Jingchao Li

List of Publications by Year
in descending order

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118 papers	12,647 citations	30070 54 h-index	24258 110 g-index
120 all docs	120 docs citations	120 times ranked	10657 citing authors

#	Article	IF	Citations
1	Extracellular matrix-degrading STING nanoagonists for mild NIR-II photothermal-augmented chemodynamic-immunotherapy. Journal of Nanobiotechnology, 2022, 20, 23.	9.1	32
2	AgNPs/nGOx/Apra nanocomposites for synergistic antimicrobial therapy and scarless skin recovery. Journal of Materials Chemistry B, 2022, 10, 1393-1402.	5.8	5
3	Bioenzyme-based nanomedicines for enhanced cancer therapy. Nano Convergence, 2022, 9, 7.	12.1	19
4	Antibody-conjugated gold nanoparticles as nanotransducers for second near-infrared photo-stimulation of neurons in rats. Nano Convergence, 2022, 9, 13.	12.1	15
5	Radioactive organic semiconducting polymer nanoparticles for multimodal cancer theranostics. Journal of Colloid and Interface Science, 2022, 619, 219-228.	9.4	12
6	Activatable Cancer Sonoâ€Immunotherapy using Semiconducting Polymer Nanobodies. Advanced Materials, 2022, 34, e2203246.	21.0	75
7	Recent Advances in Engineering Nanomedicines for Second Near-Infrared Photothermal-Combinational Immunotherapy. Nanomaterials, 2022, 12, 1656.	4.1	9
8	Sulfur Defect-Engineered Biodegradable Cobalt Sulfide Quantum Dot-Driven Photothermal and Chemodynamic Anticancer Therapy. ACS Applied Materials & Interfaces, 2022, 14, 25183-25196.	8.0	25
9	Tumor extracellular matrix modulating strategies for enhanced antitumor therapy of nanomedicines. Materials Today Bio, 2022, 16, 100364.	5.5	12
10	Electromagnetic Nanomedicines for Combinational Cancer Immunotherapy. Angewandte Chemie, 2021, 133, 12792-12815.	2.0	14
11	Electromagnetic Nanomedicines for Combinational Cancer Immunotherapy. Angewandte Chemie - International Edition, 2021, 60, 12682-12705.	13.8	151
12	Activatable Polymer Nanoenzymes for Photodynamic Immunometabolic Cancer Therapy. Advanced Materials, 2021, 33, e2007247.	21.0	194
13	Second Nearâ€Infrared Photothermal Semiconducting Polymer Nanoadjuvant for Enhanced Cancer Immunotherapy. Advanced Materials, 2021, 33, e2003458.	21.0	197
14	Molecular Chemiluminescent Probes with a Very Long Nearâ€Infrared Emission Wavelength for inâ€...Vivo Imaging. Angewandte Chemie, 2021, 133, 4045-4049.	2.0	23
15	Molecular Chemiluminescent Probes with a Very Long Nearâ€Infrared Emission Wavelength for inâ€...Vivo Imaging. Angewandte Chemie - International Edition, 2021, 60, 3999-4003.	13.8	113
16	Oxygen-producing proenzyme hydrogels for photodynamic-mediated metastasis-inhibiting combinational therapy. Journal of Materials Chemistry B, 2021, 9, 5255-5263.	5.8	11
17	A Magnetic Sensor Based on Poly(Î³-Glutamic Acid)-Functionalized Iron Oxide Nanoparticles for Cr3+ Detection.. Current Nanoscience, 2021, 17, .	1.2	0
18	Near-infrared photoactivated nanomedicines for photothermal synergistic cancer therapy. Nano Today, 2021, 37, 101073.	11.9	182

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19	Polymer-based hydrogels with local drug release for cancer immunotherapy. Biomedicine and Pharmacotherapy, 2021, 137, 111333.	5.6	35
20	Construction of nanomaterials as contrast agents or probes for glioma imaging. Journal of Nanobiotechnology, 2021, 19, 125.	9.1	22
