Yuning Hong

List of Publications by Citations

130 papers	18,781 citations	53 h-index	137 g-index
142 ext. papers	20,703 ext. citations	7.7 avg, IF	7.01 L-index

#	Paper	IF	Citations
130	Aggregation-induced emission. *Chemical Society Reviews*, **2011**, 40, 5361-88	58.5	4535
129	Aggregation-induced emission: phenomenon, mechanism and applications. *Chemical Communications*, **2009**, 4332-53	5.8	2999
128	Aggregation-induced emission: the whole is more brilliant than the parts. *Advanced Materials*, **2014**, 26, 5429-79	24	2216
127	A photostable AIE luminogen for specific mitochondrial imaging and tracking. *Journal of the American Chemical Society*, **2013**, 135, 62-5	16.4	619
126	Fluorescent "light-up" bioprobes based on tetraphenylethylene derivatives with aggregation-induced emission characteristics. *Chemical Communications*, **2006**, 3705-7	5.8	458
125	Full-range intracellular pH sensing by an aggregation-induced emission-active two-channel ratiometric fluorogen. *Journal of the American Chemical Society*, **2013**, 135, 4926-9	16.4	357
124	Fluorescence enhancements of benzene-cored luminophors by restricted intramolecular rotations: AIE and AIEE effects. *Chemical Communications*, **2007**, 70-2	5.8	341
123	Monitoring and inhibition of insulin fibrillation by a small organic fluorogen with aggregation-induced emission characteristics. *Journal of the American Chemical Society*, **2012**, 134, 1680-9	16.4	293
122	Protein detection and quantitation by tetraphenylethene-based fluorescent probes with aggregation-induced emission characteristics. *Journal of Physical Chemistry B*, **2007**, 111, 11817-23	3.4	290
121	Label-free fluorescent probing of G-quadruplex formation and real-time monitoring of DNA folding by a quaternized tetraphenylethene salt with aggregation-induced emission characteristics. *Chemistry - A European Journal*, **2008**, 14, 6428-37	4.8	251
120	A superamplification effect in the detection of explosives by a fluorescent hyperbranched poly(silylenephenylene) with aggregation-enhanced emission characteristics. *Polymer Chemistry*, **2010**, 1, 426-429	4.9	247
119	Aggregation-Induced Emission: Effects of Molecular Structure, Solid-State Conformation, and Morphological Packing Arrangement on Light-Emitting Behaviors of Diphenyldibenzofulvene Derivatives. *Journal of Physical Chemistry C*, **2007**, 111, 2287-2294	3.8	237
118	A ratiometric fluorescent probe based on ESIPT and AIE processes for alkaline phosphatase activity assay and visualization in living cells. *ACS Applied Materials & Interfaces*, **2014**, 6, 17245-54	9.5	234
117	Cytophilic fluorescent bioprobes for long-term cell tracking. *Advanced Materials*, **2011**, 23, 3298-302	24	228
116	Enhancement of Aggregation-Induced Emission in Dye-Encapsulating Polymeric Micelles for Bioimaging. *Advanced Functional Materials*, **2010**, 20, 1413-1423	15.6	198
115	Color-tunable, aggregation-induced emission of a butterfly-shaped molecule comprising a pyran skeleton and two cholesteryl wings. *Journal of Physical Chemistry B*, **2007**, 111, 2000-7	3.4	197
114	Hyperbranched Conjugated Polysiloles: Synthesis, Structure, Aggregation-Enhanced Emission, Multicolor Fluorescent Photopatterning, and Superamplified Detection of Explosives. *Macromolecules*, **2010**, 43, 4921-4936	5.5	196

