

Liang Chen

List of Publications by Year in Descending Order

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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.

95
papers

3,466
citations

35
h-index

56
g-index

98
ext. papers

4,214
ext. citations

8.3
avg, IF

5.65
L-index

#	Paper	IF	Citations
95	Recent Progress on Asymmetric Carbon- and Silica-Based Nanomaterials: From Synthetic Strategies to Their Applications.. <i>Nano-Micro Letters</i> , 2022 , 14, 45	19.5	2
94	Phosphorus dendron nanomicelles as a platform for combination anti-inflammatory and antioxidative therapy of acute lung injury.. <i>Theranostics</i> , 2022 , 12, 3407-3419	12.1	1
93	Oxygen-Independent Sulfate Radical for Stimuli-Responsive Tumor Nanotherapy.. <i>Advanced Science</i> , 2022 , e2200974	13.6	2
92	Light-Click In Situ Self-Assembly of Superhelical Nanofibers and Their Helicity Hierarchy Control. <i>Macromolecules</i> , 2021 , 54, 5077-5086	5.5	4
91	Cyclotriphosphazene-Based "Butterfly" Fluorescence Probe for Lysosome Targeting. <i>Bioconjugate Chemistry</i> , 2021 , 32, 1117-1122	6.3	2
90	Imparting multi-functionality to covalent organic framework nanoparticles by the dual-ligand assistant encapsulation strategy. <i>Nature Communications</i> , 2021 , 12, 4556	17.4	14
89	In situ formation of metal organic framework onto gold nanorods/mesoporous silica with functional integration for targeted theranostics. <i>Chemical Engineering Journal</i> , 2021 , 403, 126432	14.7	24
88	Coupling metal organic frameworks with molybdenum disulfide nanoflakes for targeted cancer theranostics. <i>Biomaterials Science</i> , 2021 , 9, 3306-3318	7.4	3
87	Streamlined Mesoporous Silica Nanoparticles with Tunable Curvature from Interfacial Dynamic-Migration Strategy for Nanomotors. <i>Nano Letters</i> , 2021 , 21, 6071-6079	11.5	9
86	Rationally integrating peptide-induced targeting and multimodal therapies in a dual-shell theranostic platform for orthotopic metastatic spinal tumors. <i>Biomaterials</i> , 2021 , 275, 120917	15.6	7
85	Peptide vaccine-conjugated mesoporous carriers synergize with immunogenic cell death and PD-L1 blockade for amplified immunotherapy of metastatic spinal. <i>Journal of Nanobiotechnology</i> , 2021 , 19, 243	9.4	3
84	Mitochondria-specific nanocatalysts for chemotherapy-augmented sequential chemoreactive tumor therapy. <i>Exploration</i> , 2021 , 1, 50-60		20
83	Revisiting Cationic Phosphorus Dendrimers as a Nonviral Vector for Optimized Gene Delivery Toward Cancer Therapy Applications. <i>Biomacromolecules</i> , 2020 , 21, 2502-2511	6.9	24
82	Recent developments of mesoporous silica nanoparticles in biomedicine. <i>Emergent Materials</i> , 2020 , 3, 381-405	3.5	14
81	Potent Anticancer Efficacy of First-In-Class Cu and Au Metaled Phosphorus Dendrons with Distinct Cell Death Pathways. <i>Chemistry - A European Journal</i> , 2020 , 26, 5903-5910	4.8	8
80	Engine-Trailer-Structured Nanotrucks for Efficient Nano-Bio Interactions and Bioimaging-Guided Drug Delivery. <i>CheM</i> , 2020 , 6, 1097-1112	16.2	33
79	Size and charge dual-transformable mesoporous nanoassemblies for enhanced drug delivery and tumor penetration. <i>Chemical Science</i> , 2020 , 11, 2819-2827	9.4	34

