9277.	2.2	25
54	Effect of structural engineering of Ï€-spacers on anti-aggregation of Dâ€“Aâ€“Ï€â€“A dyes. Journal of Materials Chemistry C, 2019, 7, 10379-10388.	2.7	25

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55	Recent advances of NIR dyes of pyrrolopyrrole cyanine and pyrrolopyrrole aza-BODIPY: Synthesis and application. Dyes and Pigments, 2022, 198, 110040.	2.0	25
56	The synthesis and highly sensitive detection of water content in THF using a novel solvatochromic AIE polymer containing diketopyrrolopyrrole and triphenylamine. New Journal of Chemistry, 2016, 40, 6706-6713.	1.4	24
57	Fluorescent-Cavity Host: An Efficient Probe to Study Supramolecular Recognition Mechanisms. Journal of Physical Chemistry Letters, 2018, 9, 1047-1052.	2.1	24
58	Sensitive detection of DNA by hyperbranched diketopyrrolopyrrole-based conjugated polyelectrolytes. Sensors and Actuators B: Chemical, 2013, 182, 176-183.	4.0	23
59	Detection of HSO4 â¯ Ion Based on the Hydrolysis of Diketopyrrolopyrrole-derived Schiff Base with Chromogenic and Fluorogenic Dual Signals. Journal of Fluorescence, 2014, 24, 1347-1355.	1.3	23
60	A cyanide-selective colorimetric â€œnaked-eyeâ€•and fluorescent chemosensor based on a diketopyrrolopyrroleâ€“hydrazone conjugate and its use for the design of a molecular-scale logic device. RSC Advances, 2016, 6, 96676-96685.	1.7	23
61	The exploration of novel fluorescent copperâ€“cysteamine nanosheets for sequential detection of Fe³⁺and dopamine and fabrication of molecular logic circuits. Journal of Materials Chemistry C, 2020, 8, 12935-12942.	2.7	23
62	A Reversible and Reusable Selective Chemosensor for Fluoride Detection Using a Phenolic OH-Containing BODIPY Dye by Both Colorimetric â€˜Naked-eyeâ€™ and Fluorometric Modes. Journal of Fluorescence, 2014, 24, 1757-1766.	1.3	22
63	A Conjugated Polymeric Supramolecular Network with Aggregationâ€Induced Emission Enhancement: An Efficient Lightâ€Harvesting System with an Ultrahigh Antenna Effect. Angewandte Chemie, 2020, 132, 9994-9999.	1.6	22
64	A colorimetric fluorescent chemodosimeter based on diketopyrrolopyrrole and 1,3-indanedione for cysteine detection and cellular imaging in living cells. Sensors and Actuators B: Chemical, 2014, 205, 281-288.	4.0	21
65	An efficient fluorescent probe for rapid sensing of different concentration ranges of cysteine with two-stage ratiometric signals. Dyes and Pigments, 2018, 157, 284-289.	2.0	21
66	Complexation Selectivities of Pillar[5]arenes with Primary Ammonium Salts. Chinese Journal of Chemistry, 2013, 31, 624-626.	2.6	20
67	Molecular engineering of the fused azacycle donors in the D-A-Ï€-A metal-free organic dyes for efficient dye-sensitized solar cells. Dyes and Pigments, 2022, 197, 109922.	2.0	20
68	Recent Advances of AIE-Active Conjugated Polymers: Synthesis and Application. Journal of Macromolecular Science - Pure and Applied Chemistry, 2014, 51, 668-681.	1.2	19
69	A nitroolefin functionalized DPP fluorescent probe for the selective detection of hydrogen sulfide. New Journal of Chemistry, 2017, 41, 3367-3373.	1.4	19
70	Recent advance of lipid droplets fluorescence imaging with aggregation-induced emission luminogens (AIEgens). Dyes and Pigments, 2022, 203, 110332.	2.0	19
71	Recent Advances and the Application of Poly(3-hydroxybutyrate-co-3-hydroxyvalerate) as Tissue Engineering Materials. Journal of Macromolecular Science - Pure and Applied Chemistry, 2013, 50, 885-893.	1.2	18
72	A novel and efficient chromophore reaction based on a lactam-fused aza-BODIPY for polyamine detection. Analytica Chimica Acta, 2020, 1135, 38-46.	2.6	18

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73	Synthesis and inclusion properties of pillar[n]arenes. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2013, 77, 279-289.	0.9	16
