Lingyun Wang

List of Publications by Year in Descending Order

110 papers	2,954 citations	30 h-index	49 g-index
116 ext. papers	3,576 ext. citations	6.1 avg, IF	5.67 L-index

#	Paper	IF	Citations
110	Hexnut[12]arene and its derivatives: Synthesis, host-guest properties, and application as nonporous adaptive crystals. *Science China Chemistry*, **2022**, 65, 539	7.9	0
109	Recent advances of NIR dyes of pyrrolopyrrole cyanine and pyrrolopyrrole aza-BODIPY: Synthesis and application. *Dyes and Pigments*, **2022**, 198, 110040	4.6	2
108	Aggregation-induced emission luminogens for highly effective microwave dynamic therapy. *Bioactive Materials*, **2022**, 7, 112-125	16.7	18
107	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	16.7	10
106	Novel butterfly-shaped AIE-active pyrrolopyrrole aza-BODIPYs: synthesis, bioimaging and diamine/polyamine detection. *Journal of Materials Chemistry C*, **2022**, 10, 5672-5683	7.1	0
105	Recent advance of lipid droplets fluorescence imaging with aggregation-induced emission luminogens (AIEgens). *Dyes and Pigments*, **2022**, 203, 110332	4.6	2
104	Bio-inspired AIE pillar[5]arene probe with multiple binding sites to discriminate alkanediamines. *Chemical Communications*, **2021**, 57, 13114-13117	5.8	2
103	Molecular engineering of the fused azacycle donors in the D-A-π-A metal-free organic dyes for efficient dye-sensitized solar cells. *Dyes and Pigments*, **2021**, 109922	4.6	0
102	Development of a novel chromophore reaction-based fluorescent probe for biogenic amines detection. *Journal of Materials Chemistry B*, **2021**, 9, 9383-9394	7.3	3
101	Nitrogen-doped fluorescence carbon dots as multi-mechanism detection for iodide and curcumin in biological and food samples. *Bioactive Materials*, **2021**, 6, 1541-1554	16.7	53
100	Striking luminescence phenomena of carbon dots and their applications as a double ratiometric fluorescence probes for H2S detection. *Materials Today Physics*, **2021**, 17, 100328	8	17
99	A cucurbituril-pillararene ring-on-ring complex. *Chemical Communications*, **2021**, 57, 6562-6565	5.8	2
98	Conjugating pillararene dye in dye-sensitized solar cells. *Cell Reports Physical Science*, **2021**, 2, 100326	6.1	6
97	Characterization of nanoparticles combining polyamine detection with photodynamic therapy. *Communications Biology*, **2021**, 4, 803	6.7	3
96	Effect of substituents of phenyl of π-linkage in carbazole sensitizers on the photovoltaic performance of the dye-sensitized solar cells. *Dyes and Pigments*, **2021**, 194, 109582	4.6	3
95	Recent advances on reaction-based amine fluorescent probes. *Dyes and Pigments*, **2021**, 194, 109634	4.6	9
94	Design and synthesis of an AIEgen with multiple functions: Solvatochromism, chromism, lipid droplet imaging. *Dyes and Pigments*, **2020**, 181, 108537	4.6	9