113	Poly[(maleic anhydride)-alt-(vinyl acetate)]: A Pure Oxygenic Nonconjugated Macromolecule with Strong Light Emission and Solvatochromic Effect. *Macromolecules*, **2015**, 48, 64-71	5.5	183
112	Quantitation, visualization, and monitoring of conformational transitions of human serum albumin by a tetraphenylethene derivative with aggregation-induced emission characteristics. *Analytical Chemistry*, **2010**, 82, 7035-43	7.8	182
111	Fluorogenic Zn(II) and chromogenic Fe(II) sensors based on terpyridine-substituted tetraphenylethenes with aggregation-induced emission characteristics. *ACS Applied Materials & Interfaces*, **2011**, 3, 3411-8	9.5	171
110	An AIE-active hemicyanine fluorogen with stimuli-responsive red/blue emission: extending the pH sensing range by Switch + knob effect. *Chemical Science*, **2012**, 3, 1804	9.4	159
109	Fabrication of fluorescent nanoparticles based on AIE luminogens (AIE dots) and their applications in bioimaging. *Materials Horizons*, **2016**, 3, 283-293	14.4	156
108	Fluorescent bioprobes: structural matching in the docking processes of aggregation-induced emission fluorogens on DNA surfaces. *Chemistry - A European Journal*, **2010**, 16, 1232-45	4.8	154
107	Simple biosensor with high selectivity and sensitivity: thiol-specific biomolecular probing and intracellular imaging by AIE fluorogen on a TLC plate through a thiol-ene click mechanism. *Chemistry - A European Journal*, **2010**, 16, 8433-8	4.8	138
106	Fabrication of fluorescent silica nanoparticles hybridized with AIE luminogens and exploration of their applications as nanobiosensors in intracellular imaging. *Chemistry - A European Journal*, **2010**, 16, 4266-72	4.8	118
105	A red emitting mitochondria-targeted AIE probe as an indicator for membrane potential and mouse sperm activity. *Chemical Communications*, **2015**, 51, 13599-602	5.8	113
104	From tetraphenylethene to tetranaphthylethene: structural evolution in AIE luminogen continues. *Chemical Communications*, **2013**, 49, 2491-3	5.8	112
103	Defect-sensitive crystals based on diaminomaleonitrile-functionalized Schiff base with aggregation-enhanced emission. *Journal of Materials Chemistry C*, **2013**, 1, 7314	7.1	107
102	Real-Time, Quantitative Lighting-up Detection of Telomerase in Urines of Bladder Cancer Patients by AIEgens. *Analytical Chemistry*, **2015**, 87, 6822-7	7.8	106
101	Light-enhanced bacterial killing and wash-free imaging based on AIE fluorogen. *ACS Applied Materials & Interfaces*, **2015**, 7, 7180-8	9.5	102
100	A Luminogen with Aggregation-Induced Emission Characteristics for Wash-Free Bacterial Imaging, High-Throughput Antibiotics Screening and Bacterial Susceptibility Evaluation. *Advanced Materials*, **2015**, 27, 4931-7	24	96
99	Origin of the conformational heterogeneity of cardiolipin-bound cytochrome C. *Journal of the American Chemical Society*, **2012**, 134, 18713-23	16.4	93
98	Using tetraphenylethene and carbazole to create efficient luminophores with aggregation-induced emission, high thermal stability, and good hole-transporting property. *Journal of Materials Chemistry*, **2012**, 22, 4527		92
97	Aggregation-Induced Emission Photosensitizers: From Molecular Design to Photodynamic Therapy. *Journal of Medicinal Chemistry*, **2020**, 63, 1996-2012	8.3	91
96	Highly fluorescent and photostable probe for long-term bacterial viability assay based on aggregation-induced emission. *Advanced Healthcare Materials*, **2014**, 3, 88-96	10.1	90

