Chengfen Xing

List of Publications by Year
in descending order

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56 papers	1,570 citations	361413 20 h-index	315739 38 g-index
58 all docs	58 docs citations	58 times ranked	2049 citing authors

#	Article	IF	Citations
1	Conjugated Polymer/Porphyrin Complexes for Efficient Energy Transfer and Improving Light-Activated Antibacterial Activity. Journal of the American Chemical Society, 2009, 131, 13117-13124.	13.7	310
2	Conjugated Polymer Nanoparticles for Drug Delivery and Imaging. ACS Applied Materials & Interfaces, 2010, 2, 2429-2435.	8.0	230
3	Design Guidelines For Conjugated Polymers With Lightâ€Activated Anticancer Activity. Advanced Functional Materials, 2011, 21, 4058-4067.	14.9	101
4	Synergistic Photodynamic and Photothermal Antibacterial Therapy Based on a Conjugated Polymer Nanoparticle-Doped Hydrogel. ACS Applied Bio Materials, 2020, 3, 4436-4443.	4.6	61
5	Biomimetic Networks with Enhanced Photodynamic Antimicrobial Activity from Conjugated Polythiophene/Polyisocyanide Hybrid Hydrogels. Angewandte Chemie - International Edition, 2020, 59, 2720-2724.	13.8	55
6	Redox-responsive polymer prodrug/AgNPs hybrid nanoparticles for drug delivery. Chinese Chemical Letters, 2018, 29, 301-304.	9.0	54
7	Fluorescence Turn-On Detection of Nitric Oxide in Aqueous Solution Using Cationic Conjugated Polyelectrolytes. Macromolecular Rapid Communications, 2007, 28, 241-245.	3.9	50
8	Grapheneâ€Oxideâ€Conjugated Polymer Hybrid Materials for Calmodulin Sensing by Using FRET Strategy. Advanced Functional Materials, 2015, 25, 4412-4418.	14.9	48
9	Strategies To Increase the Thermal Stability of Truly Biomimetic Hydrogels: Combining Hydrophobicity and Directed Hydrogen Bonding. Macromolecules, 2017, 50, 9058-9065.	4.8	36
10	Binding to Amyloidâ€Î²2 Protein by Photothermal Bloodâ€Brain Barrierâ€Penetrating Nanoparticles for Inhibition and Disaggregation of Fibrillation. Advanced Functional Materials, 2021, 31, 2102953.	14.9	36
11	Waterâ€Soluble Conjugated Polymers for the Detection and Inhibition of Protein Aggregation. Advanced Functional Materials, 2016, 26, 9026-9031.	14.9	34
12	Conjugated Polymers for Light-Activated Antifungal Activity. Small, 2012, 8, 525-529.	10.0	29
13	Conjugated Polythiophene for Rapid, Simple, and High-Throughput Screening of Antimicrobial Photosensitizers. ACS Applied Materials & Interfaces, 2015, 7, 14569-14572.	8.0	29
14	Nucleobase-Functionalized Conjugated Polymer for Detection of Copper(II). ACS Applied Materials & Interfaces, 2014, 6, 9601-9607.	8.0	27
15	Remoteâ€Controlling Potassium Channels in Living Cells through Photothermal Inactivation of Calmodulin. Advanced Healthcare Materials, 2018, 7, e1800674.	7.6	24
16	CO₂-Responsive Nano-Objects with Assembly-Related Aggregation-Induced Emission and Tunable Morphologies. ACS Applied Materials & Interfaces, 2020, 12, 1348-1358.	8.0	24
17	Graphene Oxide Composite for Selective Recognition, Capturing, Photothermal Killing of Bacteria over Mammalian Cells. Polymers, 2020, 12, 1116.	4.5	24
18	Remote Manipulation of ROS-Sensitive Calcium Channel Using Near-Infrared-Responsive Conjugated Oligomer Nanoparticles for Enhanced Tumor Therapy In Vivo. Nano Letters, 2022, 22, 5427-5433.	9.1	23

