Chen Xie

List of Publications by Year
in descending order

87 papers	7,506 citations	70961 41 h-index	54797 84 g-index
90 all docs	90 docs citations	90 times ranked	6501 citing authors

#	Article	IF	Citations
1	Molecular afterglow imaging with bright, biodegradable polymer nanoparticles. Nature Biotechnology, 2017, 35, 1102-1110.	9.4	753
2	Dualâ€Peak Absorbing Semiconducting Copolymer Nanoparticles for First and Second Nearâ€Infrared Window Photothermal Therapy: A Comparative Study. Advanced Materials, 2018, 30, e1705980.	11.1	489
3	Semiconducting Polymer Nanobioconjugates for Targeted Photothermal Activation of Neurons. Journal of the American Chemical Society, 2016, 138, 9049-9052.	6.6	404
4	Broadband Absorbing Semiconducting Polymer Nanoparticles for Photoacoustic Imaging in Second Near-Infrared Window. Nano Letters, 2017, 17, 4964-4969.	4.5	356
5	Macrotheranostic Probe with Diseaseâ€Activated Nearâ€Infrared Fluorescence, Photoacoustic, and Photothermal Signals for Imagingâ€Guided Therapy. Angewandte Chemie - International Edition, 2018, 57, 7804-7808.	7.2	296
6	Intraparticle Energy Level Alignment of Semiconducting Polymer Nanoparticles to Amplify Chemiluminescence for Ultrasensitive In Vivo Imaging of Reactive Oxygen Species. ACS Nano, 2016, 10, 6400-6409.	7.3	288
7	Metabolizable Semiconducting Polymer Nanoparticles for Second Nearâ€Infrared Photoacoustic Imaging. Advanced Materials, 2019, 31, e1808166.	11.1	288
8	Semiconducting Polymer Nanoenzymes with Photothermic Activity for Enhanced Cancer Therapy. Angewandte Chemie - International Edition, 2018, 57, 3995-3998.	7.2	256
9	Temperatureâ€Correlated Afterglow of a Semiconducting Polymer Nanococktail for Imagingâ€Guided Photothermal Therapy. Angewandte Chemie - International Edition, 2018, 57, 3938-3942.	7.2	251
10	Photoactivatable Organic Semiconducting Pro-nanoenzymes. Journal of the American Chemical Society, 2019, 141, 4073-4079.	6.6	231
11	A generic approach towards afterglow luminescent nanoparticles for ultrasensitive in vivo imaging. Nature Communications, 2019, 10, 2064.	5.8	210
12	Renalâ€clearable Molecular Semiconductor for Second Nearâ€Infrared Fluorescence Imaging of Kidney Dysfunction. Angewandte Chemie - International Edition, 2019, 58, 15120-15127.	7.2	202
13	Semiconducting Photothermal Nanoagonist for Remote-Controlled Specific Cancer Therapy. Nano Letters, 2018, 18, 1498-1505.	4.5	183
14	Organic Photodynamic Nanoinhibitor for Synergistic Cancer Therapy. Angewandte Chemie - International Edition, 2019, 58, 8161-8165.	7.2	183
15	Unimolecular Chemo-fluoro-luminescent Reporter for Crosstalk-Free Duplex Imaging of Hepatotoxicity. Journal of the American Chemical Society, 2019, 141, 10581-10584.	6.6	175
16	Selfâ€Assembled Semiconducting Polymer Nanoparticles for Ultrasensitive Nearâ€Infrared Afterglow Imaging of Metastatic Tumors. Advanced Materials, 2018, 30, e1801331.	11.1	158
17	Self-quenched semiconducting polymer nanoparticles for amplified inÂvivo photoacoustic imaging. Biomaterials, 2017, 119, 1-8.	5.7	151
18	Nanoparticle Regrowth Enhances Photoacoustic Signals of Semiconducting Macromolecular Probe for In Vivo Imaging. Advanced Materials, 2017, 29, 1703693.	11.1	145