93	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	7.3	12
92	Diketopyrrolopyrrole: An emerging phototherapy agent in fighting cancer. *Dyes and Pigments*, **2020**, 181, 108599	4.6	12
91	Pyrrolopyrrole aza-BODIPY dyes for ultrasensitive and highly selective biogenic diamine detection. *Sensors and Actuators B: Chemical*, **2020**, 312, 127953	8.5	16
90	Cross-Linked Networks in Poly(propylene carbonate) by Incorporating (Maleic Anhydride/-1,2,3,6-Tetrahydrophthalic Anhydride) Oligomer in CO/Propylene Oxide Copolymerization: Improving and Tailoring Thermal, Mechanical, and Dimensional Properties. *ACS Omega*, **2020**, 5, 17808-17817	3.9	4
89	Modulating the molecular configuration by varying linking bridge for double-anchored dye-sensitized solar cells. *Journal of Chemical Physics*, **2020**, 152, 244708	3.9	4
88	Host-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	6.4	9
87	A novel and efficient chromophore reaction based on a lactam-fused aza-BODIPY for polyamine detection. *Analytica Chimica Acta*, **2020**, 1135, 38-46	6.6	6
86	The exploration of novel fluorescent copper□ysteamine nanosheets for sequential detection of Fe3+ and dopamine and fabrication of molecular logic circuits. *Journal of Materials Chemistry C*, **2020**, 8, 12935-12942	7.1	7
85	A Conjugated Polymeric Supramolecular Network with Aggregation-Induced Emission Enhancement: An Efficient Light-Harvesting System with an Ultrahigh Antenna Effect. *Angewandte Chemie*, **2020**, 132, 9994-9999	3.6	8
84	A Conjugated Polymeric Supramolecular Network with Aggregation-Induced Emission Enhancement: An Efficient Light-Harvesting System with an Ultrahigh Antenna Effect. *Angewandte Chemie - International Edition*, **2020**, 59, 9908-9913	16.4	77
83	Recent progress on reaction-based BODIPY probes for anion detection. *Dyes and Pigments*, **2020**, 172, 107857	4.6	28
82	Enhanced Poly(propylene carbonate) with Thermoplastic Networks: A Cross-Linking Role of Maleic Anhydride Oligomer in CO/PO Copolymerization. *Polymers*, **2019**, 11,	4.5	3
81	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	7.1	24
80	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,	4.5	6
79	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	5.8	34
78	An interface-targeting and HO-activatable probe liberating AIEgen: enabling on-site imaging and dynamic movement tracking of lipid droplets. *Chemical Communications*, **2019**, 55, 4491-4494	5.8	20
77	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	7.8	42
76	Fabrication and Application of Dual-Modality Polymer Nanoparticles Based on an Aggregation-Induced Emission-Active Fluorescent Molecule and Magnetic Fe□□ *Polymers*, **2019**, 11,	4.5	1

75	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	6.7	23
74	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	5.8	14
73	Effect of structural engineering of π-spacers on anti-aggregation of D-A-π-A dyes. *Journal of Materials Chemistry C*, **2019**, 7, 10379-10388	7.1	21
72	A multistimuli-responsive fluorescent switch in the solution and solid states based on spiro[fluorene-9,9?-xanthene]-spiropyran. *Journal of Materials Chemistry C*, **2019**, 7, 9102-9111	7.1	13
71	Impact of π-spacers of dithieno[3,2-f:2?,3?-h]quinoxaline-based organic dyes with three π-spacers on the solar cell performance. *Journal of Materials Science: Materials in Electronics*, **2019**, 30, 647-657	2.1	3
70	Diketopyrrolopyrrole-based fluorescent probes for detection and bioimaging: Current progresses and perspectives. *Dyes and Pigments*, **2019**, 162, 934-950	4.6	38
69	Tailoring Fluorescence Emission of Diketopyrrolopyrrole Dyes by an Aggregation-induced Emission Coupled Excited-state Intramolecular Proton Transfer Process. *Chemistry - an Asian Journal*, **2018**, 13, 950-954	4.5	9
68	Fluorescent-Cavity Host: An Efficient Probe to Study Supramolecular Recognition Mechanisms. *Journal of Physical Chemistry Letters*, **2018**, 9, 1047-1052	6.4	20
67	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	4.6	17
66	Fluorescent nanoaggregates of quinoxaline derivatives for highly efficient and selective sensing of trace picric acid. *Dyes and Pigments*, **2018**, 155, 107-113	4.6	28
65	Synthesis of a BODIPY-2-(2?-hydroxyphenyl)benzothiazole conjugate with solid state emission and its application as a fluorescent pH probe. *Analytical Methods*, **2018**, 10, 1633-1639	3.2	8
64	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	8.5	17
63	Enhanced Poly(Propylene Carbonate) with Thermoplastic Networks: A One-Pot Synthesis from Carbon Dioxide, Propylene Oxide, and a Carboxylic Dianhydride. *Polymers*, **2018**, 10,	4.5	7
62	Stronger host-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	5.8	21
61	A near-infrared turn on fluorescent probe for cysteine based on organic nanoparticles. *Sensors and Actuators B: Chemical*, **2018**, 277, 437-444	8.5	14
60	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	8.5	25
59	A Colorimetric and Fluorescent Probe Based on Michael Acceptor Type Diketopyrrolopyrrole for Cyanide Detection. *Journal of Fluorescence*, **2017**, 27, 1587-1594	2.4	9
58	Pillar[5]arene-Diketopyrrolopyrrole Fluorescent Copolymer: A Promising Recognition and Adsorption Material for Adiponitrile by Selective Formation of a Conjugated Polypseudorotaxane. *Macromolecular Rapid Communications*, **2017**, 38, 1700161	4.8	36

