

Hao Tang

List of Publications by Year in descending order

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72
papers

1,800
citations

236925

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h-index

302126

39
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73
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73
docs citations

73
times ranked

1948
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular engineering of the fused azacycle donors in the D-A- π -A metal-free organic dyes for efficient dye-sensitized solar cells. <i>Dyes and Pigments</i> , 2022, 197, 109922.	3.7	20
2	Recent advances of NIR dyes of pyrrolopyrrole cyanine and pyrrolopyrrole aza-BODIPY: Synthesis and application. <i>Dyes and Pigments</i> , 2022, 198, 110040.	3.7	25
3	Hexnut[12]arene and its derivatives: Synthesis, host-guest properties, and application as nonporous adaptive crystals. <i>Science China Chemistry</i> , 2022, 65, 539-545.	8.2	12
4	Novel butterfly-shaped AIE-active pyrrolopyrrole aza-BODIPYs: synthesis, bioimaging and diamine/polyamine detection. <i>Journal of Materials Chemistry C</i> , 2022, 10, 5672-5683.	5.5	12
5	An assembly-induced-emission orthogonal supramolecular network with spirobifluorene, pillararene, and tetraphenylethylene units for efficient light harvesting. <i>Journal of Materials Chemistry A</i> , 2022, 10, 11332-11339.	10.3	9
6	Design, synthesis and applications of NIR-emissive scaffolds of diketopyrrolopyrrole-aza-BODIPY hybrids. <i>Chemical Communications</i> , 2022, 58, 5996-5999.	4.1	4
7	Recent advance of lipid droplets fluorescence imaging with aggregation-induced emission luminogens (AIEgens). <i>Dyes and Pigments</i> , 2022, 203, 110332.	3.7	19
8	Expanding π -bridge and introducing auxiliary acceptor for realizing panchromatic absorption of the phenothiazine dyes in dye-sensitized solar cells. <i>Solar Energy</i> , 2022, 240, 399-407.	6.1	8
9	A cucurbituril-pillararene ring-on-ring complex. <i>Chemical Communications</i> , 2021, 57, 6562-6565.	4.1	7
10	Conjugating pillararene dye in dye-sensitized solar cells. <i>Cell Reports Physical Science</i> , 2021, 2, 100326.	5.6	11
11	Influence of donor units on spiro[fluorene-9,9'-xanthene]-based dopant-free hole transporting materials for perovskite solar cells. <i>Solar Energy</i> , 2021, 216, 180-187.	6.1	18
12	Dopant-free dithieno[3,2':3,4;2,6':3,5]benzo[1,2-d]imidazole-based hole-transporting materials for efficient perovskite solar cells. <i>Dyes and Pigments</i> , 2021, 188, 109241.	3.7	8
13	Selenium-containing D π -A π -D-type dopant-free hole transport materials for perovskite solar cells. <i>Dyes and Pigments</i> , 2021, 191, 109339.	3.7	17
14	Characterization of nanoparticles combining polyamine detection with photodynamic therapy. <i>Communications Biology</i> , 2021, 4, 803.	4.4	13
15	Effect of substituents of phenyl of π -linkage in carbazole sensitizers on the photovoltaic performance of the dye-sensitized solar cells. <i>Dyes and Pigments</i> , 2021, 194, 109582.	3.7	5
16	Recent advances on reaction-based amine fluorescent probes. <i>Dyes and Pigments</i> , 2021, 194, 109634.	3.7	47
17	Development of a novel chromophore reaction-based fluorescent probe for biogenic amines detection. <i>Journal of Materials Chemistry B</i> , 2021, 9, 9383-9394.	5.8	28
18	Bio-inspired AIE pillar[5]arene probe with multiple binding sites to discriminate alkanediamines. <i>Chemical Communications</i> , 2021, 57, 13114-13117.	4.1	12