78	Interfacial Assembly Directed Unique Mesoporous Architectures: From Symmetric to Asymmetric. <i>Accounts of Materials Research</i> , 2020 , 1, 100-114	7.5	17
77	CO -Folded Single-Chain Nanoparticles as Recyclable, Improved Carboxylase Mimics. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 18418-18422	16.4	6
76	Targeted Combination of Antioxidative and Anti-Inflammatory Therapy of Rheumatoid Arthritis using Multifunctional Dendrimer-Entrapped Gold Nanoparticles as a Platform. <i>Small</i> , 2020 , 16, e200566 ^{†11}		23
75	Solution Self-Assembly of Chalcogen-Bonding Polymer Partners. <i>ACS Macro Letters</i> , 2020 , 9, 1102-1107	6.6	4
74	Surface-Confined Winding Assembly of Mesoporous Nanorods. <i>Journal of the American Chemical Society</i> , 2020 ,	16.4	7
73	Synergism among Polydispersed Amphiphilic Block Copolymers Leading to Spontaneous Physical Hydrogelation upon Heating. <i>Macromolecules</i> , 2020 , 53, 7726-7739	5.5	17
72	CO ₂ -Folded Single-Chain Nanoparticles as Recyclable, Improved Carboxylase Mimics. <i>Angewandte Chemie</i> , 2020 , 132, 18576-18580	3.6	0
71	Gas-Constructed Vesicles with Gas-Moldable Membrane Architectures. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 15104-15108	16.4	6
70	Gas-Constructed Vesicles with Gas-Moldable Membrane Architectures. <i>Angewandte Chemie</i> , 2020 , 132, 15216-15220	3.6	
69	Morpholino-functionalized phosphorus dendrimers for precision regenerative medicine: osteogenic differentiation of mesenchymal stem cells. <i>Nanoscale</i> , 2019 , 11, 17230-17234	7.7	2
68	Surface-kinetics mediated mesoporous multipods for enhanced bacterial adhesion and inhibition. <i>Nature Communications</i> , 2019 , 10, 4387	17.4	40
67	Tc-Labeled Polyethylenimine-Entrapped Gold Nanoparticles with pH-Responsive Charge Conversion Property for Enhanced Dual Mode SPECT/CT Imaging of Cancer Cells. <i>Langmuir</i> , 2019 , 35, 13405-13412	4	12
66	Highly Sensitive Dissolved Oxygen Sensor with a Sustainable Antifouling, Antiabrasion, and Self-Cleaning Superhydrophobic Surface. <i>ACS Omega</i> , 2019 , 4, 1715-1721	3.9	14
65	Enhancement of Schwann Cells Function Using Graphene-Oxide-Modified Nanofiber Scaffolds for Peripheral Nerve Regeneration. <i>ACS Biomaterials Science and Engineering</i> , 2019 , 5, 2444-2456	5.5	35
64	Mesoporous silica nanoparticles for tissue-engineering applications. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2019 , 11, e1573	9.2	43
63	Tumor-targeted biodegradable multifunctional nanoparticles for cancer theranostics. <i>Chemical Engineering Journal</i> , 2019 , 378, 122171	14.7	15
62	Biodegradable Mesoporous Silica Nanocarrier Bearing Angiogenic QK Peptide and Dexamethasone for Accelerating Angiogenesis in Bone Regeneration. <i>ACS Biomaterials Science and Engineering</i> , 2019 , 5, 6766-6778	5.5	13
61	CO -Cross-Linked Frustrated Lewis Networks as Gas-Regulated Dynamic Covalent Materials. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 264-268	16.4	24