57	A nitroolefin functionalized DPP fluorescent probe for the selective detection of hydrogen sulfide. *New Journal of Chemistry*, **2017**, 41, 3367-3373	3.6	13
56	A facile synthesis of novel near-infrared pyrrolopyrrole aza-BODIPY luminogens with aggregation-enhanced emission characteristics. *Chemical Communications*, **2017**, 53, 8352-8355	5.8	23
55	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	8.5	37
54	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	8.5	22
53	A pillar[5]arene-containing cross-linked polymer: synthesis, characterization and adsorption of dihaloalkanes and n-alkylene dinitriles. *RSC Advances*, **2016**, 6, 89810-89814	3.7	7
52	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	3.6	18
51	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	3.7	12
50	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	8.5	7
49	Synthesis of a Cationic BODIPY-Containing Conjugated Polymer for Detection of DNA and Cellular Imaging. *Journal of Fluorescence*, **2016**, 26, 427-37	2.4	8
48	A fluorescent turn-on probe for detection of HSO_4^- ion based on hydrolysis of BODIPY-derived Schiff base with chromogenic and fluorogenic dual signals. *Sensors and Actuators B: Chemical*, **2016**, 222, 1184-1192	8.5	24
47	Synthesis, characterization and fluorescence "turn-on" detection of BSA based on the cationic poly(diketopyrrolopyrrole-co-ethynylfluorene) through deaggregating process. *Sensors and Actuators B: Chemical*, **2016**, 231, 733-743	8.5	12
46	Selective precipitation of alkyl dihalides using a newly synthesized water-soluble bisphosphorylpillar[5]arene. *Chemical Communications*, **2016**, 52, 8075-8	5.8	34
45	A cyanide-selective colorimetric "naked-eye" and fluorescent chemosensor based on a diketopyrrolopyrrole–hydrazone conjugate and its use for the design of a molecular-scale logic device. *RSC Advances*, **2016**, 6, 96676-96685	3.7	20
44	Highly selective and sensitive detection of F^- and CN^- ions simultaneously by a reaction-based BODIPY-containing conjugated polymer. *Sensors and Actuators B: Chemical*, **2015**, 221, 63-74	8.5	31
43	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	8.5	41
42	A colorimetric probe based on diketopyrrolopyrrole and tert-butyl cyanoacetate for cyanide detection. *New Journal of Chemistry*, **2015**, 39, 7211-7218	3.6	46
41	Crystal Structure and Host-Guest Binding Ability of Three Types of Pillar[5]arenes. *Chinese Journal of Chemistry*, **2015**, 33, 346-350	4.9	7
40	2,3-Dipentyldithieno[3,2-f:2',3'-h]quinoxaline-Based Organic Dyes for Efficient Dye-Sensitized Solar Cells: Effect of π-Bridges and Electron Donors on Solar Cell Performance. *ACS Applied Materials & Interfaces*, **2015**, 7, 20418-29	9.5	54

39	Diketopyrrolopyrrole-derived Schiff base as colorimetric and fluoromertic probe for sequential detection of HSO4− and Fe3+ with “off-on-off” response. *Sensors and Actuators B: Chemical*, **2015**, 209, 536-544	8.5	35
38	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	13	64
37	A colorimetric and fluorescence “turn-off” 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	8.5	57
36	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	8.5	70
35	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	8.5	11
34	Recent Advances of AIE-Active Conjugated Polymers: Synthesis and Application. *Journal of Macromolecular Science - Pure and Applied Chemistry*, **2014**, 51, 668-681	2.2	15
33	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	8.5	37
32	Detection of HSO_4^- ion based on the hydrolysis of diketopyrrolopyrrole-derived Schiff base with chromogenic and fluorogenic dual signals. *Journal of Fluorescence*, **2014**, 24, 1347-55	2.4	22
31	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	8.5	13
30	A reversible and reusable selective chemosensor for fluoride detection using a phenolic OH-containing BODIPY dye by both colorimetric ‘naked-eye’ and fluorometric modes. *Journal of Fluorescence*, **2014**, 24, 1757-66	2.4	21
29	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	8.5	20
28	Dithienopyrrolobenzothiadiazole-based organic dyes for efficient dye-sensitized solar cells. *Journal of Materials Chemistry A*, **2014**, 2, 15365-15376	13	80
27	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	8.5	46
26	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	8.5	31
25	Application of Aggregation-Induced Emission (AIE) Systems in Sensing and Bioimaging. *Current Organic Chemistry*, **2014**, 18, 1028-1049	1.7	27
24	A new photoresponsive coumarin-derived Schiff base: Chemosensor selectively for Al3+ and Fe3+ and fluorescence “turn-on” under room light. *Sensors and Actuators B: Chemical*, **2013**, 181, 749-755	8.5	108
23	A monophosphoryl copillar[5]arene: synthesis and host–guest complexation with alkanols. *RSC Advances*, **2013**, 3, 21405	3.7	39
22	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	8.5	9

