

Chen Xie

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

80
papers

5,693
citations

38
h-index

75
g-index

90
ext. papers

6,635
ext. citations

9.4
avg, IF

6.36
L-index

#	Paper	IF	Citations
80	Molecular afterglow imaging with bright, biodegradable polymer nanoparticles. <i>Nature Biotechnology</i> , 2017 , 35, 1102-1110	44.5	571
79	Dual-Peak Absorbing Semiconducting Copolymer Nanoparticles for First and Second Near-Infrared Window Photothermal Therapy: A Comparative Study. <i>Advanced Materials</i> , 2018 , 30, e1705980	24	371
78	Semiconducting Polymer Nanobioconjugates for Targeted Photothermal Activation of Neurons. <i>Journal of the American Chemical Society</i> , 2016 , 138, 9049-52	16.4	323
77	Broadband Absorbing Semiconducting Polymer Nanoparticles for Photoacoustic Imaging in Second Near-Infrared Window. <i>Nano Letters</i> , 2017 , 17, 4964-4969	11.5	289
76	Intraparticle Energy Level Alignment of Semiconducting Polymer Nanoparticles to Amplify Chemiluminescence for Ultrasensitive In Vivo Imaging of Reactive Oxygen Species. <i>ACS Nano</i> , 2016 , 10, 6400-9	16.7	228
75	Metabolizable Semiconducting Polymer Nanoparticles for Second Near-Infrared Photoacoustic Imaging. <i>Advanced Materials</i> , 2019 , 31, e1808166	24	226
74	Macrotheranostic Probe with Disease-Activated Near-Infrared Fluorescence, Photoacoustic, and Photothermal Signals for Imaging-Guided Therapy. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 7804-7808	16.4	223
73	Temperature-Correlated Afterglow of a Semiconducting Polymer Nanococktail for Imaging-Guided Photothermal Therapy. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 3938-3942	16.4	190
72	Semiconducting Polymer Nanoenzymes with Photothermic Activity for Enhanced Cancer Therapy. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 3995-3998	16.4	188
71	Photoactivatable Organic Semiconducting Pro-nanoenzymes. <i>Journal of the American Chemical Society</i> , 2019 , 141, 4073-4079	16.4	179
70	Semiconducting Photothermal Nanoagonist for Remote-Controlled Specific Cancer Therapy. <i>Nano Letters</i> , 2018 , 18, 1498-1505	11.5	138
69	Self-quenched semiconducting polymer nanoparticles for amplified in vivo photoacoustic imaging. <i>Biomaterials</i> , 2017 , 119, 1-8	15.6	136
68	Renal-clearable Molecular Semiconductor for Second Near-Infrared Fluorescence Imaging of Kidney Dysfunction. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 15120-15127	16.4	136
67	Organic Photodynamic Nanoinhibitor for Synergistic Cancer Therapy. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 8161-8165	16.4	133
66	A generic approach towards afterglow luminescent nanoparticles for ultrasensitive in vivo imaging. <i>Nature Communications</i> , 2019 , 10, 2064	17.4	127
65	Nanoparticle Regrowth Enhances Photoacoustic Signals of Semiconducting Macromolecular Probe for In Vivo Imaging. <i>Advanced Materials</i> , 2017 , 29, 1703693	24	126
64	Self-Assembled Semiconducting Polymer Nanoparticles for Ultrasensitive Near-Infrared Afterglow Imaging of Metastatic Tumors. <i>Advanced Materials</i> , 2018 , 30, e1801331	24	116