60	CO ₂ -Cross-Linked Frustrated Lewis Networks as Gas-Regulated Dynamic Covalent Materials. <i>Angewandte Chemie</i> , 2019 , 131, 270-274	3.6	8
59	In vitro and in vivo studies of electroactive reduced graphene oxide-modified nanofiber scaffolds for peripheral nerve regeneration. <i>Acta Biomaterialia</i> , 2019 , 84, 98-113	10.8	99
58	Merging metal organic framework with hollow organosilica nanoparticles as a versatile nanoplatform for cancer theranostics. <i>Acta Biomaterialia</i> , 2019 , 86, 406-415	10.8	42
57	Versatile Nanocarrier Based on Functionalized Mesoporous Silica Nanoparticles to Codeliver Osteogenic Gene and Drug for Enhanced Osteodifferentiation. <i>ACS Biomaterials Science and Engineering</i> , 2019 , 5, 710-723	5.5	18
56	Mesoporous silica nanoparticles/gelatin porous composite scaffolds with localized and sustained release of vancomycin for treatment of infected bone defects. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 740-752	7.3	43
55	New Ways to Treat Tuberculosis Using Dendrimers as Nanocarriers. <i>Pharmaceutics</i> , 2018 , 10,	6.4	19
54	Near-infrared light triggered drug release from mesoporous silica nanoparticles. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 7112-7121	7.3	39
53	Fabrication of heterogeneous porous bilayered nanofibrous vascular grafts by two-step phase separation technique. <i>Acta Biomaterialia</i> , 2018 , 79, 168-181	10.8	34
52	Polymer Meets Frustrated Lewis Pair: Second-Generation CO ₂ -Responsive Nanosystem for Sustainable CO Conversion. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 9336-9340	16.4	53
51	Polymer Meets Frustrated Lewis Pair: Second-Generation CO ₂ -Responsive Nanosystem for Sustainable CO ₂ Conversion. <i>Angewandte Chemie</i> , 2018 , 130, 9480-9484	3.6	19
50	Macroporous nanofibrous vascular scaffold with improved biodegradability and smooth muscle cells infiltration prepared by dual phase separation technique. <i>International Journal of Nanomedicine</i> , 2018 , 13, 7003-7018	7.3	16
49	Reversible Self-Assembly of Supramolecular Vesicles and Nanofibers Driven by Chalcogen-Bonding Interactions. <i>Journal of the American Chemical Society</i> , 2018 , 140, 7079-7082	16.4	43
48	Fabrication of curcumin-loaded mesoporous silica incorporated polyvinyl pyrrolidone nanofibers for rapid hemostasis and antibacterial treatment. <i>RSC Advances</i> , 2017 , 7, 7973-7982	3.7	47
47	Three-dimensional porous scaffold by self-assembly of reduced graphene oxide and nano-hydroxyapatite composites for bone tissue engineering. <i>Carbon</i> , 2017 , 116, 325-337	10.4	154
46	Marriage of Albumin-Gadolinium Complexes and MoS ₂ Nanoflakes as Cancer Theranostics for Dual-Modality Magnetic Resonance/Photoacoustic Imaging and Photothermal Therapy. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 17786-17798	9.5	72
45	One-Pot Synthesis of MoS ₂ Nanoflakes with Desirable Degradability for Photothermal Cancer Therapy. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 17347-17358	9.5	87
44	One-pot synthesis of AIE based bismuth sulfide nanotheranostics for fluorescence imaging and photothermal therapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017 , 160, 297-304	6	15
43	Local Delivery of BMP-2 from Poly(lactic-co-glycolic acid) Microspheres Incorporated into Porous Nanofibrous Scaffold for Bone Tissue Regeneration. <i>Journal of Biomedical Nanotechnology</i> , 2017 , 13, 1446-1456	4	11