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19	Tracking Cancer Metastasis Inâ€…Vivo by Using an Iridiumâ€Based Hypoxiaâ€Activated Optical Oxygen Nanosensor. Angewandte Chemie - International Edition, 2015, 54, 8094-8099.	7.2	121
20	Surface engineering of semiconducting polymer nanoparticles for amplified photoacoustic imaging. Biomaterials, 2017, 127, 97-106.	5.7	119
21	Selfâ€Assembly of Semiconducting Polymer Amphiphiles for In Vivo Photoacoustic Imaging. Advanced Functional Materials, 2017, 27, 1605397.	7.8	118
22	Assembly of Fluorinated Quaternary Stereogenic Centers through Catalytic Enantioselective Detrifluoroacetylative Aldol Reactions. Angewandte Chemie - International Edition, 2015, 54, 6019-6023.	7.2	97
23	An Organic Afterglow Protheranostic Nanoassembly. Advanced Materials, 2019, 31, e1902672.	11.1	97
24	Bioreducible heparin-based nanogel drug delivery system. Biomaterials, 2015, 39, 260-268.	5.7	93
25	High performance one-for-all phototheranostics: NIR-II fluorescence imaging guided mitochondria-targeting phototherapy with a single-dose injection and 808Anm laser irradiation. Biomaterials, 2020, 231, 119671.	5.7	87
26	Organic Nanoprobe Cocktails for Multilocal and Multicolor Fluorescence Imaging of Reactive Oxygen Species. Advanced Functional Materials, 2017, 27, 1700493.	7.8	82
27	Macrotheranostic Probe with Diseaseâ€Activated Nearâ€Infrared Fluorescence, Photoacoustic, and Photothermal Signals for Imagingâ€Guided Therapy. Angewandte Chemie, 2018, 130, 7930-7934.	1.6	79
28	Enhancing Penetration Ability of Semiconducting Polymer Nanoparticles for Sonodynamic Therapy of Large Solid Tumor. Advanced Science, 2022, 9, e2104125.	5.6	68
29	Recent Progress in the in situ DetrifluoroÂacetylative Generation of Fluoro Enolates and Their Reactions with Electrophiles. European Journal of Organic Chemistry, 2015, 2015, 6401-6412.	1.2	66
30	Temperatureâ€Correlated Afterglow of a Semiconducting Polymer Nanococktail for Imagingâ€Guided Photothermal Therapy. Angewandte Chemie, 2018, 130, 4002-4006.	1.6	66
31	Delivery of doxorubicin in vitro and in vivo using bio-reductive cellulose nanogels. Biomaterials Science, 2014, 2, 220-232.	2.6	59
32	N-Iodosuccinimide-Promoted Cascade Trifunctionalization of Alkynoates: Access to 1,1-Diiodoalkenes. Organic Letters, 2016, 18, 712-715.	2.4	59
33	Generalized access to fluorinated Î²-keto amino compounds through asymmetric additions of Î±,Î±-difluoroenolates to CF3-sulfinylimine. Organic and Biomolecular Chemistry, 2014, 12, 7836-7843.	1.5	58
34	Detrifluoroacetylative in Situ Generation of Free 3-Fluoroindolin-2-one-Derived Tertiary Enolates: Design, Synthesis, and Assessment of Reactivity toward Asymmetric Mannich Reactions. Organic Letters, 2016, 18, 3270-3273.	2.4	55
35	Grafted semiconducting polymer amphiphiles for multimodal optical imaging and combination phototherapy. Chemical Science, 2020, 11, 10553-10570.	3.7	55
36	Asymmetric synthesis of quaternary Î±-fluoro-Î²-keto-amines via detrifluoroacetylative Mannich reactions. Chemical Communications, 2015, 51, 9149-9152.	2.2	53

