

# Fang Hu

## List of Publications by Citations

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72  
papers

4,731  
citations

36  
h-index

68  
g-index

76  
ext. papers

5,696  
ext. citations

10.5  
avg, IF

6.12  
L-index

#	Paper	IF	Citations
72	Photosensitizers with Aggregation-Induced Emission: Materials and Biomedical Applications. <i>Advanced Materials</i> , <b>2018</b> , 30, e1801350	24	388
71	Tuning the singlet-triplet energy gap: a unique approach to efficient photosensitizers with aggregation-induced emission (AIE) characteristics. <i>Chemical Science</i> , <b>2015</b> , 6, 5824-5830	9.4	308
70	A Highly Efficient and Photostable Photosensitizer with Near-Infrared Aggregation-Induced Emission for Image-Guided Photodynamic Anticancer Therapy. <i>Advanced Materials</i> , <b>2017</b> , 29, 1700548	24	280
69	Pd(II)-catalyzed alkoxylation of unactivated C(sp <sup>3</sup> ) <sub>H</sub> and C(sp <sup>2</sup> ) <sub>H</sub> bonds using a removable directing group: efficient synthesis of alkyl ethers. <i>Chemical Science</i> , <b>2013</b> , 4, 4187	9.4	253
68	Targeted bioimaging and photodynamic therapy of cancer cells with an activatable red fluorescent bioprobe. <i>Analytical Chemistry</i> , <b>2014</b> , 86, 7987-95	7.8	236
67	Pd(II)-catalyzed alkylation of unactivated C(sp <sup>3</sup> ) <sub>H</sub> bonds: efficient synthesis of optically active unnatural amino acids. <i>Chemical Science</i> , <b>2013</b> , 4, 3906	9.4	183
66	Metal-Organic-Framework-Assisted In Vivo Bacterial Metabolic Labeling and Precise Antibacterial Therapy. <i>Advanced Materials</i> , <b>2018</b> , 30, e1706831	24	172
65	Chemiluminescence-Guided Cancer Therapy Using a Chemiexcited Photosensitizer. <i>Chem</i> , <b>2017</b> , 3, 991-1002	16.2	169
64	Fluorescence turn-on chemosensor for highly selective and sensitive detection and bioimaging of Al(3+) in living cells based on ion-induced aggregation. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 1470-4	7.8	162
63	Polymerization-Enhanced Photosensitization. <i>Chem</i> , <b>2018</b> , 4, 1937-1951	16.2	137
62	Identification of bacteria in water by a fluorescent array. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 13734-9	16.4	125
61	A Light-Up Probe with Aggregation-Induced Emission for Real-Time Bio-orthogonal Tumor Labeling and Image-Guided Photodynamic Therapy. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 10182-10186	16.4	120
60	Cancer-Cell-Activated Photodynamic Therapy Assisted by Cu(II)-Based Metal-Organic Framework. <i>ACS Nano</i> , <b>2019</b> , 13, 6879-6890	16.7	110
59	Organelle-specific bioprobes based on fluorogens with aggregation-induced emission (AIE) characteristics. <i>Organic and Biomolecular Chemistry</i> , <b>2016</b> , 14, 9931-9944	3.9	96
58	High performance photosensitizers with aggregation-induced emission for image-guided photodynamic anticancer therapy. <i>Materials Horizons</i> , <b>2017</b> , 4, 1110-1114	14.4	96
57	Hybrid Nanospheres to Overcome Hypoxia and Intrinsic Oxidative Resistance for Enhanced Photodynamic Therapy. <i>ACS Nano</i> , <b>2020</b> , 14, 2183-2190	16.7	92
56	Tetraphenylethylene conjugated with a specific peptide as a fluorescence turn-on bioprobe for the highly specific detection and tracing of tumor markers in live cancer cells. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 158-64	4.8	89