21	Semiconducting polymer nano-PROTACs for activatable photo-immunometabolic cancer therapy. Nature Communications, 2021, 12, 2934.	12.8	231
22	Near-Infrared Photoactivatable Immunomodulatory Nanoparticles for Combinational Immunotherapy of Cancer. Frontiers in Chemistry, 2021, 9, 701427.	3.6	7
23	3D Electrospun Nanofiber-Based Scaffolds: From Preparations and Properties to Tissue Regeneration Applications. Stem Cells International, 2021, 2021, 1-22.	2.5	24
24	Enzyme-Loaded pH-Sensitive Photothermal Hydrogels for Mild-temperature-mediated Combinational Cancer Therapy. Frontiers in Chemistry, 2021, 9, 736468.	3.6	10
25	Chargeâ€Reversal Polymer Nanoâ€modulators for Photodynamic Immunotherapy of Cancer. Angewandte Chemie, 2021, 133, 19504-19512.	2.0	11
26	Chargeâ€Reversal Polymer Nanoâ€modulators for Photodynamic Immunotherapy of Cancer. Angewandte Chemie - International Edition, 2021, 60, 19355-19363.	13.8	90
27	Nanosonosensitizers With Ultrasound-Induced Reactive Oxygen Species Generation for Cancer Sonodynamic Immunotherapy. Frontiers in Bioengineering and Biotechnology, 2021, 9, 761218.	4.1	16
28	¹³¹I-Labeled gold nanoframeworks for radiotherapy-combined second near-infrared photothermal therapy of cancer. Journal of Materials Chemistry B, 2021, 9, 9316-9323.	5.8	7
29	Liposome-based nanocomplexes with pH-sensitive second near-infrared photothermal property for combinational immunotherapy. Applied Materials Today, 2021, 25, 101258.	4.3	8
30	A Renalâ€Clearable Macromolecular Reporter for Nearâ€Infrared Fluorescence Imaging of Bladder Cancer. Angewandte Chemie - International Edition, 2020, 59, 4415-4420.	13.8	77
31	Responsive Exosome Nanoâ€bioconjugates for Synergistic Cancer Therapy. Angewandte Chemie - International Edition, 2020, 59, 2018-2022.	13.8	226
32	Semiconducting Polymer Nanoreporters for Nearâ€Infrared Chemiluminescence Imaging of Immunoactivation. Advanced Materials, 2020, 32, e1906314.	21.0	118
33	Responsive Exosome Nanoâ€bioconjugates for Synergistic Cancer Therapy. Angewandte Chemie, 2020, 132, 2034-2038.	2.0	27
34	Near-infrared photoresponsive drug delivery nanosystems for cancer photo-chemotherapy. Journal of Nanobiotechnology, 2020, 18, 108.	9.1	86
35	Polyethylenimine-Assisted Generation of Optical Nanoprobes for Biosensing Applications. ACS Applied Bio Materials, 2020, 3, 3935-3955.	4.6	16
36	Photothermal Fenton Nanocatalysts for Synergetic Cancer Therapy in the Second Near-Infrared Window. ACS Applied Materials & Interfaces, 2020, 12, 30145-30154.	8.0	72

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37	Near-Infrared Fluorescent Macromolecular Reporters for Real-Time Imaging and Urinalysis of Cancer Immunotherapy. Journal of the American Chemical Society, 2020, 142, 7075-7082.	13.7	208
38	Semiconducting Polycomplex Nanoparticles for Photothermal Ferrotherapy of Cancer. Angewandte Chemie - International Edition, 2020, 59, 10633-10638.	13.8	234
39	Semiconducting Polycomplex Nanoparticles for Photothermal Ferrotherapy of Cancer. Angewandte Chemie, 2020, 132, 10720-10725.	2.0	37
40	Near-infrared photothermal liposomal nanoantagonists for amplified cancer photodynamic therapy. Journal of Materials Chemistry B, 2020, 8, 7149-7159.	5.8	26
