

# Benzhao He

## List of Publications by Year in descending order

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46  
papers

2,629  
citations

201674

27  
h-index

243625

44  
g-index

48  
all docs

48  
docs citations

48  
times ranked

3264  
citing authors

#	ARTICLE	IF	CITATIONS
1	One-Step Fabrication of Graphene Oxide Enhanced Magnetic Composite Gel for Highly Efficient Dye Adsorption and Catalysis. <i>ACS Sustainable Chemistry and Engineering</i> , 2015, 3, 1677-1685.	6.7	287
2	Stimuli-Responsive AIEgens. <i>Advanced Materials</i> , 2021, 33, e2008071.	21.0	178
3	Spontaneous Amino-yne Click Polymerization: A Powerful Tool toward Regio- and Stereospecific Poly( $\beta$ -aminoacrylate)s. <i>Journal of the American Chemical Society</i> , 2017, 139, 5437-5443.	13.7	177
4	Real-Time Monitoring of Hierarchical Self-Assembly and Induction of Circularly Polarized Luminescence from Achiral Luminogens. <i>ACS Nano</i> , 2019, 13, 3618-3628.	14.6	157
5	Amphibious fluorescent carbon dots: one-step green synthesis and application for light-emitting polymer nanocomposites. <i>Chemical Communications</i> , 2013, 49, 8078.	4.1	150
6	Peach gum for efficient removal of methylene blue and methyl violet dyes from aqueous solution. <i>Carbohydrate Polymers</i> , 2014, 101, 574-581.	10.2	143
7	Facile approach to surface functionalized MoS <sub>2</sub> nanosheets. <i>RSC Advances</i> , 2014, 4, 32570.	3.6	137
8	Facile One-Pot Synthesis of Iron Oxide Nanoparticles Cross-linked Magnetic Poly(vinyl alcohol) Gel Beads for Drug Delivery. <i>ACS Applied Materials &amp; Interfaces</i> , 2012, 4, 192-199.	8.0	131
9	Aggregation-Induced Emission Luminogens Married to 2D Black Phosphorus Nanosheets for Highly Efficient Multimodal Theranostics. <i>Advanced Materials</i> , 2020, 32, e2003382.	21.0	110
10	A Simple Approach to Bioconjugation at Diverse Levels: Metal-Free Click Reactions of Activated Alkynes with Native Groups of Biotargets without Prefunctionalization. <i>Research</i> , 2018, 2018, 3152870.	5.7	86
11	A general one-step approach for in situ decoration of MoS <sub>2</sub> nanosheets with inorganic nanoparticles. <i>Journal of Materials Chemistry A</i> , 2015, 3, 1042-1048.	10.3	72
12	One-Step Synthesis of Robust Amine- and Vinyl-Capped Magnetic Iron Oxide Nanoparticles for Polymer Grafting, Dye Adsorption, and Catalysis. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 8678-8685.	8.0	68
13	Multihydroxy Dendritic Upconversion Nanoparticles with Enhanced Water Dispersibility and Surface Functionality for Bioimaging. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 7719-7727.	8.0	67
14	Molecular Motions in AIEgen Crystals: Turning on Photoluminescence by Force-Induced Filament Sliding. <i>Journal of the American Chemical Society</i> , 2020, 142, 14608-14618.	13.7	62
15	Lab-in-cell based on spontaneous amino-yne click polymerization. <i>Science China Chemistry</i> , 2019, 62, 1198-1203.	8.2	55
16	Cu(I)-Catalyzed amino-yne click polymerization. <i>Polymer Chemistry</i> , 2016, 7, 7375-7382.	3.9	52
17	Direct Polymerization of Carbon Dioxide, Diynes, and Alkyl Dihalides under Mild Reaction Conditions. <i>Macromolecules</i> , 2018, 51, 42-48.	4.8	52
18	Structure-tuned and thermodynamically controlled mechanochromic self-recovery of AIE-active Au(I) complexes. <i>Journal of Materials Chemistry C</i> , 2020, 8, 894-899.	5.5	52