55	Metal-Organic Framework as a Simple and General Inert Nanocarrier for Photosensitizers to Implement Activatable Photodynamic Therapy. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1707519	15.6	86
54	Manipulation of the aggregation and deaggregation of tetraphenylethylene and silole fluorophores by amphiphiles: emission modulation and sensing applications. <i>Langmuir</i> , <b>2015</b> , 31, 4593-604	11.4	81
53	Multicolor monitoring of cellular organelles by single wavelength excitation to visualize the mitophagy process. <i>Chemical Science</i> , <b>2018</b> , 9, 2756-2761	9.4	78
52	A highly selective fluorescence turn-on detection of hydrogen peroxide and d-glucose based on the aggregation/deaggregation of a modified tetraphenylethylene. <i>Tetrahedron Letters</i> , <b>2014</b> , 55, 1471-1474	7.2	70
51	Precise Molecular Engineering of Photosensitizers with Aggregation-Induced Emission over 800 nm for Photodynamic Therapy. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1901791	15.6	68
50	Urinary Exosomal MicroRNA Profiling in Incipient Type 2 Diabetic Kidney Disease. <i>Journal of Diabetes Research</i> , <b>2017</b> , 2017, 6978984	3.9	66
49	Highly solid-state emissive pyridinium-substituted tetraphenylethylene salts: emission color-tuning with counter anions and application for optical waveguides. <i>Small</i> , <b>2015</b> , 11, 1335-44	11	65
48	AI-Egen-coupled upconversion nanoparticles eradicate solid tumors through dual-mode ROS activation. <i>Science Advances</i> , <b>2020</b> , 6, eabb2712	14.3	58
47	An AI-Egen-Peptide Conjugate as a Phototheranostic Agent for Phagosome-Entrapped Bacteria. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 16229-16235	16.4	56
46	Emissive nanoparticles from pyridinium-substituted tetraphenylethylene salts: imaging and selective cytotoxicity towards cancer cells and by varying counter anions. <i>Chemical Science</i> , <b>2016</b> , 7, 7013-7019	9.4	56
45	Smart activatable and traceable dual-prodrug for image-guided combination photodynamic and chemo-therapy. <i>Biomaterials</i> , <b>2017</b> , 144, 53-59	15.6	55
44	ONOO <sup>-</sup> and ClO <sup>-</sup> Responsive Organic Nanoparticles for Specific in Vivo Image-Guided Photodynamic Bacterial Ablation. <i>Chemistry of Materials</i> , <b>2018</b> , 30, 3867-3873	9.6	55
43	Visualization and In Situ Ablation of Intracellular Bacterial Pathogens through Metabolic Labeling. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 9288-9292	16.4	52
42	A fluorescent turn-on low dose detection of gamma-radiation based on aggregation-induced emission. <i>Chemical Communications</i> , <b>2015</b> , 51, 3892-5	5.8	43
41	AI-Egen bioconjugates for specific detection of disease-related protein biomarkers. <i>Materials Chemistry Frontiers</i> , <b>2019</b> , 3, 12-24	7.8	42
40	Bright AI-Egen-Protein Hybrid Nanocomposite for Deep and High-Resolution In Vivo Two-Photon Brain Imaging. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1902717	15.6	42
39	A Light-Up Probe with Aggregation-Induced Emission for Real-Time Bio-orthogonal Tumor Labeling and Image-Guided Photodynamic Therapy. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 10339-10343	3.6	41
38	Detection of Bacterial Alkaline Phosphatase Activity by Enzymatic In Situ Self-Assembly of the AI-Egen-Peptide Conjugate. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 5185-5190	7.8	36

37	Combating bacterial infection by in situ self-assembly of AIEgen-peptide conjugate. <i>Biomaterials</i> , <b>2020</b> , 244, 119972	15.6	36
36	High glucose up-regulates microRNA-34a-5p to aggravate fibrosis by targeting SIRT1 in HK-2 cells. <i>Biochemical and Biophysical Research Communications</i> , <b>2018</b> , 498, 38-44	3.4	36
35	Self-Assembled Nanostructures Based on Activatable Red Fluorescent Dye for Site-Specific Protein Probing and Conformational Transition Detection. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 6374-81	7.8	34
34	Specific Light-Up Probe with Aggregation-Induced Emission for Facile Detection of Chymase. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 9111-7	7.8	32
33	A Cross-linked Conjugated Polymer Photosensitizer Enables Efficient Sunlight-Induced Photooxidation. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 3062-3066	16.4	32
32	Identification of Bacteria in Water by a Fluorescent Array. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 13954-13959	3.6	31
31	Nanosilver-enhanced AIE photosensitizer for simultaneous bioimaging and photodynamic therapy. <i>Materials Chemistry Frontiers</i> , <b>2020</b> , 4, 3074-3085	7.8	29
30	Bioorthogonal Coordination Polymer Nanoparticles with Aggregation-Induced Emission for Deep Tumor-Penetrating Radio- and Radiodynamic Therapy. <i>Advanced Materials</i> , <b>2021</b> , 33, e2007888	24	29
29	Dual-Responsive Metabolic Precursor and Light-Up AIEgen for Cancer Cell Bio-orthogonal Labeling and Precise Ablation. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 6718-6724	7.8	26
28	Organic Nanoparticles with Aggregation-Induced Emission for Bone Marrow Stromal Cell Tracking in a Rat PTI Model. <i>Small</i> , <b>2016</b> , 12, 6576-6585	11	26
27	Specific Targeting, Imaging, and Ablation of Tumor-Associated Macrophages by Theranostic Mannose-AIEgen Conjugates. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 6836-6843	7.8	25
26	Visualizing Photodynamic Therapy in Transgenic Zebrafish Using Organic Nanoparticles with Aggregation-Induced Emission. <i>Nano-Micro Letters</i> , <b>2018</b> , 10, 61	19.5	24
25	One-step in vivo metabolic labeling as a theranostic approach for overcoming drug-resistant bacterial infections. <i>Materials Horizons</i> , <b>2020</b> , 7, 1138-1143	14.4	24
24	Bioinspired Peptide for Imaging Hg Distribution in Living Cells and Zebrafish Based on Coordination-Mediated Supramolecular Assembling. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 9708-9715	7.8	22
23	Extracellular Vesicles from Albumin-Induced Tubular Epithelial Cells Promote the M1 Macrophage Phenotype by Targeting Klotho. <i>Molecular Therapy</i> , <b>2019</b> , 27, 1452-1466	11.7	22
22	Early Growth Response 1 (Egr1) Is a Transcriptional Activator of NOX4 in Oxidative Stress of Diabetic Kidney Disease. <i>Journal of Diabetes Research</i> , <b>2018</b> , 2018, 3405695	3.9	22
21	Simultaneous Increase in Brightness and Singlet Oxygen Generation of an Organic Photosensitizer by Nanocrystallization. <i>Small</i> , <b>2018</b> , 14, e1803325	11	21
20	Bacterium-Templated Polymer for Self-Selective Ablation of Multidrug-Resistant Bacteria. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2001338	15.6	20