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19	Photothermal Modulation of Depressionâ€Related Ion Channel Function through Conjugated Polymer Nanoparticles. Advanced Functional Materials, 2021, 31, 2010757.	14.9	22
20	Property Regulation of Conjugated Oligoelectrolytes with Polyisocyanide to Achieve Efficient Photodynamic Antibacterial Biomimetic Hydrogels. ACS Applied Materials & Interfaces, 2021, 13, 27955-27962.	8.0	22
21	S,N-Heteroacene-Based Conjugated Microporous Polymers as Fluorescent Sensors and Effective Antimicrobial Carriers. ACS Applied Bio Materials, 2018, 1, 473-479.	4.6	21
22	Controlling the gelation temperature of biomimetic polyisocyanides. Chinese Chemical Letters, 2018, 29, 281-284.	9.0	19
23	Conjugated Polymer-Based Hybrid Materials for Turn-On Detection of CO₂ in Plant Photosynthesis. Analytical Chemistry, 2016, 88, 6593-6597.	6.5	18
24	Photothermal Conjugated Polymer Nanoparticles for Suppressing Breast Tumor Growth by Regulating TRPA1 Ion Channels. Advanced Healthcare Materials, 2022, 11, e2102506.	7.6	18
25	Synthesis of Zwitterionic Waterâ€Soluble Oligofluorenes with Good Lightâ€Harvesting Ability. Advanced Functional Materials, 2010, 20, 2175-2180.	14.9	17
26	Inhibition and disaggregation of amyloid Î² protein fibrils through conjugated polymerâ€“core thermoresponsive micelles. Journal of Materials Chemistry B, 2020, 8, 10126-10135.	5.8	16
27	Antifungal Activity: Conjugated Polymers for Lightâ€Activated Antifungal Activity (Small 4/2012). Small, 2012, 8, 524-524.	10.0	15
28	TMEM16A-inhibitor loaded pH-responsive nanoparticles: A novel dual-targeting antitumor therapy for lung adenocarcinoma. Biochemical Pharmacology, 2020, 178, 114062.	4.4	15
29	Oligo (p-Phenylene Vinylene)/Polyisocyanopeptide Biomimetic Composite Hydrogel-Based Three-Dimensional Cell Culture System for Anticancer and Antibacterial Therapeutics. ACS Applied Bio Materials, 2019, 2, 2520-2527.	4.6	14
30	Conjugated Polyelectrolyte-Based New Strategy for in Situ Detection of Carbon Dioxide. ACS Applied Materials & Interfaces, 2017, 9, 20313-20317.	8.0	13
31	Ca²⁺-Controlled Assembly for Visualized Detection of Conformation Changes of Calmodulin. ACS Applied Materials & Interfaces, 2014, 6, 14790-14794.	8.0	12
32	Enhancing the Light Coverage of Photosynthetic Bacteria to Augment Photosynthesis by Conjugated Polymer Nanoparticles. ACS Applied Bio Materials, 2020, 3, 3423-3429.	4.6	12
33	Enhancing hydrogen production by photobiocatalysis through Rhodopseudomonas palustris coupled with conjugated polymers. Journal of Materials Chemistry A, 2021, 9, 19788-19795.	10.3	12
34	Conjugated Polythiophene/Porphyrin Complex for Rapid and Simple Detection of Bacteria in Drinking Water. Macromolecular Chemistry and Physics, 2015, 216, 1603-1608.	2.2	11
35	Conjugated Polymerâ€Based Nanoparticles for Cancer Cellâ€Targeted and Imageâ€Guided Photodynamic Therapy. Macromolecular Chemistry and Physics, 2018, 219, 1700440.	2.2	11
36	Regulation of Ca²⁺ for Cancer Cell Apoptosis through Photothermal Conjugated Nanoparticles. ACS Applied Bio Materials, 2022, 5, 2834-2842.	4.6	11

