

Shidang Xu

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

60
papers

4,480
citations

35
h-index

64
g-index

64
ext. papers

5,711
ext. citations

12.9
avg, IF

6.15
L-index

#	Paper	IF	Citations
60	Photosensitizers with Aggregation-Induced Emission: Materials and Biomedical Applications. <i>Advanced Materials</i> , 2018 , 30, e1801350	24	388
59	Organic Nanocrystals with Bright Red Persistent Room-Temperature Phosphorescence for Biological Applications. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 12160-12164	16.4	315
58	Tuning the singlet-triplet energy gap: a unique approach to efficient photosensitizers with aggregation-induced emission (AIE) characteristics. <i>Chemical Science</i> , 2015 , 6, 5824-5830	9.4	308
57	A Highly Efficient and Photostable Photosensitizer with Near-Infrared Aggregation-Induced Emission for Image-Guided Photodynamic Anticancer Therapy. <i>Advanced Materials</i> , 2017 , 29, 1700548	24	280
56	Bright Aggregation-Induced-Emission Dots for Targeted Synergetic NIR-II Fluorescence and NIR-I Photoacoustic Imaging of Orthotopic Brain Tumors. <i>Advanced Materials</i> , 2018 , 30, e1800766	24	246
55	A self-reporting AIE probe with a built-in singlet oxygen sensor for targeted photodynamic ablation of cancer cells. <i>Chemical Science</i> , 2016 , 7, 1862-1866	9.4	165
54	Precise Molecular Design for High-Performance Luminogens with Aggregation-Induced Emission. <i>Advanced Materials</i> , 2020 , 32, e1903530	24	161
53	Molecular Engineering of Conjugated Polymers for Biocompatible Organic Nanoparticles with Highly Efficient Photoacoustic and Photothermal Performance in Cancer Theranostics. <i>ACS Nano</i> , 2017 , 11, 10124-10134	16.7	140
52	Bioorthogonal Turn-On Probe Based on Aggregation-Induced Emission Characteristics for Cancer Cell Imaging and Ablation. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 6457-61	16.4	137
51	Polymerization-Enhanced Photosensitization. <i>Chem</i> , 2018 , 4, 1937-1951	16.2	137
50	Light-Up Probe for Targeted and Activatable Photodynamic Therapy with Real-Time In Situ Reporting of Sensitizer Activation and Therapeutic Responses. <i>Advanced Functional Materials</i> , 2015 , 25, 6586-6595	15.6	131
49	Polymerization-Enhanced Two-Photon Photosensitization for Precise Photodynamic Therapy. <i>ACS Nano</i> , 2019 , 13, 3095-3105	16.7	119
48	Rational Design of a Red-Emissive Fluorophore with AIE and ESIPT Characteristics and Its Application in Light-Up Sensing of Esterase. <i>Analytical Chemistry</i> , 2017 , 89, 3162-3168	7.8	112
47	Precise Deciphering of Brain Vasculatures and Microscopic Tumors with Dual NIR-II Fluorescence and Photoacoustic Imaging. <i>Advanced Materials</i> , 2019 , 31, e1902504	24	107
46	A Porphyrin-Based Conjugated Polymer for Highly Efficient In Vitro and In Vivo Photothermal Therapy. <i>Small</i> , 2016 , 12, 6243-6254	11	102
45	Biocompatible conjugated polymer nanoparticles for highly efficient photoacoustic imaging of orthotopic brain tumors in the second near-infrared window. <i>Materials Horizons</i> , 2017 , 4, 1151-1156	14.4	98
44	High performance photosensitizers with aggregation-induced emission for image-guided photodynamic anticancer therapy. <i>Materials Horizons</i> , 2017 , 4, 1110-1114	14.4	96