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37	Oxidative Difunctionalization of Alkynoates through Alkylation and Migration Decarboxylative Arylation. Organic Letters, 2015, 17, 5524-5527.	2.4	52
38	Nâ€tertâ€Butylsulfinylâ€3,3,3â€trifluoroacetaldimine: Versatile Reagent for Asymmetric Synthesis of Trifluoromethylâ€Containing Amines and Amino Acids of Pharmaceutical Importance. European Journal of Organic Chemistry, 2016, 2016, 5917-5932.	1.2	52
39	Semiconducting Polymer Nanoenzymes with Photothermic Activity for Enhanced Cancer Therapy. Angewandte Chemie, 2018, 130, 4059-4062.	1.6	49
40	LDA-promoted asymmetric synthesis of Î²-trifluoromethyl-Î²-amino indanone derivatives with virtually complete stereochemical outcome. RSC Advances, 2014, 4, 4763-4768.	1.7	48
41	Iodineâ€Rich Semiconducting Polymer Nanoparticles for CT/Fluorescence Dualâ€Modal Imagingâ€Guided Enhanced Photodynamic Therapy. Small, 2020, 16, e1905641.	5.2	46
42	Synthesis of Trifluoromethyl-Containing Vicinal Diamines by Asymmetric Decarboxylative Mannich Addition Reactions. Journal of Organic Chemistry, 2015, 80, 3187-3194.	1.7	39
43	Supramolecular Amphiphilic Polymer-Based Micelles with Seven-Armed Polyoxazoline Coating for Drug Delivery. ACS Applied Materials & Interfaces, 2017, 9, 5768-5777.	4.0	38
44	Development of Semiconducting Polymer Nanoparticles for Photoacoustic Imaging. Macromolecular Rapid Communications, 2017, 38, 1700125.	2.0	36
45	Concise Asymmetric Synthesis of Î²â€Trifluoromethylated Î±,Î²â€Diamino Esters through Addition Reactions of Glycine Esters to CF₃â€Sulfinylimine. European Journal of Organic Chemistry, 2014, 2014, 1445-1451.	1.2	35
46	Platinum-Incorporating Poly(N-vinylpyrrolidone)-poly(aspartic acid) Pseudoblock Copolymer Nanoparticles for Drug Delivery. Biomacromolecules, 2015, 16, 2059-2071.	2.6	35
47	Drug-loaded pseudo-block copolymer micelles with a multi-armed star polymer as the micellar exterior. Nanoscale, 2015, 7, 12572-12580.	2.8	33
48	Renalâ€clearable Molecular Semiconductor for Second Nearâ€Infrared Fluorescence Imaging of Kidney Dysfunction. Angewandte Chemie, 2019, 131, 15264-15271.	1.6	32
49	Semiconducting Photosensitizerâ€Incorporated Copolymers as Nearâ€Infrared Afterglow Nanoagents for Tumor Imaging. Advanced Healthcare Materials, 2018, 7, e1800329.	3.9	31
50	Single nanoparticles as versatile phototheranostics for tri-modal imaging-guided photothermal therapy. Biomaterials Science, 2019, 7, 3609-3613.	2.6	28
51	Asymmetric synthesis of (1R,2S)-1-amino-2-vinylcyclopropanecarboxylic acid by sequential SN2â€“SN2â€² dialkylation of (R)-N-(benzyl)proline-derived glycine Schiff base Ni(ii) complex. RSC Advances, 2015, 5, 1051-1058.	1.7	27
52	Comparative studies of salinomycin-loaded nanoparticles prepared by nanoprecipitation and single emulsion method. Nanoscale Research Letters, 2014, 9, 351.	3.1	26
53	Enhanced and Prolonged Antitumor Effect of Salinomycin-Loaded Gelatinase-Responsive Nanoparticles via Targeted Drug Delivery and Inhibition of Cervical Cancer Stem Cells . International Journal of Nanomedicine, 2020, Volume 15, 1283-1295.	3.3	25
54	New Chiral Reagent for Installation of Pharmacophoric (S)â€or (R)â€2â€(Alkoxyphosphono)â€1â€aminoâ€2,2â€difluoroethyl Groups. Chemistry - A European Journal, 2016, 22, 7036-7040.	1.7	24

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55	Organic Nanotheranostics for Photoacoustic Imaging-Guided Phototherapy. Current Medicinal Chemistry, 2019, 26, 1389-1405.	1.2	24
56	Semiconducting polymer nanoparticles for NIR-II fluorescence imaging-guided photothermal/thermodynamic combination therapy. Biomaterials Science, 2022, 10, 846-853.	2.6	24
57	A tumor-penetrating recombinant protein anti-EGFR-iRGD enhance efficacy of paclitaxel in 3D multicellular spheroids and gastric cancer in vivo. European Journal of Pharmaceutical Sciences, 2015, 77, 60-72.	1.9	23
58	Development and Evaluation of Different Methods for Preparation of Fluorineâ€Containing (R)â€• and (S)â€Nâ€tertâ€Butanesulfinylâ€“aldimines. ChemistrySelect, 2016, 1, 4435-4439.	0.7	23
59	Asymmetric synthesis of Câ€“F quaternary Î±-fluoro-Î²-amino-indolin-2-ones via Mannich addition reactions; facets of reactivity, structural generality and stereochemical outcome. RSC Advances, 2017, 7, 5679-5683.	1.7	23
60	Activatable Semiconducting Oligomer Amphiphile for Near-Infrared Luminescence Imaging of Biothiols. ACS Applied Bio Materials, 2018, 1, 1147-1153.	2.3	23
61	Combined delivery of salinomycin and docetaxel by dual-targeting gelatinase nanoparticles effectively inhibits cervical cancer cells and cancer stem cells. Drug Delivery, 2021, 28, 510-519.	2.5	22
62	Palladiumâ€Catalyzed C3 Acylation of Benzofurans and Benzothiophenes with Aromatic Aldehydes by Crossâ€Dehydrogenative Coupling Reactions. Asian Journal of Organic Chemistry, 2013, 2, 1044-1047.	1.3	21
63	Organic Photodynamic Nanoinhibitor for Synergistic Cancer Therapy. Angewandte Chemie, 2019, 131, 8245-8249.	1.6	20
64	Tracking Cancer Metastasis Inâ€…Vivo by Using an Iridiumâ€Based Hypoxiaâ€Activated Optical Oxygen Nanosensor. Angewandte Chemie, 2015, 127, 8212-8217.	1.6	17
65	Synthesis of PEGylated Semiconducting Polymer Amphiphiles for Molecular Photoacoustic Imaging and Guided Therapy. Chemistry - A European Journal, 2018, 24, 12121-12130.	1.7	17
66	Semiconducting Polymer Nanoparticles for Photoactivatable Cancer Immunotherapy and Imaging of Immunoactivation. Biomacromolecules, 2022, 23, 1490-1504.	2.6	16
67	Recent Advances in Crosslinked Nanogel for Multimodal Imaging and Cancer Therapy. Polymers, 2020, 12, 1902.	2.0	14
68	Rational design of high performance nanotheranostics for NIR-II fluorescence/magnetic resonance imaging guided enhanced phototherapy. Biomaterials Science, 2021, 9, 3499-3506.	2.6	14
69	â€œDual lock-and-keyâ€•controlled ceria nanotubes-based nanozymes for tumor-specific photothermal therapy. Dyes and Pigments, 2021, 191, 109350.	2.0	13
70	Synthesis of drug-crosslinked polymer nanoparticles. Polymer Chemistry, 2015, 6, 1703-1713.	1.9	12
71	Cinchona Alkaloidâ€catalyzed Asymmetric Direct Mannich Reaction of Malononitrile to Imine for Synthesis of Î²â€Amino Malononitrile. Chinese Journal of Chemistry, 2012, 30, 2333-2337.	2.6	11
72	Generalized Approach to Asymmetric Synthesis of Î²â€Substituted Î²â€Amino Acids Bearing CHF₂, CBrF₂, and CClF₂ Groups. Asian Journal of Organic Chemistry, 2015, 4, 1020-1024.	1.3	10