42	Perylene Diimide-Grafted Polymeric Nanoparticles Chelated with Gd for Photoacoustic/T-Weighted Magnetic Resonance Imaging-Guided Photothermal Therapy. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 30458-30469	9.5	38
41	PEGylated (NH)WO nanorods as efficient and stable multifunctional nanoagents for simultaneous CT imaging and photothermal therapy of tumor. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2017 , 174, 10-17	6.7	8
40	pH and reduction sensitive mesoporous silica nanoparticles for targeted drug delivery. <i>Journal of Controlled Release</i> , 2017 , 259, e79-e80	11.7	2
39	Inorganic Strengthened Hydrogel Membrane as Regenerative Periosteum. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 41168-41180	9.5	92
38	Dual-Responsive Mesoporous Silica Nanoparticles Mediated Codelivery of Doxorubicin and Bcl-2 SiRNA for Targeted Treatment of Breast Cancer. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 22375-22387	7.8	73
37	Multifunctional Redox-Responsive Mesoporous Silica Nanoparticles for Efficient Targeting Drug Delivery and Magnetic Resonance Imaging. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 33829-33841	9.5	89
36	Photoswitchable Supramolecular Systems 2016 , 109-166		1
35	POSS-based fluorinated azobenzene-containing polymers: Photo-responsive behavior and evaluation of water repellency. <i>Journal of Applied Polymer Science</i> , 2016 , 133, n/a-n/a	2.9	3
34	Multimetal-MOF-derived transition metal alloy NPs embedded in an N-doped carbon matrix: highly active catalysts for hydrogenation reactions. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 10254-10262	13	98
33	A Bonded Double-Doped Graphene Nanoribbon Framework for Advanced Electrocatalysis. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 16649-55	9.5	12
32	Facile synthesis of novel albumin-functionalized flower-like MoS ₂ nanoparticles for in vitro chemo-photothermal synergistic therapy. <i>RSC Advances</i> , 2016 , 6, 13040-13049	3.7	46
31	Synthesis and characterization of poly(glycerol sebacate)-based elastomeric copolyesters for tissue engineering applications. <i>Polymer Chemistry</i> , 2016 , 7, 2553-2564	4.9	38
30	Electrophoretic Deposition of Dexamethasone-Loaded Mesoporous Silica Nanoparticles onto Poly(L-Lactic Acid)/Poly(ε-Caprolactone) Composite Scaffold for Bone Tissue Engineering. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 4137-48	9.5	79
29	Effects of organic amendments on rice (<i>Oryza sativa</i> L.) growth and uptake of heavy metals in contaminated soil. <i>Journal of Soils and Sediments</i> , 2016 , 16, 537-546	3.4	31
28	Evolution of Rhodamine B into Near-Infrared Dye by Phototriggered Radical Reaction and Its Application for Lysosome-Specific Live-Cell Imaging. <i>Advanced Optical Materials</i> , 2016 , 4, 1367-1372	8.1	6
27	Novel Hydrogel Material as a Potential Embolic Agent in Embolization Treatments. <i>Scientific Reports</i> , 2016 , 6, 32145	4.9	19
26	Egg white-mediated green synthesis of CuS quantum dots as a biocompatible and efficient 980 nm laser-driven photothermal agent. <i>RSC Advances</i> , 2016 , 6, 40480-40488	3.7	25
25	Electrospun nanofibers incorporating self-decomposable silica nanoparticles as carriers for controlled delivery of anticancer drug. <i>RSC Advances</i> , 2015 , 5, 65897-65904	3.7	23