41	Semiconducting Polymer Nanomaterials as Near-Infrared Photoactivatable Protherapeutics for Cancer. Accounts of Chemical Research, 2020, 53, 752-762.	15.6	319
42	Innentitelbild: A Renalâ€Clearable Macromolecular Reporter for Nearâ€Infrared Fluorescence Imaging of Bladder Cancer (Angew. Chem. 11/2020). Angewandte Chemie, 2020, 132, 4218-4218.	2.0	0
43	A Renalâ€Clearable Macromolecular Reporter for Nearâ€Infrared Fluorescence Imaging of Bladder Cancer. Angewandte Chemie, 2020, 132, 4445-4450.	2.0	16
44	Multiplex Optical Urinalysis for Early Detection of Drug-Induced Kidney Injury. Analytical Chemistry, 2020, 92, 6166-6172.	6.5	34
45	Transformable hybrid semiconducting polymer nanozyme for second near-infrared photothermal ferrotherapy. Nature Communications, 2020, 11, 1857.	12.8	294
46	Thermoresponsive Semiconducting Polymer Nanoparticles for Contrastâ€Enhanced Photoacoustic Imaging. Advanced Functional Materials, 2019, 29, 1903461.	14.9	53
47	Unimolecular Chemo-fluoro-luminescent Reporter for Crosstalk-Free Duplex Imaging of Hepatotoxicity. Journal of the American Chemical Society, 2019, 141, 10581-10584.	13.7	175
48	Organic Semiconducting Proâ€nanostimulants for Nearâ€Infrared Photoactivatable Cancer Immunotherapy. Angewandte Chemie - International Edition, 2019, 58, 12680-12687.	13.8	263
49	Organic Semiconducting Proâ€nanostimulants for Nearâ€Infrared Photoactivatable Cancer Immunotherapy. Angewandte Chemie, 2019, 131, 12810-12817.	2.0	50
50	A Renalâ€Clearable Duplex Optical Reporter for Realâ€Time Imaging of Contrastâ€Induced Acute Kidney Injury. Angewandte Chemie, 2019, 131, 17960-17968.	2.0	30
51	A Photolabile Semiconducting Polymer Nanotransducer for Nearâ€Infrared Regulation of CRISPR/Cas9 Gene Editing. Angewandte Chemie - International Edition, 2019, 58, 18197-18201.	13.8	114
52	A Renalâ€Clearable Duplex Optical Reporter for Realâ€Time Imaging of Contrastâ€Induced Acute Kidney Injury. Angewandte Chemie - International Edition, 2019, 58, 17796-17804.	13.8	110
53	Second Nearâ€Infrared Absorbing Agents for Photoacoustic Imaging and Photothermal Therapy. Small Methods, 2019, 3, 1900553.	8.6	184
54	Nearâ€Infrared Photoactivatable Semiconducting Polymer Nanoblockaders for Metastasisâ€Inhibited Combination Cancer Therapy. Advanced Materials, 2019, 31, e1905091.	21.0	157

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55	A Photolabile Semiconducting Polymer Nanotransducer for Nearâ€Infrared Regulation of CRISPR/Cas9 Gene Editing. Angewandte Chemie, 2019, 131, 18365-18369.	2.0	15
56	Renalâ€clearable Molecular Semiconductor for Second Nearâ€Infrared Fluorescence Imaging of Kidney Dysfunction. Angewandte Chemie, 2019, 131, 15264-15271.	2.0	32
57	Renalâ€clearable Molecular Semiconductor for Second Nearâ€Infrared Fluorescence Imaging of Kidney Dysfunction. Angewandte Chemie - International Edition, 2019, 58, 15120-15127.	13.8	202
58	Metabolizable Semiconducting Polymer Nanoparticles for Second Nearâ€Infrared Photoacoustic Imaging. Advanced Materials, 2019, 31, e1808166.	21.0	288
59	Development of organic semiconducting materials for deep-tissue optical imaging, phototherapy and photoactivation. Chemical Society Reviews, 2019, 48, 38-71.	38.1	917