95	A highly selective AIE fluorogen for lipid droplet imaging in live cells and green algae. *Journal of Materials Chemistry B*, **2014**, 2, 2013-2019	7.3	86
94	Thiol□yne Click Polymerization: Regio- and Stereoselective Synthesis of Sulfur-Rich Acetylenic Polymers with Controllable Chain Conformations and Tunable Optical Properties. *Macromolecules*, **2011**, 44, 68-79	5.5	85
93	Biotin-decorated fluorescent silica nanoparticles with aggregation-induced emission characteristics: fabrication, cytotoxicity and biological applications. *Journal of Materials Chemistry B* , **2013**, 1, 676-684	7.3	78
92	A thiol probe for measuring unfolded protein load and proteostasis in cells. *Nature Communications* , **2017**, 8, 474	17.4	69
91	Molecular packing and aggregation-induced emission of 4-dicyanomethylene-2,6-distyryl-4H-pyran derivatives. *Chemical Physics Letters*, **2006**, 428, 326-330	2.5	69
90	Mapping live cell viscosity with an aggregation-induced emission fluorogen by means of two-photon fluorescence lifetime imaging. *Chemistry - A European Journal*, **2015**, 21, 4315-20	4.8	68
89	Protease-Responsive Prodrug with Aggregation-Induced Emission Probe for Controlled Drug Delivery and Drug Release Tracking in Living Cells. *Analytical Chemistry*, **2016**, 88, 8913-9	7.8	68
88	A dual functional AEE fluorogen as a mitochondrial-specific bioprobe and an effective photosensitizer for photodynamic therapy. *Chemical Communications*, **2014**, 50, 14451-4	5.8	66
87	New AIEgens with delayed fluorescence for fluorescence imaging and fluorescence lifetime imaging of living cells. *Materials Chemistry Frontiers*, **2017**, 1, 2554-2558	7.8	66
86	A dual-mode fluorescence "turn-on" biosensor based on an aggregation-induced emission luminogen. *Journal of Materials Chemistry B*, **2014**, 2, 1717-1723	7.3	65
85	A selective glutathione probe based on AIE fluorogen and its application in enzymatic activity assay. *Scientific Reports*, **2014**, 4, 4272	4.9	63
84	Complexation-induced circular dichroism and circularly polarised luminescence of an aggregation-induced emission luminogen. *Journal of Materials Chemistry C*, **2014**, 2, 78-83	7.1	62
83	Real-Time Imaging of Cell Behaviors in Living Organisms by a Mitochondria-Targeting AIE Fluorogen. *Advanced Functional Materials*, **2016**, 26, 7132-7138	15.6	60
82	Water-soluble tetraphenylethene derivatives as fluorescent "light-up" probes for nucleic acid detection and their applications in cell imaging. *Chemistry - an Asian Journal*, **2013**, 8, 1806-12	4.5	59
81	Dual-modal MRI contrast agent with aggregation-induced emission characteristic for liver specific imaging with long circulation lifetime. *ACS Applied Materials & Interfaces*, **2014**, 6, 10783-91	9.5	58
80	Fabrication of chitosan nanoparticles with aggregation-induced emission characteristics and their applications in long-term live cell imaging. *Macromolecular Rapid Communications*, **2013**, 34, 767-71	4.8	56
79	Hyperbranched Poly(silylenephenylenes) from Polycyclotrimerization of A2-Type Diyne Monomers: Synthesis, Characterization, Structural Modeling, Thermal Stability, and Fluorescent Patterning. *Macromolecules*, **2007**, 40, 7473-7486	5.5	56
78	Detection of oligomers and fibrils of □ynuclein by AIEgen with strong fluorescence. *Chemical Communications*, **2015**, 51, 1866-9	5.8	54