24	Density controlled oil uptake and beyond: from carbon nanotubes to graphene nanoribbon aerogels. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 20547-20553	13	58
23	Synthesis and characterization of nanofibrous hollow microspheres with tunable size and morphology via thermally induced phase separation technique. <i>RSC Advances</i> , 2015 , 5, 61580-61585	3.7	9
22	BMP-2 Derived Peptide and Dexamethasone Incorporated Mesoporous Silica Nanoparticles for Enhanced Osteogenic Differentiation of Bone Mesenchymal Stem Cells. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 15777-89	9.5	152
21	Effects of Molecular Weight and Its Distribution of PEG Block on Micellization and Thermogellability of PLGA/PEG/PLGA Copolymer Aqueous Solutions. <i>Macromolecules</i> , 2015 , 48, 3662-3671	5.5	82
20	In vitro and in vivo toxicity studies of copper sulfide nanoplates for potential photothermal applications. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2015 , 11, 901-12	6	77
19	Thermo- and pH dual-responsive mesoporous silica nanoparticles for controlled drug release. <i>Journal of Controlled Release</i> , 2015 , 213, e69-70	11.7	4
18	Intrinsically Coupled 3D Frameworks as Anode Materials for Lithium-Ion Batteries. <i>Chemistry of Materials</i> , 2015 , 27, 7289-7295	9.6	24
17	A general and green approach to synthesize monodisperse ceria hollow spheres with enhanced photocatalytic activity. <i>RSC Advances</i> , 2015 , 5, 80158-80169	3.7	15
16	Three-dimensional nitrogen-doped graphene nanoribbons aerogel as a highly efficient catalyst for the oxygen reduction reaction. <i>Small</i> , 2015 , 11, 1423-9	11	105
15	A drug delivery system based on novel hollow mesoporous silica nanospheres. <i>Journal of Controlled Release</i> , 2015 , 213, e108-9	11.7	2
14	Flower-like PEGylated MoS ₂ nanoflakes for near-infrared photothermal cancer therapy. <i>Scientific Reports</i> , 2015 , 5, 17422	4.9	148
13	A Programmed DNA Marker Based on Bis(4-ethynyl-1,8-naphthalimide) and Three-Methane-Bridged Thiazole Orange. <i>Chemistry - A European Journal</i> , 2015 , 21, 16623-30	4.8	7
12	Au/polypyrrole@Fe ₃ O ₄ nanocomposites for MR/CT dual-modal imaging guided-photothermal therapy: an in vitro study. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 4354-67	9.5	114
11	Rational design of three-dimensional nitrogen-doped carbon nanoleaf networks for high-performance oxygen reduction. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 5617-5627	13	28
10	Tumor regression achieved by encapsulating a moderately soluble drug into a polymeric thermogel. <i>Scientific Reports</i> , 2014 , 4, 5473	4.9	82
9	Synthesis of hollow mesoporous silica nanoparticles with tunable shell thickness and pore size using amphiphilic block copolymers as core templates. <i>Dalton Transactions</i> , 2014 , 43, 11834-42	4.3	35
8	Effect of pH-responsive alginate/chitosan multilayers coating on delivery efficiency, cellular uptake and biodistribution of mesoporous silica nanoparticles based nanocarriers. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 8447-60	9.5	175
7	Salt-induced reentrant hydrogel of poly(ethylene glycol)-poly(lactide-co-glycolide) block copolymers. <i>Polymer Chemistry</i> , 2014 , 5, 979-991	4.9	49

6	Polyelectrolyte multilayer functionalized mesoporous silica nanoparticles for pH-responsive drug delivery: layer thickness-dependent release profiles and biocompatibility. <i>Journal of Materials Chemistry B</i> , 2013 , 1, 5886-5898	7.3	100
5	Effects of mature micelle formation of Pluronic P123 on equilibrium between lactone and carboxylate forms of 10-hydrocamptothecin in water. <i>Polymer Chemistry</i> , 2013 , 4, 3245	4.9	12
4	Doxorubicin-loaded electrospun poly(L-lactic acid)/mesoporous silica nanoparticles composite nanofibers for potential postsurgical cancer treatment. <i>Journal of Materials Chemistry B</i> , 2013 , 1, 4601-4611	7.3	142
3	Studying flocculation mechanism of chitosan with pyrene-fluorescence probe method. <i>Chinese Journal of Chemistry</i> , 2010 , 21, 1224-1228	4.9	2
2	Rethinking of Non-traditional Water Resources in Residential Developments of Rural Towns, Western Australia. <i>Journal of Water and Environment Technology</i> , 2009 , 7, 57-66	1.1	
1	A New Approach for the Flocculation Mechanism of Chitosan. <i>Journal of Polymers and the Environment</i> , 2003 , 11, 87-92	4.5	44