43	Organic Nanocrystals with Bright Red Persistent Room-Temperature Phosphorescence for Biological Applications. <i>Angewandte Chemie</i> , 2017 , 129, 12328-12332	3.6	94
42	High-Resolution 3D NIR-II Photoacoustic Imaging of Cerebral and Tumor Vasculatures Using Conjugated Polymer Nanoparticles as Contrast Agent. <i>Advanced Materials</i> , 2019 , 31, e1808355	24	88
41	Far Red/Near-Infrared AIE Dots for Image-Guided Photodynamic Cancer Cell Ablation. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 21193-200	9.5	83
40	A Photostable Far-Red/Near-Infrared Conjugated Polymer Photosensitizer with Aggregation-Induced Emission for Image-Guided Cancer Cell Ablation. <i>Macromolecules</i> , 2016 , 49, 5017-5025	5.5	75
39	Precise Molecular Engineering of Photosensitizers with Aggregation-Induced Emission over 800 nm for Photodynamic Therapy. <i>Advanced Functional Materials</i> , 2019 , 29, 1901791	15.6	68
38	Silole-Based Red Fluorescent Organic Dots for Bright Two-Photon Fluorescence In vitro Cell and In vivo Blood Vessel Imaging. <i>Small</i> , 2016 , 12, 782-92	11	66
37	Highly efficient photosensitizers with aggregation-induced emission characteristics obtained through precise molecular design. <i>Chemical Communications</i> , 2017 , 53, 8727-8730	5.8	65
36	Structure-Dependent cis/trans Isomerization of Tetraphenylethene Derivatives: Consequences for Aggregation-Induced Emission. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 6192-6	16.4	64
35	AIEgen-coupled upconversion nanoparticles eradicate solid tumors through dual-mode ROS activation. <i>Science Advances</i> , 2020 , 6, eabb2712	14.3	58
34	Dual-targeted activatable photosensitizers with aggregation-induced emission (AIE) characteristics for image-guided photodynamic cancer cell ablation. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 169-176	7.3	58
33	A FRET probe with AIEgen as the energy quencher: dual signal turn-on for self-validated caspase detection. <i>Chemical Science</i> , 2016 , 7, 4245-4250	9.4	57
32	Dibenzothiophene-S,S-Dioxide-Based Conjugated Polymers: Highly Efficient Photocatalysts for Hydrogen Production from Water under Visible Light. <i>Small</i> , 2018 , 14, e1801839	11	57
31	Light-responsive AIE nanoparticles with cytosolic drug release to overcome drug resistance in cancer cells. <i>Polymer Chemistry</i> , 2016 , 7, 3530-3539	4.9	55
30	Constructing Adaptive Photosensitizers via Supramolecular Modification Based on Pillararene Host-Guest Interactions. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 11779-11783	16.4	53
29	Organic Small Molecule Based Photothermal Agents with Molecular Rotors for Malignant Breast Cancer Therapy. <i>Advanced Functional Materials</i> , 2020 , 30, 1907093	15.6	45
28	All-in-One Molecular Aggregation-Induced Emission Theranostics: Fluorescence Image Guided and Mitochondria Targeted Chemo- and Photodynamic Cancer Cell Ablation. <i>Chemistry of Materials</i> , 2020 , 32, 4681-4691	9.6	44
27	Theranostic Nanodots with Aggregation-Induced Emission Characteristic for Targeted and Image-Guided Photodynamic Therapy of Hepatocellular Carcinoma. <i>Theranostics</i> , 2019 , 9, 1264-1279	12.1	43
26	A Polarity-Sensitive Ratiometric Fluorescence Probe for Monitoring Changes in Lipid Droplets and Nucleus during Ferroptosis. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 15095-15100	16.4	42

