Junkai Liu

List of Publications by Year
in descending order

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38 papers	2,664 citations	218677 26 h-index	330143 37 g-index
40 all docs	40 docs citations	40 times ranked	2576 citing authors

#	Article	IF	Citations
1	Why Do Simple Molecules with â€œIsolatedâ€•Phenyl Rings Emit Visible Light?. Journal of the American Chemical Society, 2017, 139, 16264-16272.	13.7	201
2	Strategies to Enhance the Photosensitization: Polymerization and the Donorâ€“Acceptor Evenâ€“Odd Effect. Angewandte Chemie - International Edition, 2018, 57, 15189-15193.	13.8	198
3	Planar and Twisted Molecular Structure Leads to the High Brightness of Semiconducting Polymer Nanoparticles for NIR-IIa Fluorescence Imaging. Journal of the American Chemical Society, 2020, 142, 15146-15156.	13.7	177
4	Constitutional Isomerization Enables Bright NIRâ€‖ AIEgen for Brainâ€‖nflammation Imaging. Advanced Functional Materials, 2020, 30, 1908125.	14.9	175
5	Two Are Better Than One: A Design Principle for Ultralongâ€Persistent Luminescence of Pure Organics. Advanced Materials, 2020, 32, e2001026.	21.0	164
6	Timeâ€Dependent Photodynamic Therapy for Multiple Targets: A Highly Efficient AIEâ€Active Photosensitizer for Selective Bacterial Elimination and Cancer Cell Ablation. Angewandte Chemie - International Edition, 2020, 59, 9470-9477.	13.8	153
7	Restriction of Access to the Dark State: A New Mechanistic Model for Heteroatomâ€Containing AIE Systems. Angewandte Chemie - International Edition, 2019, 58, 14911-14914.	13.8	130
8	Room Temperature Synthesis of Stable, Printable Cs₃Cu₂X₅ (X = I,) Tj ETQq0 0 0 rgBT /Overlock Chemistry of Materials, 2020, 32, 5515-5524.	6.7	127
9	Killing G(+) or G(â^') Bacteria? The Important Role of Molecular Charge in AIEâ€Active Photosensitizers. Small Methods, 2020, 4, 2000046.	8.6	114
10	New Wine in Old Bottles: Prolonging Roomâ€Temperature Phosphorescence of Crown Ethers by Supramolecular Interactions. Angewandte Chemie - International Edition, 2020, 59, 9293-9298.	13.8	105
11	How to Manipulate Through-Space Conjugation and Clusteroluminescence of Simple AIEgens with Isolated Phenyl Rings. Journal of the American Chemical Society, 2021, 143, 9565-9574.	13.7	97
12	Nearâ€Infrared AIE Dots with Chemiluminescence for Deepâ€Tissue Imaging. Advanced Materials, 2020, 32, e2004685.	21.0	96
13	Spontaneous and Fast Molecular Motion at Room Temperature in the Solid State. Angewandte Chemie - International Edition, 2019, 58, 4536-4540.	13.8	87
14	A Biomimetic Aggregationâ€Induced Emission Photosensitizer with Antigenâ€Presenting and Hitchhiking Function for Lipid Droplet Targeted Photodynamic Immunotherapy. Advanced Materials, 2021, 33, e2102322.	21.0	83
15	Visualization of Biogenic Amines and In Vivo Ratiometric Mapping of Intestinal pH by AIEâ€Active Polyheterocycles Synthesized by Metalâ€Free Multicomponent Polymerizations. Advanced Functional Materials, 2019, 29, 1902240.	14.9	75
16	Through-Space Interaction of Tetraphenylethylene: What, Where, and How. Journal of the American Chemical Society, 2022, 144, 7901-7910.	13.7	72
17	Drawing a clear mechanistic picture for the aggregation-induced emission process. Materials Chemistry Frontiers, 2019, 3, 1143-1150.	5.9	64
18	Evoking Photothermy by Capturing Intramolecular Bond Stretching Vibration-Induced Dark-State Energy. ACS Nano, 2020, 14, 4265-4275.	14.6	53