63	Unimolecular Chemo-fluoro-luminescent Reporter for Crosstalk-Free Duplex Imaging of Hepatotoxicity. <i>Journal of the American Chemical Society</i> , 2019 , 141, 10581-10584	16.4	114
62	Surface engineering of semiconducting polymer nanoparticles for amplified photoacoustic imaging. <i>Biomaterials</i> , 2017 , 127, 97-106	15.6	105
61	Tracking Cancer Metastasis In Vivo by Using an Iridium-Based Hypoxia-Activated Optical Oxygen Nanosensor. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 8094-9	16.4	103
60	Self-Assembly of Semiconducting Polymer Amphiphiles for In Vivo Photoacoustic Imaging. <i>Advanced Functional Materials</i> , 2017 , 27, 1605397	15.6	102
59	Assembly of Fluorinated Quaternary Stereogenic Centers through Catalytic Enantioselective Detrifluoroacetylative Aldol Reactions. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 6019-23	16.4	91
58	Bioreducible heparin-based nanogel drug delivery system. <i>Biomaterials</i> , 2015 , 39, 260-8	15.6	83
57	Macrotheranostic Probe with Disease-Activated Near-Infrared Fluorescence, Photoacoustic, and Photothermal Signals for Imaging-Guided Therapy. <i>Angewandte Chemie</i> , 2018 , 130, 7930-7934	3.6	60
56	Recent Progress in the in situ Detrifluoroacetylative Generation of Fluoro Enolates and Their Reactions with Electrophiles. <i>European Journal of Organic Chemistry</i> , 2015 , 2015, 6401-6412	3.2	57
55	Organic Nanoprobe Cocktails for Multilocal and Multicolor Fluorescence Imaging of Reactive Oxygen Species. <i>Advanced Functional Materials</i> , 2017 , 27, 1700493	15.6	55
54	An Organic Afterglow Protheranostic Nanoassembly. <i>Advanced Materials</i> , 2019 , 31, e1902672	24	55
53	Generalized access to fluorinated β -keto amino compounds through asymmetric additions of difluoroenolates to CF ₃ -sulfinylimine. <i>Organic and Biomolecular Chemistry</i> , 2014 , 12, 7836-43	3.9	54
52	Detrifluoroacetylative in Situ Generation of Free 3-Fluoroindolin-2-one-Derived Tertiary Enolates: Design, Synthesis, and Assessment of Reactivity toward Asymmetric Mannich Reactions. <i>Organic Letters</i> , 2016 , 18, 3270-3	6.2	51
51	Delivery of doxorubicin in vitro and in vivo using bio-reductive cellulose nanogels. <i>Biomaterials Science</i> , 2014 , 2, 220-232	7.4	51
50	Asymmetric synthesis of quaternary β -fluoro- β -keto-amines via detrifluoroacetylative Mannich reactions. <i>Chemical Communications</i> , 2015 , 51, 9149-52	5.8	50
49	Temperature-Correlated Afterglow of a Semiconducting Polymer Nanococktail for Imaging-Guided Photothermal Therapy. <i>Angewandte Chemie</i> , 2018 , 130, 4002-4006	3.6	49
48	N-Iodosuccinimide-Promoted Cascade Trifunctionalization of Alkynoates: Access to 1,1-Diiodoalkenes. <i>Organic Letters</i> , 2016 , 18, 712-5	6.2	47
47	LDA-promoted asymmetric synthesis of β -trifluoromethyl- β -amino indanone derivatives with virtually complete stereochemical outcome. <i>RSC Advances</i> , 2014 , 4, 4763-4768	3.7	47
46	High performance one-for-all phototheranostics: NIR-II fluorescence imaging guided mitochondria-targeting phototherapy with a single-dose injection and 808nm laser irradiation. <i>Biomaterials</i> , 2020 , 231, 119671	15.6	46