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19	A Conjugated Polymeric Supramolecular Network with Aggregation-Induced Emission Enhancement: An Efficient Light-Harvesting System with an Ultrahigh Antenna Effect. <i>Angewandte Chemie</i> , 2020, 132, 9994-9999.	2.0	22
20	A Conjugated Polymeric Supramolecular Network with Aggregation-Induced Emission Enhancement: An Efficient Light-Harvesting System with an Ultrahigh Antenna Effect. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 9908-9913.	13.8	159
21	Recent progress on reaction-based BODIPY probes for anion detection. <i>Dyes and Pigments</i> , 2020, 172, 107857.	3.7	47
22	A palladium-catalyzed oxidative aminocarbonylation reaction of alkynone <i>O</i> -methylloximes with amines and CO in PEG-400. <i>Green Chemistry</i> , 2020, 22, 465-470.	9.0	24
23	A novel and efficient chromophore reaction based on a lactam-fused aza-BODIPY for polyamine detection. <i>Analytica Chimica Acta</i> , 2020, 1135, 38-46.	5.4	18
24	Nonlinear Dependence on Na ⁺ Ions for the Binding Dynamics of Cucurbit[6]uril with the <i>trans</i> -1-Methyl-4-(4-hydroxystyryl)pyridinium Cation. <i>Journal of Physical Chemistry B</i> , 2020, 124, 10219-10225.	2.6	4
25	Palladium-catalyzed three-component cascade arylthiolation with aryl diazonium salts as <i>S</i> -arylation sources. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 4071-4078.	2.8	11
26	Design and synthesis of an AIEgen with multiple functions: Solvatochromism, chromism, lipid droplet imaging. <i>Dyes and Pigments</i> , 2020, 181, 108537.	3.7	13
27	Facile Strategy to Construct Metal-Organic Coordination Thermoplastic Starch with High Hydrophobicity, Glass-Transition Temperature, and Improved Shape Recovery. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 8655-8663.	6.7	19
28	Pyridinium-substituted tetraphenylethylene salt-based photosensitizers by varying counter anions: a highly efficient photodynamic therapy for cancer cell ablation and bacterial inactivation. <i>Journal of Materials Chemistry B</i> , 2020, 8, 5234-5244.	5.8	27
29	Frontispiz: A Conjugated Polymeric Supramolecular Network with Aggregation-Induced Emission Enhancement: An Efficient Light-Harvesting System with an Ultrahigh Antenna Effect. <i>Angewandte Chemie</i> , 2020, 132, .	2.0	0
30	Diketopyrrolopyrrole: An emerging phototherapy agent in fighting cancer. <i>Dyes and Pigments</i> , 2020, 181, 108599.	3.7	30
31	Frontispiece: A Conjugated Polymeric Supramolecular Network with Aggregation-Induced Emission Enhancement: An Efficient Light-Harvesting System with an Ultrahigh Antenna Effect. <i>Angewandte Chemie - International Edition</i> , 2020, 59, .	13.8	0
32	Pyrrlopyrrole aza-BODIPY dyes for ultrasensitive and highly selective biogenic diamine detection. <i>Sensors and Actuators B: Chemical</i> , 2020, 312, 127953.	7.8	32
33	Modulating the molecular configuration by varying linking bridge for double-anchored dye-sensitized solar cells. <i>Journal of Chemical Physics</i> , 2020, 152, 244708.	3.0	5
34	Host-Guest Complexation of Monoanionic and Dianionic Guests with a Polycationic Pillararene Host: Same Two-Step Mechanism but Striking Difference in Rate upon Inclusion. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 2021-2026.	4.6	15
35	Spectroscopy Studies of Macrocyclic Supramolecular Assembly. , 2020, , 1161-1193.		0
36	Research Progress in Cancer Treatment by Diketopyrrolopyrrole-Based Photosensitizers and Photothermal Agents. <i>Chinese Journal of Organic Chemistry</i> , 2020, 40, 4155.	1.3	3