19	Klotho down-regulates Egr-1 by inhibiting TGF- $\beta$ /Smad3 signaling in high glucose treated human mesangial cells. <i>Biochemical and Biophysical Research Communications</i> , <b>2017</b> , 487, 216-222	3.4	19
18	Metal-enhancement study of dual functional photosensitizers with aggregation-induced emission and singlet oxygen generation. <i>Nanoscale Advances</i> , <b>2020</b> , 2, 2859-2869	5.1	19
17	Biomimetic Nanocomposites Cloaked with Bioorthogonally Labeled Glioblastoma Cell Membrane for Targeted Multimodal Imaging of Brain Tumors. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2004346	15.6	18
16	Long noncoding RNA NEAT1 is involved in the protective effect of Klotho on renal tubular epithelial cells in diabetic kidney disease through the ERK1/2 signaling pathway. <i>Experimental and Molecular Medicine</i> , <b>2020</b> , 52, 266-280	12.8	17
15	An AIEgen-Peptide Conjugate as a Phototheranostic Agent for Phagosome-Entrapped Bacteria. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 16375-16381	3.6	17
14	Rapid, sensitive, and in-solution screening of peptide probes for targeted imaging of live cancer cells based on peptide recognition-induced emission. <i>Chemical Communications</i> , <b>2017</b> , 53, 11091-11094	5.8	15
13	Immobilization of AIEgens into metal-organic frameworks: Ligand design, emission behavior, and applications. <i>Journal of Polymer Science Part A</i> , <b>2017</b> , 55, 1809-1817	2.5	13
12	Visualize Embryogenesis and Cell Fate Using Fluorescent Probes with Aggregation-Induced Emission. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 3737-3744	9.5	9
11	Organic Mitoprobes based on Fluorogens with Aggregation-Induced Emission. <i>Israel Journal of Chemistry</i> , <b>2018</b> , 58, 860-873	3.4	9
10	Bio-orthogonal click reaction-enabled highly specific in situ cellularization of tissue engineering scaffolds. <i>Biomaterials</i> , <b>2020</b> , 230, 119615	15.6	8
9	Inhibiting Rab27a in renal tubular epithelial cells attenuates the inflammation of diabetic kidney disease through the miR-26a-5p/CHAC1/NF- $\kappa$ B pathway. <i>Life Sciences</i> , <b>2020</b> , 261, 118347	6.8	8
8	A Cross-linked Conjugated Polymer Photosensitizer Enables Efficient Sunlight-Induced Photooxidation. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 3094-3098	3.6	6
7	Visualization and In Situ Ablation of Intracellular Bacterial Pathogens through Metabolic Labeling. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 9374-9378	3.6	5
6	Geniposide Combined With Notoginsenoside R1 Attenuates Inflammation and Apoptosis in Atherosclerosis the AMPK/mTOR/Nrf2 Signaling Pathway. <i>Frontiers in Pharmacology</i> , <b>2021</b> , 12, 687394	5.6	4
5	Antibacterial Therapy: Metal-Organic-Framework-Assisted In Vivo Bacterial Metabolic Labeling and Precise Antibacterial Therapy (Adv. Mater. 18/2018). <i>Advanced Materials</i> , <b>2018</b> , 30, 1870124	24	3
4	Temperature-activated PRP $\beta$ ryogel for long-term osteogenesis of adipose-derived stem cells to promote bone repair. <i>Materials Chemistry Frontiers</i> , <b>2021</b> , 5, 396-405	7.8	2
3	Photodynamic Therapy: Bacterium-Templated Polymer for Self-Selective Ablation of Multidrug-Resistant Bacteria (Adv. Funct. Mater. 31/2020). <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2070206	15.6	1
2	Red-emissive AIEgens Based on Tetraphenylethylene for Biological Applications <b>2022</b> , 465-490		

1 AIE-based Systems for Imaging and Image-guided Killing of Pathogens **2022**, 297-327