45	Semiconducting Polymer Nanoenzymes with Photothermic Activity for Enhanced Cancer Therapy. <i>Angewandte Chemie</i> , 2018 , 130, 4059-4062	3.6	45
44	N-tert-Butylsulfinyl-3,3,3-trifluoroacetalimine: Versatile Reagent for Asymmetric Synthesis of Trifluoromethyl-Containing Amines and Amino Acids of Pharmaceutical Importance. <i>European Journal of Organic Chemistry</i> , 2016 , 2016, 5917-5932	3.2	45
43	Oxidative Difunctionalization of Alkynoates through Alkylation and Migration Decarboxylative Arylation. <i>Organic Letters</i> , 2015 , 17, 5524-7	6.2	44
42	Synthesis of trifluoromethyl-containing vicinal diamines by asymmetric decarboxylative mannich addition reactions. <i>Journal of Organic Chemistry</i> , 2015 , 80, 3187-94	4.2	36
41	Concise Asymmetric Synthesis of α -Trifluoromethylated β -Diamino Esters through Addition Reactions of Glycine Esters to CF ₃ -Sulfinylimine. <i>European Journal of Organic Chemistry</i> , 2014 , 2014, 1443-1451 ³⁴	3.2	34
40	Platinum-Incorporating Poly(N-vinylpyrrolidone)-poly(aspartic acid) Pseudoblock Copolymer Nanoparticles for Drug Delivery. <i>Biomacromolecules</i> , 2015 , 16, 2059-71	6.9	32
39	Supramolecular Amphiphilic Polymer-Based Micelles with Seven-Armed Polyoxazoline Coating for Drug Delivery. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 5768-5777	9.5	31
38	Development of Semiconducting Polymer Nanoparticles for Photoacoustic Imaging. <i>Macromolecular Rapid Communications</i> , 2017 , 38, 1700125	4.8	31
37	Drug-loaded pseudo-block copolymer micelles with a multi-armed star polymer as the micellar exterior. <i>Nanoscale</i> , 2015 , 7, 12572-80	7.7	27
36	Grafted semiconducting polymer amphiphiles for multimodal optical imaging and combination phototherapy. <i>Chemical Science</i> , 2020 , 11, 10553-10570	9.4	26
35	Asymmetric synthesis of (1R,2S)-1-amino-2-vinylcyclopropanecarboxylic acid by sequential SN ₂ dialkylation of (R)-N-(benzyl)proline-derived glycine Schiff base Ni(II) complex. <i>RSC Advances</i> , 2015 , 5, 1051-1058	3.7	25
34	Iodine-Rich Semiconducting Polymer Nanoparticles for CT/Fluorescence Dual-Modal Imaging-Guided Enhanced Photodynamic Therapy. <i>Small</i> , 2020 , 16, e1905641	11	25
33	Renal-clearable Molecular Semiconductor for Second Near-Infrared Fluorescence Imaging of Kidney Dysfunction. <i>Angewandte Chemie</i> , 2019 , 131, 15264-15271	3.6	24
32	Comparative studies of salinomycin-loaded nanoparticles prepared by nanoprecipitation and single emulsion method. <i>Nanoscale Research Letters</i> , 2014 , 9, 351	5	24
31	New Chiral Reagent for Installation of Pharmacophoric (S)- or (R)-2-(Alkoxyphosphono)-1-amino-2,2-difluoroethyl Groups. <i>Chemistry - A European Journal</i> , 2016 , 22, 7036-40	4.8	23
30	Asymmetric synthesis of α -quaternary β -fluoro- β -amino-indolin-2-ones via Mannich addition reactions; facets of reactivity, structural generality and stereochemical outcome. <i>RSC Advances</i> , 2017 , 7, 5679-5683	3.7	22
29	Assembly of Fluorinated Quaternary Stereogenic Centers through Catalytic Enantioselective Detrifluoroacetylative Aldol Reactions. <i>Angewandte Chemie</i> , 2015 , 127, 6117-6121	3.6	22
28	Palladium-Catalyzed C3 Acylation of Benzofurans and Benzothiophenes with Aromatic Aldehydes by Cross-Dehydrogenative Coupling Reactions. <i>Asian Journal of Organic Chemistry</i> , 2013 , 2, 1044-1047	3	20