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37	Near-Infrared Light Regulation of Tumor PI3K/Akt Signaling Pathway for Enhancing Cancer Cell Apoptosis through Conjugated Polymer Nanoparticles. ACS Applied Bio Materials, 2020, 3, 2428-2437.	4.6	10
38	Carbon Dioxideâ€Controlled Assembly of Waterâ€Soluble Conjugated Polymers Catalyzed by Carbonic Anhydrase. Macromolecular Rapid Communications, 2017, 38, 1600726.	3.9	9
39	Construction of Highly Ordered Glycoâ€Inside Nanoâ€Assemblies through RAFT Dispersion Polymerization of Galactoseâ€Decorated Monomer. Angewandte Chemie - International Edition, 2021, 60, 11098-11103.	13.8	9
40	Near-Infrared Light-Responsive Nanoinhibitors for Tumor Suppression through Targeting and Regulating Anion Channels. ACS Applied Materials & Interfaces, 2022, 14, 31715-31726.	8.0	8
41	Conjugated Polymer/Graphene Oxide Complexes for Photothermal Activation of DNA Unzipping and Binding to Protein. ACS Applied Bio Materials, 2018, 1, 146-152.	4.6	7
42	Fluorescence Probe Based on Graphene Quantum Dots for Selective, Sensitive and Visualized Detection of Formaldehyde in Food. Sustainability, 2021, 13, 5273.	3.2	7
43	Conjugated Polymers for Combatting Antimicrobial Resistance. Chinese Journal of Chemistry, 2022, 40, 759-772.	4.9	7
44	CO2/NIR light dual-controlled nanoparticles for dsDNA unzipping. Chinese Chemical Letters, 2020, 31, 281-284.	9.0	6
45	A Multipleâ€Stimulusâ€Responsive Biomimetic Assembly Based on a Polyisocyanopeptide and Conjugated Polymer. Chemistry - an Asian Journal, 2017, 12, 2962-2966.	3.3	6
46	Hydrocinnamic Acid Inhibits the Currents of WT and SQT3 Syndrome-Related Mutants of Kir2.1 Channel. Journal of Membrane Biology, 2017, 250, 425-432.	2.1	5
47	Mild-Temperature Photothermal Effect Enhanced by Functional Conjugated Polymer Nanoparticles through Enzyme-Mediated Starvation. ACS Applied Bio Materials, 2022, 5, 2536-2542.	4.6	5
48	Carbon dioxide-controlled assembly based on conjugated polymer and boron nitride. Chinese Chemical Letters, 2020, 31, 261-264.	9.0	4
49	Biomimetic Networks with Enhanced Photodynamic Antimicrobial Activity from Conjugated Polythiophene/Polyisocyanide Hybrid Hydrogels. Angewandte Chemie, 2020, 132, 2742-2746.	2.0	4
50	Strategies for Inhibition and Disaggregation of Amyloidâ€Î²2 Fibrillation. Chinese Journal of Chemistry, 0, , .	4.9	3
51	Polymer Nanoparticles Overcome Drug Resistance by a Dual-Targeting Apoptotic Signaling Pathway in Breast Cancer. ACS Applied Materials & Interfaces, 2022, 14, 23117-23128.	8.0	3
52	Side Chain Functional Conjugated Porous Polymers for NIR Controlled Carbon Dioxide Adsorption and Release. Chemical Research in Chinese Universities, 2022, 38, 1467-1474.	2.6	2
53	Construction of Highly Ordered Glycoâ€Inside Nanoâ€Assemblies through RAFT Dispersion Polymerization of Galactoseâ€Decorated Monomer. Angewandte Chemie, 2021, 133, 11198-11203.	2.0	1
54	Conformation Changes: Grapheneâ€Oxideâ€Conjugated Polymer Hybrid Materials for Calmodulin Sensing by Using FRET Strategy (Adv. Funct. Mater. 28/2015). Advanced Functional Materials, 2015, 25, 4560-4560.	14.9	0

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55	Innentitelbild: Construction of Highly Ordered Glycoâ€inside Nanoâ€Assemblies through RAFT Dispersion Polymerization of Galactoseâ€Decorated Monomer (Angew. Chem. 20/2021). Angewandte Chemie, 2021, 133, 11098-11098.	2.0	0
56	The preparation of biomineralized PIC/HA hybrid composites with strainâ€stiffening and the effect on MC3T3â€E1 cells. Macromolecular Rapid Communications, 2022, , 2200135.	3.9	0