60	Molecular optical imaging probes for early diagnosis of drug-induced acute kidney injury. Nature Materials, 2019, 18, 1133-1143.	27.5	513
61	Nanotransducers for Nearâ€Infrared Photoregulation in Biomedicine. Advanced Materials, 2019, 31, e1901607.	21.0	125
62	Organic Photodynamic Nanoinhibitor for Synergistic Cancer Therapy. Angewandte Chemie, 2019, 131, 8245-8249.	2.0	20
63	A generic approach towards afterglow luminescent nanoparticles for ultrasensitive in vivo imaging. Nature Communications, 2019, 10, 2064.	12.8	210
64	Organic Photodynamic Nanoinhibitor for Synergistic Cancer Therapy. Angewandte Chemie - International Edition, 2019, 58, 8161-8165.	13.8	183
65	A Semiconducting Polymer Nanoâ€prodrug for Hypoxiaâ€Activated Photodynamic Cancer Therapy. Angewandte Chemie, 2019, 131, 5981-5985.	2.0	43
66	Photoactivatable Organic Semiconducting Pro-nanoenzymes. Journal of the American Chemical Society, 2019, 141, 4073-4079.	13.7	231
67	A Semiconducting Polymer Nanoâ€prodrug for Hypoxiaâ€Activated Photodynamic Cancer Therapy. Angewandte Chemie - International Edition, 2019, 58, 5920-5924.	13.8	289
68	Photothermal Ablation of Cancer Cells by Albumin-Modified Gold Nanorods and Activation of Dendritic Cells. Materials, 2019, 12, 31.	2.9	25
69	Semiconducting Polymer Nanoenzymes with Photothermic Activity for Enhanced Cancer Therapy. Angewandte Chemie, 2018, 130, 4059-4062.	2.0	49
70	Dualâ€Peak Absorbing Semiconducting Copolymer Nanoparticles for First and Second Nearâ€Infrared Window Photothermal Therapy: A Comparative Study. Advanced Materials, 2018, 30, e1705980.	21.0	489
71	Semiconducting Polymer Nanoenzymes with Photothermic Activity for Enhanced Cancer Therapy. Angewandte Chemie - International Edition, 2018, 57, 3995-3998.	13.8	256
72	Compact Plasmonic Blackbody for Cancer Theranosis in the Near-Infrared II Window. ACS Nano, 2018, 12, 2643-2651.	14.6	294

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73	Design of electrospun nanofibrous mats for osteogenic differentiation of mesenchymal stem cells. Nanomedicine: Nanotechnology, Biology, and Medicine, 2018, 14, 2505-2520.	3.3	60
74	Oxygenic Hybrid Semiconducting Nanoparticles for Enhanced Photodynamic Therapy. Nano Letters, 2018, 18, 586-594.	9.1	294
75	Recent progress on semiconducting polymer nanoparticles for molecular imaging and cancer phototherapy. Biomaterials, 2018, 155, 217-235.	11.4	404
76	Ligand density-dependent influence of arginineâ€“glycineâ€“aspartate functionalized gold nanoparticles on osteogenic and adipogenic differentiation of mesenchymal stem cells. Nano Research, 2018, 11, 1247-1261.	10.4	36
77	Bifunctional scaffolds for the photothermal therapy of breast tumor cells and adipose tissue regeneration. Journal of Materials Chemistry B, 2018, 6, 7728-7736.	5.8	33
78	Phototherapy-Synergized Cancer Immunotherapy: Recent Progresses in Phototherapy-Synergized Cancer Immunotherapy (Adv. Funct. Mater. 46/2018). Advanced Functional Materials, 2018, 28, 1870327.	14.9	15
79	Recent Progresses in Phototherapyâ€Synergized Cancer Immunotherapy. Advanced Functional Materials, 2018, 28, 1804688.	14.9	234
80	Cell Membrane Coated Semiconducting Polymer Nanoparticles for Enhanced Multimodal Cancer Phototheranostics. ACS Nano, 2018, 12, 8520-8530.	14.6	305