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37	A highly efficient, colorimetric and fluorescent probe for recognition of aliphatic primary amines based on a unique cascade chromophore reaction. <i>Chemical Communications</i> , 2019, 55, 9789-9792.	4.1	33
38	Effect of structural engineering of Ñ-spacers on anti-aggregation of Dâ€“Aâ€“Íâ€“A dyes. <i>Journal of Materials Chemistry C</i> , 2019, 7, 10379-10388.	5.5	25
39	A multistimuli-responsive fluorescent switch in the solution and solid states based on spiro[fluorene-9,9â€²-xanthene]-spiropyran. <i>Journal of Materials Chemistry C</i> , 2019, 7, 9102-9111.	5.5	26
40	Metal-free organic dyes with di(1-benzothieno)[3,2-b:2â€²,3â€²-d]pyrrole as an auxiliary donor for efficient dye-sensitized solar cells: Effect of the molecular engineering on the photovoltaic performance. <i>Dyes and Pigments</i> , 2019, 171, 107676.	3.7	18
41	Twisted intramolecular charge transfer and aggregation-enhanced emission characteristics based quinoxaline luminogen: photophysical properties and a turn-on fluorescent probe for glutathione. <i>Journal of Materials Chemistry C</i> , 2019, 7, 3779-3786.	5.5	29
42	Noninnocent Role of Na ⁺ Ions in the Binding of the <i>N</i> -Phenyl-2-naphthylammonium Cation as a Ditopic Guest with Cucurbit[7]uril. <i>Journal of the American Chemical Society</i> , 2019, 141, 9645-9654.	13.7	30
43	Effect of scaffold structures on the artificial light-harvesting systems: a case study with an AIEE-active pillar[5]arene dyad. <i>Chemical Communications</i> , 2019, 55, 5910-5913.	4.1	47
44	An interface-targeting and H ₂ O ₂ -activatable probe liberating AIEgen: enabling on-site imaging and dynamic movement tracking of lipid droplets. <i>Chemical Communications</i> , 2019, 55, 4491-4494.	4.1	29
45	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. <i>Analytical Chemistry</i> , 2019, 91, 5261-5269.	6.5	71
46	Fabrication and Application of Dual-Modality Polymer Nanoparticles Based on an Aggregation-Induced Emission-Active Fluorescent Molecule and Magnetic Fe ₃ O ₄ . <i>Polymers</i> , 2019, 11, 220.	4.5	3
47	Phenothiazine dye featuring encapsulated insulated molecular wire as auxiliary donor for high photovoltage of dye-sensitized solar cells by suppression of aggregation. <i>Electrochimica Acta</i> , 2019, 302, 225-233.	5.2	29
48	Metal-free organic dyes with di(1-benzothieno)[3,2-b:2â€²,3â€²-d]pyrrole as a donor for efficient dye-sensitized solar cells: Effect of mono- and bi-anchors on photovoltaic performance. <i>Dyes and Pigments</i> , 2019, 165, 103-111.	3.7	26
49	Diketopyrrolopyrrole-based fluorescent probes for detection and bioimaging: Current progresses and perspectives. <i>Dyes and Pigments</i> , 2019, 162, 934-950.	3.7	55
50	Spectroscopy Studies of Macrocyclic Supramolecular Assembly. , 2019, , 1-34.		0
51	Tailoring Fluorescence Emission of Diketopyrrolopyrrole Dyes by an Aggregation-Induced Emission Coupled Excited-State Intramolecular Proton Transfer Process. <i>Chemistry - an Asian Journal</i> , 2018, 13, 950-954.	3.3	16
52	Fluorescent-Cavity Host: An Efficient Probe to Study Supramolecular Recognition Mechanisms. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 1047-1052.	4.6	24
53	An efficient fluorescent probe for rapid sensing of different concentration ranges of cysteine with two-stage ratiometric signals. <i>Dyes and Pigments</i> , 2018, 157, 284-289.	3.7	21
54	Fluorescent nanoaggregates of quinoxaline derivatives for highly efficient and selective sensing of trace picric acid. <i>Dyes and Pigments</i> , 2018, 155, 107-113.	3.7	41

