

# Haotian Bai

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8910787/publications.pdf>

Version: 2024-02-01

51  
papers

3,270  
citations

159585

30  
h-index

175258

52  
g-index

54  
all docs

54  
docs citations

54  
times ranked

3559  
citing authors

#	ARTICLE	IF	CITATIONS
1	Supramolecular Antibacterial Materials for Combatting Antibiotic Resistance. <i>Advanced Materials</i> , 2019, 31, e1805092.	21.0	380
2	Amine-responsive cellulose-based ratiometric fluorescent materials for real-time and visual detection of shrimp and crab freshness. <i>Nature Communications</i> , 2019, 10, 795.	12.8	279
3	A Supramolecular Antibiotic Switch for Antibacterial Regulation. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 13208-13213.	13.8	256
4	Supramolecular Radical Anions Triggered by Bacteria In Situ for Selective Photothermal Therapy. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 16239-16242.	13.8	235
5	Luminescent, Oxygen-Supplying, Hemoglobin-Linked Conjugated Polymer Nanoparticles for Photodynamic Therapy. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 10660-10665.	13.8	188
6	Electrochemiluminescence for Electric-Driven Antibacterial Therapeutics. <i>Journal of the American Chemical Society</i> , 2018, 140, 2284-2291.	13.7	180
7	Supramolecular Porphyrin Photosensitizers: Controllable Disguise and Photoinduced Activation of Antibacterial Behavior. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 13950-13957.	8.0	129
8	Photothermal-Responsive Conjugated Polymer Nanoparticles for Remote Control of Gene Expression in Living Cells. <i>Advanced Materials</i> , 2018, 30, 1705418.	21.0	110
9	Water-Soluble Organic Nanoparticles with Programmable Intermolecular Charge Transfer for NIR-Photothermal Antibacterial Therapy. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 11758-11762.	13.8	91
10	AI-Egens for microbial detection and antimicrobial therapy. <i>Biomaterials</i> , 2021, 268, 120598.	11.4	86
11	Supramolecular Conjugated Polymer Materials for in Situ Pathogen Detection. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 31550-31557.	8.0	73
12	Efficient Conjugated Polymer-Methyl Viologen Electron Transfer System for Controlled Photo-Driven Hydrogen Evolution. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 10355-10359.	8.0	66
13	Supramolecular Antibiotic Switches: A Potential Strategy for Combating Drug Resistance. <i>Chemistry - A European Journal</i> , 2016, 22, 11114-11121.	3.3	61
14	Multifunctional Supramolecular Assemblies with Aggregation-Induced Emission (AIE) for Cell Line Identification, Cell Contamination Evaluation, and Cancer Cell Discrimination. <i>ACS Nano</i> , 2020, 14, 7552-7563.	14.6	59
15	One stone, three birds: one AIEgen with three colors for fast differentiation of three pathogens. <i>Chemical Science</i> , 2020, 11, 4730-4740.	7.4	59
16	Conjugated Polymer with Aggregation-Directed Intramolecular Förster Resonance Energy Transfer Enabling Efficient Discrimination and Killing of Microbial Pathogens. <i>Chemistry of Materials</i> , 2018, 30, 3244-3253.	6.7	55
17	Polypseudorotaxane Constructed from Cationic Polymer with Cucurbit[7]uril for Controlled Antibacterial Activity. <i>ACS Macro Letters</i> , 2016, 5, 1109-1113.	4.8	53
18	Sunlight-Driven Wearable and Robust Antibacterial Coatings with Water-Soluble Cellulose-Based Photosensitizers. <i>Advanced Healthcare Materials</i> , 2019, 8, e1801591.	7.6	50