77	Aggregation-induced emission-fluorophores and applications. *Methods and Applications in Fluorescence*, **2016**, 4, 022003	3.1	53
76	A Lysosome-Targeting AIEgen for Autophagy Visualization. *Advanced Healthcare Materials*, **2016**, 5, 427-31	10.1	52
75	Amphiphilic Tetraphenylethene-Based Pyridinium Salt for Selective Cell-Membrane Imaging and Room-Light-Induced Special Reactive Oxygen Species Generation. *ACS Applied Materials & Interfaces*, **2019**, 11, 10567-10577	9.5	51
74	Superior fluorescent probe for detection of cardiolipin. *Analytical Chemistry*, **2014**, 86, 1263-8	7.8	50
73	Becoming a peroxidase: cardiolipin-induced unfolding of cytochrome c. *Journal of Physical Chemistry B*, **2013**, 117, 12878-86	3.4	49
72	A strategy for dramatically enhancing the selectivity of molecules showing aggregation-induced emission towards biomacromolecules with the aid of graphene oxide. *Chemistry - A European Journal*, **2012**, 18, 7278-86	4.8	48
71	Synthesis of an AIE-active fluorogen and its application in cell imaging. *Science in China Series B: Chemistry*, **2009**, 52, 15-19		46
70	Monitoring Early-Stage Protein Aggregation by an Aggregation-Induced Emission Fluorogen. *Analytical Chemistry*, **2017**, 89, 9322-9329	7.8	44
69	Biothiol-specific fluorescent probes with aggregation-induced emission characteristics. *Science China Chemistry*, **2018**, 61, 882-891	7.9	43
68	A new turn-on chemosensor for bio-thiols based on the nanoaggregates of a tetraphenylethene-coumarin fluorophore. *Nanoscale*, **2014**, 6, 14691-6	7.7	42
67	A tetraphenylethene-based caged compound: synthesis, properties and applications. *Chemical Communications*, **2014**, 50, 8134-6	5.8	41
66	A Molecular Chameleon for Mapping Subcellular Polarity in an Unfolded Proteome Environment. *Angewandte Chemie - International Edition*, **2020**, 59, 10129-10135	16.4	40
65	Alpha-synuclein suppresses mitochondrial protease ClpP to trigger mitochondrial oxidative damage and neurotoxicity. *Acta Neuropathologica*, **2019**, 137, 939-960	14.3	39
64	Tumor-Triggered Disassembly of a Multiple-Agent-Therapy Probe for Efficient Cellular Internalization. *Angewandte Chemie - International Edition*, **2020**, 59, 20405-20410	16.4	39
63	How do substituents affect silole emission?. *Journal of Materials Chemistry C*, **2013**, 1, 5661	7.1	38
62	Fabrication of and Ultraviolet Lasing in TPE/PMMA Polymer Nanowires. *Journal of Physical Chemistry C*, **2008**, 112, 17507-17511	3.8	38
61	Measuring macromolecular crowding in cells through fluorescence anisotropy imaging with an AIE fluorogen. *Chemical Communications*, **2017**, 53, 2874-2877	5.8	37
60	Discrimination of homocysteine, cysteine and glutathione using an aggregation-induced-emission-active hemicyanine dye. *Journal of Materials Chemistry B*, **2014**, 2, 3919-3923	7.3	31

59	Synthesis and X-Ray Crystallographic Characterisation of Frustum-Shaped Ligated [Cu H (DPPE)] and [Cu H (DPPA)] Nanoclusters and Studies on Their H Evolution Reactions. *Chemistry - A European Journal*, **2018**, 24, 2070-2074	4.8	30
58	Modest Declines in Proteome Quality Impair Hematopoietic Stem Cell Self-Renewal. *Cell Reports*, **2020**, 30, 69-80.e6	10.6	29
57	A chair-type G-quadruplex structure formed by a human telomeric variant DNA in K solution. *Chemical Science*, **2019**, 10, 218-226	9.4	26
56	Detection of adenine-rich ssDNA based on thymine-substituted tetraphenylethene with aggregation-induced emission characteristics. *RSC Advances*, **2014**, 4, 33307	3.7	26
55	Manipulating localized molecular orbitals by single-atom contacts. *Physical Review Letters*, **2010**, 105, 126801	7.4	26
54	Thiol-reactive molecule with dual-emission-enhancement property for specific prestaining of cysteine containing proteins in SDS-PAGE. *ACS Applied Materials & Interfaces*, **2013**, 5, 4613-6	9.5	24
53	AIE conjugated polyelectrolytes based on tetraphenylethene for efficient fluorescence imaging and lifetime imaging of living cells. *Polymer Chemistry*, **2017**, 8, 3862-3866	4.9	23
52	Aggregation-induced emission fluorogens as biomarkers to assess the viability of microalgae in aquatic ecosystems. *Chemical Communications*, **2015**, 51, 17257-60	5.8	23
51	Luminescent and light refractive polymers: synthesis and optical and photonic properties of poly(arylene ethynylene)s carrying silole and tetraphenylethene luminogenic units. *Macromolecular Rapid Communications*, **2012**, 33, 568-72	4.8	23
50	Multifaceted effects of ATP on cardiolipin-bound cytochrome c. *Biochemistry*, **2013**, 52, 993-5	3.2	23
49	Exploration of Effective Catalysts for Diyne Polycyclotrimerization, Synthesis of an Ester-Functionalized Hyperbranched Polyphenylene, and Demonstration of Its Utility as a Molecular Container with Implication for Controlled Drug Delivery. *Macromolecules*, **2009**, 42, 7367-7378	5.5	23
48	A Maleimide-functionalized Tetraphenylethene for Measuring and Imaging Unfolded Proteins in Cells. *Chemistry - an Asian Journal*, **2019**, 14, 904-909	4.5	22
47	Inspecting Metal-Coordination-Induced Perturbation of Molecular Ligand Orbitals at a Submolecular Resolution. *Journal of Physical Chemistry Letters*, **2010**, 1, 2295-2298	6.4	21
46	Respiratory syncytial virus co-opts host mitochondrial function to favour infectious virus production. *ELife*, **2019**, 8,	8.9	19
45	The fluorescence toolbox for visualizing autophagy. *Chemical Society Reviews*, **2020**, 49, 8354-8389	58.5	17
44	Amyloid aggregation and membrane activity of the antimicrobial peptide uperin 3.5. *Peptide Science*, **2018**, 110, e24052	3	17
43	A new polymerisation route to conjugated polymers: regio- and stereoselective synthesis of linear and hyperbranched poly(arylene chlorovinylene)s by decarbonylative polyaddition of aroyl chlorides and alkynes. *Chemical Science*, **2011**, 2, 1850	9.4	17
42	Synthesis and light-emitting properties of disubstituted polyacetylenes carrying chromophoric naphthylethynylphenyl pendants. *Journal of Physical Chemistry B*, **2008**, 112, 11227-35	3.4	17