25	Bioorthogonal Turn-On Probe Based on Aggregation-Induced Emission Characteristics for Cancer Cell Imaging and Ablation. <i>Angewandte Chemie</i> , 2016 , 128, 6567-6571	3.6	33
24	A Cross-linked Conjugated Polymer Photosensitizer Enables Efficient Sunlight-Induced Photooxidation. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 3062-3066	16.4	32
23	Cancer-Cell-Activated in situ Synthesis of Mitochondria-Targeting AIE Photosensitizer for Precise Photodynamic Therapy. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 14945-14953	16.4	29
22	Nanostructural Control Enables Optimized Photoacoustic Fluorescence Magnetic Resonance Multimodal Imaging and Photothermal Therapy of Brain Tumor. <i>Advanced Functional Materials</i> , 2020 , 30, 1907077	15.6	26
21	Organic Nanoparticles with Aggregation-Induced Emission for Bone Marrow Stromal Cell Tracking in a Rat PTI Model. <i>Small</i> , 2016 , 12, 6576-6585	11	26
20	Visualizing Photodynamic Therapy in Transgenic Zebrafish Using Organic Nanoparticles with Aggregation-Induced Emission. <i>Nano-Micro Letters</i> , 2018 , 10, 61	19.5	24
19	Simultaneous Increase in Brightness and Singlet Oxygen Generation of an Organic Photosensitizer by Nanocrystallization. <i>Small</i> , 2018 , 14, e1803325	11	21
18	Revisiting Carbazole: Origin, Impurity, and Properties 2021 , 3, 1081-1087		16
17	Structure-Dependent cis/trans Isomerization of Tetraphenylethene Derivatives: Consequences for Aggregation-Induced Emission. <i>Angewandte Chemie</i> , 2016 , 128, 6300-6304	3.6	16
16	Tumor-Activated and Metal-Organic Framework Assisted Self-Assembly of Organic Photosensitizers. <i>ACS Nano</i> , 2020 , 14, 13056-13068	16.7	15
15	Calix[4]resorcinarene-based branched macromolecules for all-optical photorefractive applications. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 10684-10690	7.1	14
14	Photoacoustic Imaging: Bright Aggregation-Induced-Emission Dots for Targeted Synergetic NIR-II Fluorescence and NIR-I Photoacoustic Imaging of Orthotopic Brain Tumors (Adv. Mater. 29/2018). <i>Advanced Materials</i> , 2018 , 30, 1870214	24	11
13	Constructing Adaptive Photosensitizers via Supramolecular Modification Based on Pillararene Host-Guest Interactions. <i>Angewandte Chemie</i> , 2020 , 132, 11877-11881	3.6	9
12	Nanobody modified high-performance AIE photosensitizer nanoparticles for precise photodynamic oral cancer therapy of patient-derived tumor xenograft. <i>Biomaterials</i> , 2021 , 274, 120870	15.6	8
11	Cationization to boost both type I and type II ROS generation for photodynamic therapy. <i>Biomaterials</i> , 2021 , 280, 121255	15.6	6
10	A Cross-linked Conjugated Polymer Photosensitizer Enables Efficient Sunlight-Induced Photooxidation. <i>Angewandte Chemie</i> , 2019 , 131, 3094-3098	3.6	6
9	Machine-Learning-Assisted Accurate Prediction of Molecular Optical Properties upon Aggregation. <i>Advanced Science</i> , 2021 , 9, e2101074	13.6	4
8	An AIEgen as an Intrinsic Antibacterial Agent for Light-Up Detection and Inactivation of Intracellular Gram-Positive Bacteria. <i>Advanced Healthcare Materials</i> , 2021 , e2100885	10.1	4

7	Photodynamic Therapy: Light-Up Probe for Targeted and Activatable Photodynamic Therapy with Real-Time In Situ Reporting of Sensitizer Activation and Therapeutic Responses (Adv. Funct. Mater. 42/2015). <i>Advanced Functional Materials</i> , 2015 , 25, 6691-6691	15.6	3
6	Stereoisomerization during Molecular Packing. <i>Advanced Materials</i> , 2021 , 33, e2100986	24	3
5	Metabolizable Photosensitizer with Aggregation-Induced Emission for Photodynamic Therapy. <i>Chemistry of Materials</i> , 2021 , 33, 5974-5980	9.6	3
4	Self-Improving Photosensitizer Discovery System via Bayesian Search with First-Principle Simulations. <i>Journal of the American Chemical Society</i> , 2021 , 143, 19769-19777	16.4	2
3	Photothermal-Activatable Liposome Carrying Tissue Plasminogen Activator for Photoacoustic Image-Guided Ischemic Stroke Treatment. <i>Small Structures</i> , 2100118	8.7	2
2	Cancer-Cell-Activated in situ Synthesis of Mitochondria-Targeting AIE Photosensitizer for Precise Photodynamic Therapy. <i>Angewandte Chemie</i> , 2021 , 133, 15072-15080	3.6	2
1	A Polarity-Sensitive Ratiometric Fluorescence Probe for Monitoring Changes in Lipid Droplets and Nucleus during Ferroptosis. <i>Angewandte Chemie</i> , 2021 , 133, 15222-15227	3.6	2