#	ARTICLE	IF	CITATIONS
19	Design of functional polymer nanomaterials for antimicrobial therapy and combatting resistance. <i>Materials Chemistry Frontiers</i> , 2021, 5, 1236-1252.	5.9	49
20	Supramolecular Radical Anions Triggered by Bacteria In Situ for Selective Photothermal Therapy. <i>Angewandte Chemie</i> , 2017, 129, 16457-16460.	2.0	46
21	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
22	Mitochondria-Specific Aggregation-Induced Emission Luminogens for Selective Photodynamic Killing of Fungi and Efficacious Treatment of Keratitis. <i>ACS Nano</i> , 2021, 15, 12129-12139.	14.6	46
23	Supramolecular Conjugated Polymer Systems with Controlled Antibacterial Activity. <i>Langmuir</i> , 2017, 33, 1116-1120.	3.5	45
24	Luminescent, Oxygen-Supplying, Hemoglobin-Linked Conjugated Polymer Nanoparticles for Photodynamic Therapy. <i>Angewandte Chemie</i> , 2019, 131, 10770-10775.	2.0	42
25	Conjugated Polymer-Quantum Dot Hybrid Materials for Pathogen Discrimination and Disinfection. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 21263-21269.	8.0	41
26	Designing an Amino-Fullerene Derivative C <sub>70</sub> -(EDA) <sub>8</sub> to Fight Superbacteria. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 14597-14607.	8.0	38
27	Recent Advances in Aggregation-Induced Emission Materials and Their Biomedical and Healthcare Applications. <i>Advanced Healthcare Materials</i> , 2021, 10, e2101055.	7.6	36
28	Conjugated polymers for biomedical applications. <i>Chemical Communications</i> , 2022, 58, 7232-7244.	4.1	35
29	Supramolecular Strategy Based on Conjugated Polymers for Discrimination of Virus and Pathogens. <i>Biomacromolecules</i> , 2018, 19, 2117-2122.	5.4	34
30	A glucose-powered antimicrobial system using organic-inorganic assembled network materials. <i>Chemical Communications</i> , 2015, 51, 722-724.	4.1	33
31	Organic Semiconductor-Organism Interfaces for Augmenting Natural and Artificial Photosynthesis. <i>Accounts of Chemical Research</i> , 2022, 55, 156-170.	15.6	31
32	Antibacterial supramolecular polymers constructed via self-sorting: promoting antibacterial performance and controllable degradation. <i>Materials Chemistry Frontiers</i> , 2019, 3, 806-811.	5.9	30
33	Tuning Antibacterial Activity of Cyclodextrin-Attached Cationic Ammonium Surfactants by a Supramolecular Approach. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 31657-31666.	8.0	28
34	Conjugated Polymer Nanomaterials for Phototherapy of Cancer. <i>Chemical Research in Chinese Universities</i> , 2020, 36, 237-242.	2.6	27
35	Flexible bioelectronic device fabricated by conductive polymer-based living material. <i>Science Advances</i> , 2022, 8, .	10.3	24
36	Augmenting photosynthesis through facile AIEgen-chloroplast conjugation and efficient solar energy utilization. <i>Materials Horizons</i> , 2021, 8, 1433-1438.	12.2	21

#	ARTICLE	IF	CITATIONS
37	Aggregation-induced emission luminogens for augmented photosynthesis. <i>Exploration</i> , 2022, 2, .	11.0	19
38	Polythiophene-peptide Biohybrid Assemblies for Enhancing Photoinduced Hydrogen Evolution. <i>Advanced Electronic Materials</i> , 2017, 3, 1700161.	5.1	18
39	Supramolecular Germicide Switches through Host-Guest Interactions for Decelerating Emergence of Drug-Resistant Pathogens. <i>ChemistrySelect</i> , 2017, 2, 7940-7945.	1.5	16
40	Water-Soluble Organic Nanoparticles with Programable Intermolecular Charge Transfer for NIR-Photothermal Anti-Bacterial Therapy. <i>Angewandte Chemie</i> , 2021, 133, 11864-11868.	2.0	16
41	Highly efficient photothermal nanoparticles for the rapid eradication of bacterial biofilms. <i>Nanoscale</i> , 2021, 13, 13610-13616.	5.6	15
42	Optically-controlled supramolecular self-assembly of an antibiotic for antibacterial regulation. <i>Chemical Communications</i> , 2019, 55, 14466-14469.	4.1	14
43	Catalyst-Free Spontaneous Polymerization with 100% Atom Economy: Facile Synthesis of Photoresponsive Polysulfonates with Multifunctionalities. <i>Jacs Au</i> , 2021, 1, 344-353.	7.9	14
44	Bacteria-Mediated Intracellular Click Reaction for Drug Enrichment and Selective Apoptosis of Drug-Resistant Tumor Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 12106-12115.	8.0	14
45	Aggregation-induced emission nanoparticles with NIR and photosensitizing characteristics for resistant bacteria elimination and real-time tracking. <i>Materials Chemistry Frontiers</i> , 2021, 5, 6611-6617.	5.9	11
46	Boosting Cyanobacteria Growth by Fivefold with Aggregation-Induced Emission Luminogens: Toward the Development of a Biofactory. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 15258-15266.	6.7	9
47	Solar-Driven Producing of Value-Added Chemicals with Organic Semiconductor-Bacteria Biohybrid System. <i>Research</i> , 2022, 2022, 9834093.	5.7	8
48	A biocompatible dual-AIEgen system without spectral overlap for quantitation of microbial viability and monitoring of biofilm formation. <i>Materials Horizons</i> , 2021, 8, 1816-1824.	12.2	7
49	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
50	Conjugated Polymers for Gene Delivery and Photothermal Gene Expression. <i>ChemPlusChem</i> , 2022, 87, e202200073.	2.8	6
51	Selective Fluorescence Imaging of Cancer Cells Based on ROS-Triggered Intracellular Cross-Linking of Artificial Enzyme. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	3