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19	Clusteroluminescence from Cluster Excitons in Small Heterocyclics Free of Aromatic Rings. <i>Advanced Science</i> , 2021, 8, 2004299.	11.2	49
20	Multifunctional Au <sup>I</sup> -based AIEgens: Manipulating Molecular Structures and Boosting Specific Cancer Cell Imaging and Theranostics. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 7097-7105.	13.8	49
21	Preparation of Multifunctional Hyperbranched Poly( <sup>1</sup> -aminoacrylate)s by Spontaneous Amino-yne Click Polymerization. <i>Macromolecules</i> , 2020, 53, 5248-5254.	4.8	48
22	Functionalization of Silk by AIEgens through Facile Bioconjugation: Full-Color Fluorescence and Long-Term Bioimaging. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 12424-12430.	13.8	46
23	Fast surface immobilization of native proteins through catalyst-free amino-yne click bioconjugation. <i>Chemical Science</i> , 2020, 11, 3931-3935.	7.4	42
24	Ethynylsulfone-Based Spontaneous Amino-yne Click Polymerization: A Facile Tool toward Regio- and Stereoregular Dynamic Polymers. <i>Macromolecules</i> , 2019, 52, 4526-4533.	4.8	41
25	Making Aggregation-Induced Emission Luminogen More Valuable by Gold: Enhancing Anticancer Efficacy by Suppressing Thioredoxin Reductase Activity. <i>ACS Nano</i> , 2021, 15, 9176-9185.	14.6	41
26	Catalyst-Free Multicomponent Tandem Polymerizations of Alkyne and Amines toward Nontraditional Intrinsic Luminescent Poly(aminomaleimide)s. <i>Macromolecules</i> , 2020, 53, 3756-3764.	4.8	34
27	Novel Quinoline AIE System: Visualization of Molecular Motion and Elaborate Tailoring for Biological Application**. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	31
28	Polymerizations of Activated Alkynes. <i>Progress in Polymer Science</i> , 2022, 126, 101503.	24.7	25
29	Metal-Free Polycycloaddition of Activated Azide and Alkynes toward Multifunctional Polytriazoles: Aggregation-Induced Emission, Explosive Detection, Fluorescent Patterning, and Light Refraction. <i>Macromolecular Rapid Communications</i> , 2017, 38, 1700070.	3.9	21
30	Precise and long-term tracking of mitochondria in neurons using a bioconjugatable and photostable AIE luminogen. <i>Chemical Science</i> , 2022, 13, 2965-2970.	7.4	18
31	Multifunctional Au <sup>I</sup> -based AIEgens: Manipulating Molecular Structures and Boosting Specific Cancer Cell Imaging and Theranostics. <i>Angewandte Chemie</i> , 2020, 132, 7163-7171.	2.0	17
32	Efficient and Regioselectivity-Tunable Metal-Free Polycycloaddition of Activated Azide and Alkynes. <i>Macromolecular Rapid Communications</i> , 2017, 38, 1600620.	3.9	16
33	Copper-Catalyzed Electrophilic Polyhydroamination of Internal Alkynes. <i>Macromolecules</i> , 2017, 50, 5719-5728.	4.8	16
34	Upconverting PAAm/PNIPAM/NaYF <sub>4</sub> :Yb:Er hydrogel with enhanced luminescence temperature sensitivity. <i>Journal of Luminescence</i> , 2015, 160, 254-257.	3.1	13
35	Efficient tailoring of the surface of upconversion nanoparticles via surface-initiated cationic ring-opening polymerization. <i>RSC Advances</i> , 2015, 5, 97764-97772.	3.6	11
36	One-step synthesis of water-dispersible hydroxyl-functionalized NaYF <sub>4</sub> :Yb/Er upconversion nanoparticles. <i>Materials Letters</i> , 2014, 117, 142-145.	2.6	10

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37	Recyclable Cu nanoparticle catalyzed azide-alkyne click polymerization. <i>Science China Chemistry</i> , 2019, 62, 1017-1022.	8.2	10
38	Endowing AIE with Extraordinary Potential: A New Au(I)-Containing AIEgen for Bimodal Bioimaging-Guided Multimodal Synergistic Cancer Therapy. <i>Advanced Functional Materials</i> , 2022, 32, 2108199.	14.9	9
39	Activated Internal Alkyne-Based Polymerization. <i>Chinese Journal of Chemistry</i> , 2022, 40, 2001-2013.	4.9	9
40	Functional Poly(dihalopentadiene)s: Stereoselective Synthesis, Aggregation-Enhanced Emission and Sensitive Detection of Explosives. <i>Polymers</i> , 2018, 10, 821.	4.5	8
41	A novel drug susceptibility testing AIEgen with spatiotemporal resolved progress-reporting characteristic for therapy of drug-resistant tumor. <i>Materials Today</i> , 2022, 61, 117-128.	14.2	7
42	Functionalization of Silk by AIEgens through Facile Bioconjugation: Full-Color Fluorescence and Long-Term Bioimaging. <i>Angewandte Chemie</i> , 2021, 133, 12532-12538.	2.0	6
43	Novel Quinolizine AIE System: Visualization of Molecular Motion and Elaborate Tailoring for Biological Application**. <i>Angewandte Chemie</i> , 0, , .	2.0	5
44	Castor oil-stabilized magnetic Fe <sub>3</sub> O <sub>4</sub> and luminescent ZnO nanocrystals: One-step green synthesis and application for polymer composites. <i>Advanced Powder Technology</i> , 2016, 27, 1839-1844.	4.1	4
45	New AIE-Active Copolymers with Au(I) Isocyanide Acrylate Units. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2020, 30, 1490-1496.	3.7	4
46	In-situ generation of poly(quinolizine)s via catalyst-free polyannulations of activated diyne and pyridines. <i>Science China Chemistry</i> , 2022, 65, 789-795.	8.2	2