41	The Redox Activity of Protein Disulfide Isomerase Inhibits ALS Phenotypes in Cellular and Zebrafish Models. *IScience*, **2020**, 23, 101097	6.1	16
40	Red blood cell membrane-camouflaged nanoparticles loaded with AIEgen and Poly(I : C) for enhanced tumoral photodynamic-immunotherapy. *National Science Review*, **2021**, 8, nwab039	10.8	16
39	Detection of biomarkers in body fluids using bioprobes based on aggregation-induced emission fluorogens. *Materials Chemistry Frontiers*, **2020**, 4, 2548-2570	7.8	15
38	Selective supramolecular assembly of multifunctional ligands on a Cu(111) surface: metallacycles, propeller trimers and linear chains. *Chemical Communications*, **2011**, 47, 10073-5	5.8	14
37	Barbituric Acid Based Fluorogens: Synthesis, Aggregation-Induced Emission, and Protein Fibril Detection. *Molecules*, **2019**, 25,	4.8	13
36	Aggregation-Induced Emission and Biological Application of Tetraphenylethene Luminogens. *Australian Journal of Chemistry*, **2011**, 64, 1203	1.2	12
35	A Spectroscopic Marker for Structural Transitions Associated with Amyloid-Aggregation. *Biochemistry*, **2020**, 59, 1813-1822	3.2	11
34	Biochromic silole derivatives: a single dye for differentiation, quantitation and imaging of live/dead cells. *Materials Horizons*, **2018**, 5, 969-978	14.4	11
33	Optimising molecular rotors to AIE fluorophores for mitochondria uptake and retention. *Chemical Communications*, **2020**, 56, 14853-14856	5.8	10
32	Detection of Urinary Albumin Using a "Turn-on" Fluorescent Probe with Aggregation-Induced Emission Characteristics. *Chemistry - an Asian Journal*, **2021**, 16, 1245-1252	4.5	10
31	The Kinetics of Amyloid Fibrillar Aggregation of Uperin 3.5 Is Directed by the Peptide's Secondary Structure. *Biochemistry*, **2019**, 58, 3656-3668	3.2	9
30	AIE Luminogens for Visualizing Cell Structures and Functions. *ACS Symposium Series*, **2016**, 199-216	0.4	8
29	A Molecular Chameleon for Mapping Subcellular Polarity in an Unfolded Proteome Environment. *Angewandte Chemie*, **2020**, 132, 10215-10221	3.6	8
28	9-Vinylanthracene Based Fluorogens: Synthesis, Structure-Property Relationships and Applications. *Molecules*, **2017**, 22,	4.8	7
27	Vibronic state assisted resonant transport in molecules strongly anchored at an electrode. *Physical Review B*, **2011**, 83,	3.3	7
26	An Cyanostilbene Derivative for the Enhanced Detection and Imaging of Amyloid Fibril Aggregates. *ACS Chemical Neuroscience*, **2020**, 11, 4191-4202	5.7	7
25	Detection of kidney disease biomarkers based on fluorescence technology. *Materials Chemistry Frontiers*, **2021**, 5, 2124-2142	7.8	7
24	A water-soluble, AIE-active polyelectrolyte for conventional and fluorescence lifetime imaging of mouse neuroblastoma neuro-2A cells. *Journal of Polymer Science Part A*, **2018**, 56, 672-680	2.5	5