74	Tailoring Fluorescence Emission of Diketopyrrolopyrrole Dyes by an Aggregationâ€induced Emission Coupled Excitedâ€state Intramolecular Proton Transfer Process. Chemistry - an Asian Journal, 2018, 13, 950-954.	1.7	16
75	A near-infrared turn on fluorescent probe for cysteine based on organic nanoparticles. Sensors and Actuators B: Chemical, 2018, 277, 437-444.	4.0	16
76	Synthesis and Characterization of Novel Biodegradable Polyamides ContainingÎ±-amino Acid. Journal of Macromolecular Science - Pure and Applied Chemistry, 2009, 46, 312-320.	1.2	15
77	Conjugated Polyelectrolytes: Synthesis and Application in Biomolecule Detection. Current Organic Chemistry, 2012, 16, 1468-1484.	0.9	15
78	Cationic conjugated polyelectrolyte-based sensitive fluorescence assay for adenosinetriphosphate and alkaline phosphatase. Sensors and Actuators B: Chemical, 2012, 171-172, 652-657.	4.0	15
79	Hostâ€“Guest Complexation of Monoanionic and Dianionic Guests with a Polycationic Pillararene Host: Same Two-Step Mechanism but Striking Difference in Rate upon Inclusion. Journal of Physical Chemistry Letters, 2020, 11, 2021-2026.	2.1	15
80	Fluorescence enhancement of water-soluble porphyrin-containing conjugated polymer induced by DNA and cellular imaging in living cells. Sensors and Actuators B: Chemical, 2014, 196, 653-662.	4.0	14
81	Synthesis, characterization and fluorescence â€œturn-onâ€•detection of BSA based on the cationic poly(diketopyrrolopyrrole- co -ethynylfluorene) through deaggregating process. Sensors and Actuators B: Chemical, 2016, 231, 733-743.	4.0	14
82	Synthesis of coumarin-containing conjugated polymer for naked-eye detection of DNA and cellular imaging. Sensors and Actuators B: Chemical, 2013, 181, 234-243.	4.0	13
83	2-Pyridine-1H-benzo[d]imidazole based conjugated polymers: A selective fluorescent chemosensor for Ni2+ or Ag+ depending on the molecular linkage sites. Sensors and Actuators B: Chemical, 2014, 196, 495-503.	4.0	13
84	Tetraphenylethene-functionalized diketopyrrolopyrrole solid state emissive molecules: enhanced emission in the solid state and as a fluorescent probe for cyanide detection. RSC Advances, 2016, 6, 55182-55193.	1.7	13
85	Enhanced Poly(Propylene Carbonate) with Thermoplastic Networks: A One-Pot Synthesis from Carbon Dioxide, Propylene Oxide, and a Carboxylic Dianhydride. Polymers, 2018, 10, 552.	2.0	13
86	Design and synthesis of an AIEgen with multiple functions: Solvatochromism, chromism, lipid droplet imaging. Dyes and Pigments, 2020, 181, 108537.	2.0	13
87	Cross-Linked Networks in Poly(propylene carbonate) by Incorporating (Maleic) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 192 Td (A Oxide Copolymerization: Improving and Tailoring Thermal, Mechanical, and Dimensional Properties. ACS Omega, 2020, 5, 17808-17817.	1.6	13
88	Characterization of nanoparticles combining polyamine detection with photodynamic therapy. Communications Biology, 2021, 4, 803.	2.0	13
89	Bio-inspired AIE pillar[5]arene probe with multiple binding sites to discriminate alkanediamines. Chemical Communications, 2021, 57, 13114-13117.	2.2	12
90	Hexnut[12]arene and its derivatives: Synthesis, host-guest properties, and application as nonporous adaptive crystals. Science China Chemistry, 2022, 65, 539-545.	4.2	12

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91	Novel butterfly-shaped AIE-active pyrrolopyrrole aza-BODIPYs: synthesis, bioimaging and diamine/polyamine detection. Journal of Materials Chemistry C, 2022, 10, 5672-5683.	2.7	12
92	Metal complex of polymer with 2-(pyridin-2-yl)-1H-benzo[d]imidazole unit as a selectivity-tunable chemosensor for amino acids. Sensors and Actuators B: Chemical, 2013, 188, 540-547.	4.0	11