27	Organic Nanotheranostics for Photoacoustic Imaging-Guided Phototherapy. <i>Current Medicinal Chemistry</i> , 2019 , 26, 1389-1405	4.3	20
26	Development and Evaluation of Different Methods for Preparation of Fluorine-Containing (R)- and (S)-N-tert-Butanesulfinylaldimines. <i>ChemistrySelect</i> , 2016 , 1, 4435-4439	1.8	19
25	A tumor-penetrating recombinant protein anti-EGFR-iRGD enhance efficacy of paclitaxel in 3D multicellular spheroids and gastric cancer in vivo. <i>European Journal of Pharmaceutical Sciences</i> , 2015 , 77, 60-72	5.1	18
24	Activatable Semiconducting Oligomer Amphiphile for Near-Infrared Luminescence Imaging of Biothiols.. <i>ACS Applied Bio Materials</i> , 2018 , 1, 1147-1153	4.1	18
23	Organic Photodynamic Nanoinhibitor for Synergistic Cancer Therapy. <i>Angewandte Chemie</i> , 2019 , 131, 8245-8249	3.6	16
22	Semiconducting Photosensitizer-Incorporated Copolymers as Near-Infrared Afterglow Nanoagents for Tumor Imaging. <i>Advanced Healthcare Materials</i> , 2018 , 7, e1800329	10.1	16
21	Synthesis of PEGylated Semiconducting Polymer Amphiphiles for Molecular Photoacoustic Imaging and Guided Therapy. <i>Chemistry - A European Journal</i> , 2018 , 24, 12121-12130	4.8	14
20	Single nanoparticles as versatile phototheranostics for tri-modal imaging-guided photothermal therapy. <i>Biomaterials Science</i> , 2019 , 7, 3609-3613	7.4	14
19	Tracking Cancer Metastasis In Vivo by Using an Iridium-Based Hypoxia-Activated Optical Oxygen Nanosensor. <i>Angewandte Chemie</i> , 2015 , 127, 8212-8217	3.6	14
18	Synthesis of drug-crosslinked polymer nanoparticles. <i>Polymer Chemistry</i> , 2015 , 6, 1703-1713	4.9	12
17	Generalized Approach to Asymmetric Synthesis of β -Substituted α -Amino Acids Bearing CHF ₂ , CBrF ₂ , and CClF ₂ Groups. <i>Asian Journal of Organic Chemistry</i> , 2015 , 4, 1020-1024	3	9
16	Cinchona Alkaloid-catalyzed Asymmetric Direct Mannich Reaction of Malononitrile to Imine for Synthesis of β -Amino Malononitrile. <i>Chinese Journal of Chemistry</i> , 2012 , 30, 2333-2337	4.9	9
15	Enhanced and Prolonged Antitumor Effect of Salinomycin-Loaded Gelatinase-Responsive Nanoparticles via Targeted Drug Delivery and Inhibition of Cervical Cancer Stem Cells. <i>International Journal of Nanomedicine</i> , 2020 , 15, 1283-1295	7.3	8
14	Enhancing Penetration Ability of Semiconducting Polymer Nanoparticles for Sonodynamic Therapy of Large Solid Tumor.. <i>Advanced Science</i> , 2022 , e2104125	13.6	6
13	Recent Advances in Crosslinked Nanogel for Multimodal Imaging and Cancer Therapy. <i>Polymers</i> , 2020 , 12,	4.5	6
12	Combined delivery of salinomycin and docetaxel by dual-targeting gelatinase nanoparticles effectively inhibits cervical cancer cells and cancer stem cells. <i>Drug Delivery</i> , 2021 , 28, 510-519	7	6
11	Rational design of high performance nanotheranostics for NIR-II fluorescence/magnetic resonance imaging guided enhanced phototherapy. <i>Biomaterials Science</i> , 2021 , 9, 3499-3506	7.4	5
10	Asymmetric synthesis of amino-benzothiazol derivatives by additions of 2-lithiated benzothiazoles to (S)-N-t-butylsulfinyl-ketimines. <i>RSC Advances</i> , 2015 , 5, 3491-3497	3.7	4

9	Advanced technologies for single-cell in situ protein profiling. <i>Science China Chemistry</i> , 2022 , 65, 48	7.9	4
8	Tandem 1,5-migration/Michael reactions to prepare adducts of pyrazolone derivatives: protecting group-directed rearrangement. <i>RSC Advances</i> , 2012 , 2, 8949	3.7	3
7	Semiconducting polymer nanoparticles for NIR-II fluorescence imaging-guided photothermal/thermodynamic combination therapy.. <i>Biomaterials Science</i> , 2022 ,	7.4	3
6	Photoacoustic Imaging: Self-Assembly of Semiconducting Polymer Amphiphiles for In Vivo Photoacoustic Imaging (Adv. Funct. Mater. 8/2017). <i>Advanced Functional Materials</i> , 2017 , 27,	15.6	2
5	A General Strategy to Encapsulate Semiconducting Polymers within PEGylated Mesoporous Silica Nanoparticles for Optical Imaging and Drug Delivery. <i>Particle and Particle Systems Characterization</i> , 2020 , 37, 1900483	3.1	2
4	Using Omniscan-Loaded Nanoparticles as a Tumor-Targeted MRI Contrast Agent in Oral Squamous Cell Carcinoma by Gelatinase-Stimuli Strategy. <i>Nanoscale Research Letters</i> , 2019 , 14, 395	5	2
3	Organic Fluorophores for 1064nm Excited NIR-II Fluorescence Imaging. <i>Frontiers in Chemistry</i> , 2021 , 9, 769655	5	2
2	Dual lock-and-key-controlled ceria nanotubes-based nanozymes for tumor-specific photothermal therapy. <i>Dyes and Pigments</i> , 2021 , 191, 109350	4.6	2
1	Conjugated/Semiconducting Polymer Nanoparticles for Photoacoustic Imaging 2018 , 111-133		