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19	In vivomonitoring of tissue regeneration using a ratiometric lysosomal AIE probe. Chemical Science, 2020, 11, 3152-3163.	7.4	52
20	Mechanochemistry of an Interlocked Poly[2]catenane: From Single Molecule to Bulk Gel. CCS Chemistry, 2020, 2, 513-523.	7.8	52
21	Visualization and Manipulation of Molecular Motion in the Solid State through Photoinduced Clusteroluminescence. Journal of Physical Chemistry Letters, 2019, 10, 7077-7085.	4.6	50
22	Supramolecular Polymerization with Dynamic Self-Sorting Sequence Control. Macromolecules, 2019, 52, 8814-8825.	4.8	40
23	Strategies to Enhance the Photosensitization: Polymerization and the Donorâ€“Acceptor Evenâ€“Odd Effect. Angewandte Chemie, 2018, 130, 15409-15413.	2.0	35
24	Restriction of Access to the Dark State: A New Mechanistic Model for Heteroatomâ€Containing AIE Systems. Angewandte Chemie, 2019, 131, 15053-15056.	2.0	34
25	Tailoring the Molecular Properties with Isomerism Effect of AIEgens. Advanced Functional Materials, 2019, 29, 1903834.	14.9	31
26	How do molecular interactions affect fluorescence behavior of AIEgens in solution and aggregate states?. Science China Chemistry, 2022, 65, 135-144.	8.2	31
27	Click Synthesis Enabled Sulfur Atom Strategy for Polymerizationâ€Enhanced and Twoâ€Photon Photosensitization. Angewandte Chemie - International Edition, 2022, 61, .	13.8	26
28	Timeâ€Dependent Photodynamic Therapy for Multiple Targets: A Highly Efficient AIEâ€Active Photosensitizer for Selective Bacterial Elimination and Cancer Cell Ablation. Angewandte Chemie, 2020, 132, 9557-9564.	2.0	22
29	Visualizing and monitoring interface structures and dynamics by luminogens with aggregation-induced emission. Journal of Applied Physics, 2019, 126, 050901.	2.5	19
30	A smart AIEgen-functionalized surface with reversible modulation of fluorescence and wettability. Materials Horizons, 2019, 6, 2032-2039.	12.2	19
31	A visible-light-induced â€œonâ€“offâ€•one-pot synthesis of 3-arylacetylene coumarins with AIE properties. Organic and Biomolecular Chemistry, 2020, 18, 3346-3353.	2.8	17
32	Spontaneous and Fast Molecular Motion at Room Temperature in the Solid State. Angewandte Chemie, 2019, 131, 4584-4588.	2.0	14
33	New Wine in Old Bottles: Prolonging Roomâ€Temperature Phosphorescence of Crown Ethers by Supramolecular Interactions. Angewandte Chemie, 2020, 132, 9379-9384.	2.0	14
34	Visualizing changes of molecular conformation in the solid-state by a common structural determination technique: single crystal X-ray diffraction. Materials Chemistry Frontiers, 2021, 5, 341-346.	5.9	12
35	Janus luminogens with bended intramolecular charge transfer: Toward molecular transistor and brain imaging. Matter, 2021, 4, 3286-3300.	10.0	12
36	Oxygen Quenching-Resistant Nanoaggregates with Aggregation-Induced Delayed Fluorescence for Time-Resolved Mapping of Intracellular Microviscosity. ACS Nano, 2022, 16, 6176-6184.	14.6	7

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37	A Discrete Platinum(II) Metallacycle Harvesting Triplet Excitons for Solutionâ€Processed Deepâ€Red Organic Lightâ€Emitting Diodes. Advanced Optical Materials, 2022, 10, .	7.3	5
38	Click Synthesis Enabled Sulfur Atom Strategy for Polymerizationâ€Enhanced and Twoâ€Photon Photosensitization. Angewandte Chemie, 0, , .	2.0	1