93	Synthesis of a Cationic BODIPY-Containing Conjugated Polymer for Detection of DNA and Cellular Imaging. Journal of Fluorescence, 2016, 26, 427-437.	1.3	11
94	Synthesis of a BODIPYâ€“2-(2â€²-hydroxyphenyl)benzothiazole conjugate with solid state emission and its application as a fluorescent pH probe. Analytical Methods, 2018, 10, 1633-1639.	1.3	11
95	A Novel One-Pot Synthesis of Poly(Propylene Carbonate) Containing Cross-Linked Networks by Copolymerization of Carbon Dioxide, Propylene Oxide, Maleic Anhydride, and Furfuryl Glycidyl Ether. Polymers, 2019, 11, 881.	2.0	11
96	Conjugating pillararene dye in dye-sensitized solar cells. Cell Reports Physical Science, 2021, 2, 100326.	2.8	11
97	Enhanced Poly(propylene carbonate) with Thermoplastic Networks: A Cross-Linking Role of Maleic Anhydride Oligomer in CO2/PO Copolymerization. Polymers, 2019, 11, 1467.	2.0	10
98	A pillar[5]arene-containing cross-linked polymer: synthesis, characterization and adsorption of dihaloalkanes and n-alkylene dinitriles. RSC Advances, 2016, 6, 89810-89814.	1.7	9
99	A Colorimetric and Fluorescent Probe Based on Michael Acceptor Type Diketopyrrolopyrrole for Cyanide Detection. Journal of Fluorescence, 2017, 27, 1587-1594.	1.3	9
100	An assembly-induced-emission orthogonal supramolecular network with spirobifluorene, pillararene, and tetraphenylethylene units for efficient light harvesting. Journal of Materials Chemistry A, 2022, 10, 11332-11339.	5.2	9
101	Synthesis, characterization and detection of Concanavalin A based on a mannose-substituted conjugated polymer through aggregation-enhanced FRET. Sensors and Actuators B: Chemical, 2016, 229, 47-56.	4.0	8
102	Crystal Structure and Hostâ€“Guest Binding Ability of Three Types of Pillar[5]arenes. Chinese Journal of Chemistry, 2015, 33, 346-350.	2.6	7
103	A cucurbiturilâ€“pillararene ring-on-ring complex. Chemical Communications, 2021, 57, 6562-6565.	2.2	7
104	Fluorescence enhancement of cationic diacetyleneâ€contained polyelectrolyte by anions and cations and application for sensitive and selective detection of Hg²⁺. Journal of Polymer Science, Part B: Polymer Physics, 2011, 49, 1690-1694.	2.4	5
105	Impact of Ï€-spacers of dithieno[3,2-f:2â€²,3â€²-h]quinoxaline-based organic dyes with three Ï€-spacers on the solar cell performance. Journal of Materials Science: Materials in Electronics, 2019, 30, 647-657.	1.1	5
106	Modulating the molecular configuration by varying linking bridge for double-anchored dye-sensitized solar cells. Journal of Chemical Physics, 2020, 152, 244708.	1.2	5
107	Effect of substituents of phenyl of Ï€-linkage in carbazole sensitizers on the photovoltaic performance of the dye-sensitized solar cells. Dyes and Pigments, 2021, 194, 109582.	2.0	5
108	Synthesis and Spectra Characteristics of Novel 3-(para-Bromophenyl)-7-(substituted vinyl) Coumarins. Journal of Heterocyclic Chemistry, 2013, 50, 551-556.	1.4	4

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109	Design, synthesis and applications of NIR-emissive scaffolds of diketopyrrolopyrrole-aza-BODIPY hybrids. Chemical Communications, 2022, 58, 5996-5999.	2.2	4
110	Fabrication and Application of Dual-Modality Polymer Nanoparticles Based on an Aggregation-Induced Emission-Active Fluorescent Molecule and Magnetic Fe3O4. Polymers, 2019, 11, 220.	2.0	3
111	Research Progress in Cancer Treatment by Diketopyrrolopyrrole-Based Photosensitizers and Photothermal Agents. Chinese Journal of Organic Chemistry, 2020, 40, 4155.	0.6	3
112	Synthesis and Characterization of New Unsaturated Degradable Poly(ether ester amide)s Containing Ethylene Oxide Moieties. Journal of Macromolecular Science - Pure and Applied Chemistry, 2009, 46, 282-289.	1.2	2