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73	Advanced technologies for single-cell in situ protein profiling. Science China Chemistry, 2022, 65, 48-67.	4.2	8
74	Asymmetric synthesis of amino-benzothiazol derivatives by additions of 2-lithiated benzothiazoles to (S)-N-t-butylsulfinyl-ketimines. RSC Advances, 2015, 5, 3491-3497.	1.7	6
75	A General Strategy to Encapsulate Semiconducting Polymers within PEGylated Mesoporous Silica Nanoparticles for Optical Imaging and Drug Delivery. Particle and Particle Systems Characterization, 2020, 37, 1900483.	1.2	6
76	Organic Fluorophores for 1064Ânm Excited NIR-II Fluorescence Imaging. Frontiers in Chemistry, 2021, 9, 769655.	1.8	6
77	Organic nanomaterials for near-infrared light-triggered photothermal/thermodynamic combination therapy. Dyes and Pigments, 2022, 205, 110499.	2.0	5
78	Tandem 1,5-migration/Michael reactions to prepare adducts of pyrazolone derivatives: protecting group-directed rearrangement. RSC Advances, 2012, 2, 8949.	1.7	4
79	Using Omniscan-Loaded Nanoparticles as a Tumor-Targeted MRI Contrast Agent in Oral Squamous Cell Carcinoma by Gelatinase-Stimuli Strategy. Nanoscale Research Letters, 2019, 14, 395.	3.1	4
80	A cerium oxide-based nanomedicine for pH-triggered chemodynamic/chemo combination therapy. Journal of Materials Chemistry B, 2022, 10, 1403-1409.	2.9	3
81	Tumor microenvironment activated nanoenzyme-based agents for enhanced MRI-guided photothermal therapy in the NIR-II window. Chemical Communications, 2022, 58, 2742-2745.	2.2	3
82	An AIPH-decorated semiconducting nanoagonist for NIR-II light-triggered photothermic/thermodynamic combinational therapy. Chemical Communications, 2022, 58, 7400-7403.	2.2	3
83	Photoacoustic Imaging: Selfâ€Assembly of Semiconducting Polymer Amphiphiles for In Vivo Photoacoustic Imaging (Adv. Funct. Mater. 8/2017). Advanced Functional Materials, 2017, 27, .	7.8	2
84	Frontispiz: Tracking Cancer Metastasis Inâ€...Vivo by Using an Iridiumâ€Based Hypoxiaâ€Activated Optical Oxygen Nanosensor. Angewandte Chemie, 2015, 127, .	1.6	0
85	Frontispiece: Tracking Cancer Metastasis Inâ€...Vivo by Using an Iridiumâ€Based Hypoxiaâ€Activated Optical Oxygen Nanosensor. Angewandte Chemie - International Edition, 2015, 54, .	7.2	0
86	Fluorescence Imaging: Organic Nanoprobe Cocktails for Multilocal and Multicolor Fluorescence Imaging of Reactive Oxygen Species (Adv. Funct. Mater. 23/2017). Advanced Functional Materials, 2017, 27, .	7.8	0
87	Frontispiece: Synthesis of PEGylated Semiconducting Polymer Amphiphiles for Molecular Photoacoustic Imaging and Guided Therapy. Chemistry - A European Journal, 2018, 24, .	1.7	0