81	Semiconducting Photosensitizerâ€Incorporated Copolymers as Nearâ€Infrared Afterglow Nanoagents for Tumor Imaging. Advanced Healthcare Materials, 2018, 7, e1800329.	7.6	31
82	Semiconducting Polymer Nanobiocatalysts for Photoactivation of Intracellular Redox Reactions. Angewandte Chemie, 2018, 130, 13672-13676.	2.0	7
83	Semiconducting Polymer Nanobiocatalysts for Photoactivation of Intracellular Redox Reactions. Angewandte Chemie - International Edition, 2018, 57, 13484-13488.	13.8	32
84	Sub-10 nm gold nanoparticles promote adipogenesis and inhibit osteogenesis of mesenchymal stem cells. Journal of Materials Chemistry B, 2017, 5, 1353-1362.	5.8	36
85	Nanoencapsulation of individual mammalian cells with cytoprotective polymer shell. Biomaterials, 2017, 133, 253-262.	11.4	48
86	Induction of Chondrogenic Differentiation of Human Mesenchymal Stem Cells by Biomimetic Gold Nanoparticles with Tunable RGD Density. Advanced Healthcare Materials, 2017, 6, 1700317.	7.6	26
87	Aqueous-phase synthesis of iron oxide nanoparticles and composites for cancer diagnosis and therapy. Advances in Colloid and Interface Science, 2017, 249, 374-385.	14.7	30
88	Insight into the interactions between nanoparticles and cells. Biomaterials Science, 2017, 5, 173-189.	5.4	78
89	Composite scaffolds of gelatin and gold nanoparticles with tunable size and shape for photothermal cancer therapy. Journal of Materials Chemistry B, 2017, 5, 245-253.	5.8	58
90	TEMPO-Conjugated Gold Nanoparticles for Reactive Oxygen Species Scavenging and Regulation of Stem Cell Differentiation. ACS Applied Materials & Interfaces, 2017, 9, 35683-35692.	8.0	66

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91	Targeting ligand-functionalized photothermal scaffolds for cancer cell capture and in situ ablation. Biomaterials Science, 2017, 5, 2276-2284.	5.4	12
92	Preparation of dexamethasone-loaded calcium phosphate nanoparticles for the osteogenic differentiation of human mesenchymal stem cells. Journal of Materials Chemistry B, 2017, 5, 6801-6810.	5.8	18
93	A facile synthesis of size- and shape-controlled Gd(OH)₃ nanoparticles and Gd(OH)₃@Au core/shell nanostars. New Journal of Chemistry, 2017, 41, 15136-15143.	2.8	3
94	Facile Synthesis of Lactobionic Acid-Targeted Iron Oxide Nanoparticles with Ultrahigh Relaxivity for Targeted MR Imaging of an Orthotopic Model of Human Hepatocellular Carcinoma. Particle and Particle Systems Characterization, 2017, 34, 1600113.	2.3	13
95	3D Culture of Chondrocytes in Gelatin Hydrogels with Different Stiffness. Polymers, 2016, 8, 269.	4.5	160
96	Facile preparation of hyaluronic acid-modified Fe₃O₄@Mn₃O₄ nanocomposites for targeted T₁/T₂ dual-mode MR imaging of cancer cells. RSC Advances, 2016, 6, 35295-35304.	3.6	21
97	Influence of cell size on cellular uptake of gold nanoparticles. Biomaterials Science, 2016, 4, 970-978.	5.4	70
98	Preparation of gelatin/Fe₃O₄ composite scaffolds for enhanced and repeatable cancer cell ablation. Journal of Materials Chemistry B, 2016, 4, 5664-5672.	5.8	31
99	Multifunctional Fe3O4â€‰@â€‰Au core/shell nanostars: a unique platform for multimode imaging and photothermal therapy of tumors. Scientific Reports, 2016, 6, 28325.	3.3	105
100	Folic acid-targeted iron oxide nanoparticles as contrast agents for magnetic resonance imaging of human ovarian cancer. Journal of Ovarian Research, 2016, 9, 19.	3.0	52