21	Sensitive detection of DNA by hyperbranched diketopyrrolopyrrole-based conjugated polyelectrolytes. *Sensors and Actuators B: Chemical*, **2013**, 182, 176-183	8.5	22
20	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	2.2	14
19	Synthesis and inclusion properties of pillar[n]arenes. *Journal of Inclusion Phenomena and Macrocyclic Chemistry*, **2013**, 77, 279-289	1.7	14
18	Influence of spatial arrangements of □spacer and acceptor of phenothiazine based dyes on the performance of dye-sensitized solar cells. *Organic Electronics*, **2013**, 14, 2662-2672	3.5	31
17	Synthesis of coumarin-containing conjugated polymer for naked-eye detection of DNA and cellular imaging. *Sensors and Actuators B: Chemical*, **2013**, 181, 234-243	8.5	12
16	Synthesis and Spectra Characteristics of Novel 3-(para-Bromophenyl)-7-(substituted vinyl) Coumarins. *Journal of Heterocyclic Chemistry*, **2013**, 50, 551-556	1.9	3
15	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	8.5	28
14	Complexation Selectivities of Pillar[5]arenes with Primary Ammonium Salts. *Chinese Journal of Chemistry*, **2013**, 31, 624-626	4.9	20
13	A novel coumarin Schiff-base as a Ni(II) ion colorimetric sensor. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2012**, 90, 40-4	4.4	65
12	Synthesis and host-guest properties of pillar[6]arenes. *Science China Chemistry*, **2012**, 55, 223-228	7.9	58
11	Cationic conjugated polyelectrolyte-based sensitive fluorescence assay for adenosinetriphosphate and alkaline phosphatase. *Sensors and Actuators B: Chemical*, **2012**, 171-172, 652-657	8.5	15
10	Conjugated Polyelectrolytes: Synthesis and Application in Biomolecule Detection. *Current Organic Chemistry*, **2012**, 16, 1468-1484	1.7	15
9	Synthesis of diketopyrrolopyrrole-containing conjugated polyelectrolytes for naked-eye detection of DNA. *Journal of Polymer Science Part A*, **2011**, 49, 3882-3889	2.5	26
8	Fluorescence enhancement of cationic diacetylene-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	2.6	5
7	Synthesis, characterization and in vitro biological activity of cobalt(II), copper(II) and zinc(II) Schiff base complexes derived from salicylaldehyde and D,L-selenomethionine. *Applied Organometallic Chemistry*, **2011**, 25, 9-15	3.1	34
6	Synthesis of novel diketopyrrolopyrrole-based luminophores showing crystallization-induced emission enhancement properties. *Dyes and Pigments*, **2011**, 90, 311-318	4.6	58
5	Syntheses, characterization and biological studies of zinc(II), copper(II) and cobalt(II) complexes with Schiff base ligand derived from 2-hydroxy-1-naphthaldehyde and selenomethionine. *Applied Organometallic Chemistry*, **2010**, 24, 741-747	3.1	32
4	Synthesis and Characterization of Novel Biodegradable Polyamides Containing □amino Acid. *Journal of Macromolecular Science - Pure and Applied Chemistry*, **2009**, 46, 312-320	2.2	11

3	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	2.2	2
2	Eine leichte und effiziente Herstellung von Pillararenen und einem Pillarchinon. *Angewandte Chemie*, **2009**, 121, 9901-9903	3.6	70
1	A facile and efficient preparation of pillararenes and a pillarquinone. *Angewandte Chemie - International Edition*, **2009**, 48, 9721-3	16.4	521