23	Tumor-Triggered Disassembly of a Multiple-Agent-Therapy Probe for Efficient Cellular Internalization. *Angewandte Chemie*, **2020**, 132, 20585-20590	3.6	5
22	Recent Applications of Aggregation Induced Emission Probes for Antimicrobial Peptide Studies. *Chemistry - an Asian Journal*, **2021**, 16, 1027-1040	4.5	5
21	Recent advances in bioanalytical methods to measure proteome stability in cells. *Analyst, The*, **2021** , 146, 2097-2109	5	5
20	Changes in the heme ligation during folding of a Geobacter sulfurreducens sensor GSU0935. *Dalton Transactions*, **2012**, 41, 8022-30	4.3	4
19	Copper ions trigger disassembly of neurokinin B functional amyloid and inhibit de novo assembly. *Journal of Structural Biology*, **2019**, 208, 107394	3.4	3
18	One-Pot Condensation of 2- and 2,5-Halo-Substituted Benzophenones for the Synthesis of Halo-Substituted 9,10-Diphenylanthracenes. *Asian Journal of Organic Chemistry*, **2012**, 1, 331-335	3	3
17	PROBING PROTEINS AND DIFFERENTIATING THEIR NATIVE AND DENATURED STATES WITH AGGREGATION-INDUCED EMISSION FLUOROGEN. *Journal of Molecular and Engineering Materials*, **2013**, 01, 1340005	1.3	3
16	Specific imaging and tracking of mitochondria in live cells by a photostable AIE luminogen. *Methods in Molecular Biology*, **2015**, 1208, 21-7	1.4	3
15	Fluorescence Imaging and Photodynamic Inactivation of Bacteria Based on Cationic Cyclometalated Iridium(III) Complexes with Aggregation-Induced Emission Properties. *Advanced Healthcare Materials*, **2021**, e2100706	10.1	3
14	Hexaphenyl-1,3-butadiene derivative: a novel "turn-on" rapid fluorescent probe for intraoperative pathological diagnosis of hepatocellular carcinoma. *Materials Chemistry Frontiers*, **2020**, 4, 2716-2722	7.8	2
13	Time-resolved and polarised microspectroscopy of thin films of bio- and nanomaterials **2016**,		2
12	Aptamer-Based Biosensing with a Cationic AIEgen. *Australian Journal of Chemistry*, **2019**, 72, 620	1.2	2
11	Fluorescent Reporters for Antimicrobial Peptides. *Australian Journal of Chemistry*, **2021**,	1.2	2
10	Carbazole-Functionalised Poly(1-phenyl-1-alkyne)s: Synthesis, Light Emission, and Fluorescent Photopatterning. *Australian Journal of Chemistry*, **2012**, 65, 1228	1.2	1
9	Construction of a Highly Sensitive Thiol-Reactive AIEgen-Peptide Conjugate for Monitoring Protein Unfolding and Aggregation in Cells. *Advanced Healthcare Materials*, **2021**, e2101300	10.1	1
8	Development and application of Diels-Alder adducts displaying AIE properties. *Cell Reports Physical Science*, **2022**, 3, 100766	6.1	0
7	Emerging fluorescence tools for the study of proteostasis in cells.. *Current Opinion in Chemical Biology*, **2022**, 67, 102116	9.7	0
6	Applications of Aggregation-Induced Emission Materials in Biotechnology **2013**, 259-274		

List of Publications

5	Measuring Cysteine Exposure in Unfolded Proteins with Tetraphenylethene Maleimide and its Analogs.. *Methods in Molecular Biology*, **2022**, 2378, 3-18	1.4
4	Utilisation of Tetraphenylethene-Derived Probes with Aggregation-Induced Emission Properties in Fluorescence Detection of Biothiols **2019**, 391-407	
3	AIE **2022**, 269-295	
2	Recent advances of aggregation-induced emission nanoparticles (AIE-NPs) in biomedical applications **2022**, 489-527	
1	Brush-like Polymer Prodrug with Aggregation-Induced Emission Features for Precise Intracellular Drug Tracking. *Biosensors*, **2022**, 12, 373	5.9