101	Gold nanoparticle size and shape influence on osteogenesis of mesenchymal stem cells. Nanoscale, 2016, 8, 7992-8007.	5.6	193
102	Targeted delivery of doxorubicin by lactobionic acid-modified laponite to hepatocarcinoma cells. Journal of Controlled Release, 2015, 213, e34.	9.9	5
103	Dendrimer-Assisted Formation of Fe₃O₄/Au Nanocomposite Particles for Targeted Dual Mode CT/MR Imaging of Tumors. Small, 2015, 11, 4584-4593.	10.0	114
104	Facile Synthesis of Gd(OH)₃â€Doped Fe₃O₄ Nanoparticles for Dualâ€Mode T₁â€and T₂â€Weighted Magnetic Resonance Imaging Applications. Particle and Particle Systems Characterization, 2015, 32, 934-943.	2.3	18
105	Targeted doxorubicin delivery to hepatocarcinoma cells by lactobionic acid-modified laponite nanodisks. New Journal of Chemistry, 2015, 39, 2847-2855.	2.8	56
106	Facile synthesis of folic acid-functionalized iron oxide nanoparticles with ultrahigh relaxivity for targeted tumor MR imaging. Journal of Materials Chemistry B, 2015, 3, 5720-5730.	5.8	44
107	Iron Oxide Nanoparticles: Facile Synthesis of Gd(OH)3-Doped Fe3O4Nanoparticles for Dual-Mode T1- and T2-Weighted Magnetic Resonance Imaging Applications (Part. Part. Syst. Charact. 10/2015). Particle and Particle Systems Characterization, 2015, 32, 918-918.	2.3	1
108	Facile preparation of albumin-stabilized gold nanostars for the targeted photothermal ablation of cancer cells. Journal of Materials Chemistry B, 2015, 3, 5806-5814.	5.8	40

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109	Cellular effects of magnetic nanoparticles explored by atomic force microscopy. Biomaterials Science, 2015, 3, 1284-1290.	5.4	12
110	Facile synthesis and functionalization of manganese oxide nanoparticles for targeted T 1 -weighted tumor MR imaging. Colloids and Surfaces B: Biointerfaces, 2015, 136, 506-513.	5.0	29
111	Hyaluronic acid-modified Fe3O4@Au core/shell nanostars for multimodal imaging and photothermal therapy of tumors. Biomaterials, 2015, 38, 10-21.	11.4	362
112	Hyaluronic Acid-Modified Magnetic Iron Oxide Nanoparticles for MR Imaging of Surgically Induced Endometriosis Model in Rats. PLoS ONE, 2014, 9, e94718.	2.5	39
113	Imaging: Hydrothermal Synthesis and Functionalization of Iron Oxide Nanoparticles for MR Imaging Applications (Part. Part. Syst. Charact. 12/2014). Particle and Particle Systems Characterization, 2014, 31, 1314-1314.	2.3	0
114	Hyaluronic acid-modified hydrothermally synthesized iron oxide nanoparticles for targeted tumor MR imaging. Biomaterials, 2014, 35, 3666-3677.	11.4	236
115	Hydrothermal Synthesis and Functionalization of Iron Oxide Nanoparticles for MR Imaging Applications. Particle and Particle Systems Characterization, 2014, 31, 1223-1237.	2.3	79
116	Synthesis and Characterization of PEGylated Polyethylenimine-Entrapped Gold Nanoparticles for Blood Pool and Tumor CT Imaging. ACS Applied Materials & Interfaces, 2014, 6, 17190-17199.	8.0	106
117	Polyethyleneimine-mediated synthesis of folic acid-targeted iron oxide nanoparticles for inÂvivo tumor MR imaging. Biomaterials, 2013, 34, 8382-8392.	11.4	245
118	Facile One-Pot Synthesis of Fe₃O₄@Au Composite Nanoparticles for Dual-Mode MR/CT Imaging Applications. ACS Applied Materials & Interfaces, 2013, 5, 10357-10366.	8.0	132