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55	Synthesis of a BODIPY-2-(2-hydroxyphenyl)benzothiazole conjugate with solid state emission and its application as a fluorescent pH probe. <i>Analytical Methods</i> , 2018, 10, 1633-1639.	2.7	11
56	A near-infrared turn on fluorescent probe for cysteine based on organic nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2018, 277, 437-444.	7.8	16
57	An efficient probe for sensing different concentration ranges of glutathione based on AIE-active Schiff base nanoaggregates with distinct reaction mechanism. <i>Sensors and Actuators B: Chemical</i> , 2018, 273, 1085-1090.	7.8	33
58	Stronger host-guest binding does not necessarily give brighter particles: a case study on polymeric AIEE-tunable and size-tunable supraspheres. <i>Chemical Communications</i> , 2018, 54, 9274-9277.	4.1	25
59	Pillar[5]arene-Diketopyrrolopyrrole Fluorescent Copolymer: A Promising Recognition and Adsorption Material for Adiponitrile by Selective Formation of a Conjugated Polypseudorotaxane. <i>Macromolecular Rapid Communications</i> , 2017, 38, 1700161.	3.9	45
60	Tuning the Binding Dynamics of a Guest-Octacid Capsule through Noncovalent Anchoring. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 2573-2578.	4.6	13
61	A facile synthesis of novel near-infrared pyrrolopyrrole aza-BODIPY luminogens with aggregation-enhanced emission characteristics. <i>Chemical Communications</i> , 2017, 53, 8352-8355.	4.1	33
62	Organic Host-guest Complexes for Functionalization of Nanostructured Surfaces. <i>Current Organic Chemistry</i> , 2017, 21, .	1.6	1
63	TiO ₂ -Based Nanomaterials for Advanced Environmental and Energy-Related Applications. <i>Journal of Nanomaterials</i> , 2016, 2016, 1-3.	2.7	9
64	Selective precipitation of alkyl dihalides using a newly synthesized water-soluble bisphosphorylpillar[5]arene. <i>Chemical Communications</i> , 2016, 52, 8075-8078.	4.1	34
65	Cucurbit[7]uril inclusion complexation as a supramolecular strategy for color stabilization of anthocyanin model compounds. <i>Photochemical and Photobiological Sciences</i> , 2016, 15, 752-757.	2.9	27
66	Synthesis of Zinc Tetraphenylporphyrin Rigid Rods with a Built-In Dipole. <i>Journal of Physical Chemistry B</i> , 2015, 119, 7522-7530.	2.6	9
67	Synthesis and Electronic Properties of 1,2-Hemisquarimines and Their Encapsulation in a Cucurbit[7]uril Host. <i>Chemistry - A European Journal</i> , 2014, 20, 6412-6420.	3.3	4
68	Chiral recognition for the complexation dynamics of β -cyclodextrin with the enantiomers of 2-naphthyl-1-ethanol. <i>Photochemical and Photobiological Sciences</i> , 2014, 13, 358-369.	2.9	8
69	Dynamics of a Supramolecular Capsule Assembly with Pyrene. <i>Journal of the American Chemical Society</i> , 2012, 134, 5544-5547.	13.7	67
70	Reporting the Release of Caged Species by a Combination of Two Sequential Photoreactions, a Molecular Switch, and One Color of Light. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 2741-2744.	13.8	23
71	Guest Binding Dynamics with Cucurbit[7]uril in the Presence of Cations. <i>Journal of the American Chemical Society</i> , 2011, 133, 20623-20633.	13.7	179
72	Binding Conformation and Kinetics of Two Pheromone-Binding Proteins from the Gypsy Moth <i>Lymantria dispar</i> with Biological and Nonbiological Ligands. <i>Biochemistry</i> , 2010, 49, 793-801.	2.5	30