

# Lingjie Meng

## List of Publications by Year in descending order

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106  
papers

4,745  
citations

101496

36  
h-index

106281

65  
g-index

114  
all docs

114  
docs citations

114  
times ranked

7041  
citing authors

#	ARTICLE	IF	CITATIONS
1	Targeted delivery and controlled release of doxorubicin to cancer cells using modified single wall carbon nanotubes. <i>Biomaterials</i> , 2009, 30, 6041-6047.	5.7	479
2	MnO <sub>2</sub> nanosheets as an artificial enzyme to mimic oxidase for rapid and sensitive detection of glutathione. <i>Biosensors and Bioelectronics</i> , 2017, 90, 69-74.	5.3	309
3	Single walled carbon nanotubes as drug delivery vehicles: Targeting doxorubicin to tumors. <i>Biomaterials</i> , 2012, 33, 1689-1698.	5.7	301
4	Advanced technology for functionalization of carbon nanotubes. <i>Progress in Natural Science: Materials International</i> , 2009, 19, 801-810.	1.8	285
5	Targeted therapy of SMMC-7721 liver cancer in vitro and in vivo with carbon nanotubes based drug delivery system. <i>Journal of Colloid and Interface Science</i> , 2012, 365, 143-149.	5.0	179
6	Gold nanoparticles as computerized tomography (CT) contrast agents. <i>RSC Advances</i> , 2012, 2, 12515.	1.7	132
7	Facile Synthesis of Superparamagnetic Fe <sub>3</sub> O <sub>4</sub> @polyphosphazene@Au Shells for Magnetic Resonance Imaging and Photothermal Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 4586-4591.	4.0	112
8	Recent advances in luminescent materials for super-resolution imaging <i>via</i> stimulated emission depletion nanoscopy. <i>Chemical Society Reviews</i> , 2021, 50, 667-690.	18.7	105
9	On the origin of the synergy between the Pt nanoparticles and MnO <sub>2</sub> nanosheets in Wonton-like 3D nanozyme oxidase mimics. <i>Biosensors and Bioelectronics</i> , 2018, 121, 159-165.	5.3	90
10	NaGdF <sub>4</sub> :Yb <sup>3+</sup> /Er <sup>3+</sup> @NaGdF <sub>4</sub> :Nd <sup>3+</sup> @Sodium-Gluconate: Multifunctional and Biocompatible Ultrasmall Core-Shell Nanohybrids for UCL/MR/CT Multimodal Imaging. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 16257-16265.	4.0	78
11	Simultaneous Reduction and Surface Functionalization of Graphene Oxide by Natural Cellulose with the Assistance of the Ionic Liquid. <i>Journal of Physical Chemistry C</i> , 2012, 116, 16294-16299.	1.5	77
12	One-Pot Synthesis of Highly Magnetically Sensitive Nanochains Coated with a Highly Cross-Linked and Biocompatible Polymer. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 8476-8479.	7.2	73
13	pH/redox dual-stimuli-responsive cross-linked polyphosphazene nanoparticles for multimodal imaging-guided chemo-photodynamic therapy. <i>Nanoscale</i> , 2019, 11, 9457-9467.	2.8	71
14	Tuning molecular aggregation to achieve highly bright AIE dots for NIR-II fluorescence imaging and NIR-I photoacoustic imaging. <i>Chemical Science</i> , 2020, 11, 8157-8166.	3.7	70
15	Florescent and Cross-linked Organic-Inorganic Hybrid Nanoshells for Monitoring Drug Delivery. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 4990-4997.	4.0	68
16	Cell Behaviors on Polysaccharide-Wrapped Single-Wall Carbon Nanotubes: A Quantitative Study of the Surface Properties of Biomimetic Nanofibrous Scaffolds. <i>ACS Nano</i> , 2009, 3, 3200-3206.	7.3	67
17	Intelligent nanoflowers: a full tumor microenvironment-responsive multimodal cancer theranostic nanoplatfom. <i>Nanoscale</i> , 2019, 11, 15508-15518.	2.8	66
18	Fabrication of gold nano- and microstructures in ionic liquids—A remarkable anion effect. <i>Journal of Colloid and Interface Science</i> , 2008, 323, 260-266.	5.0	63

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19	Highly Cross-Linked and Biocompatible Polyphosphazene-Coated Superparamagnetic Fe <sub>3</sub> O <sub>4</sub> Nanoparticles for Magnetic Resonance Imaging. <i>Langmuir</i> , 2013, 29, 9156-9163.	1.6	63
20	Folate-Conjugated PEG on Single Walled Carbon Nanotubes for Targeting Delivery of Doxorubicin to Cancer Cells. <i>Macromolecular Bioscience</i> , 2013, 13, 735-744.	2.1	63
21	A Strategy of Self-Isolated Enhanced Emission to Achieve Highly Emissive Dual-State Emission for Organic Luminescent Materials. <i>Chemistry - A European Journal</i> , 2018, 24, 10383-10389.	1.7	61
22	Versatile Nanoplatfoms with enhanced Photodynamic Therapy: Designs and Applications. <i>Theranostics</i> , 2020, 10, 7287-7318.	4.6	58
23	The ionic liquid-associated synthesis of a cellulose/SWCNT complex and its remarkable biocompatibility. <i>Journal of Materials Chemistry</i> , 2009, 19, 3612.	6.7	56
24	Fastening Porphyrin in Highly Cross-Linked Polyphosphazene Hybrid Nanoparticles: Powerful Red Fluorescent Probe for Detecting Mercury Ion. <i>Langmuir</i> , 2014, 30, 4458-4464.	1.6	54
25	Multistage tumor microenvironment-responsive theranostic nanopeanuts: Toward multimode imaging guided chemo-photodynamic therapy. <i>Chemical Engineering Journal</i> , 2020, 385, 123893.	6.6	50
26	Fabrication of Dendritic Gold Nanoparticles by Use of an Ionic Polymer Template. <i>Langmuir</i> , 2008, 24, 2699-2704.	1.6	49
27	Facile Preparation of Doxorubicin-Loaded and Folic Acid-Conjugated Carbon Nanotubes@Poly(N-vinyl pyrrole) for Targeted Synergistic Chemo-Photothermal Cancer Treatment. <i>Bioconjugate Chemistry</i> , 2017, 28, 2815-2822.	1.8	49
28	Seeing the unseen: AIE luminogens for super-resolution imaging. <i>Coordination Chemistry Reviews</i> , 2022, 451, 214279.	9.5	48
29	One-pot synthesis of highly cross-linked fluorescent polyphosphazene nanoparticles for cell imaging. <i>Polymer Chemistry</i> , 2015, 6, 3155-3163.	1.9	46
30	Super-Resolution Visualization of Self-Assembling Helical Fibers Using Aggregation-Induced Emission Luminogens in Stimulated Emission Depletion Nanoscopy. <i>ACS Nano</i> , 2019, 13, 11863-11873.	7.3	45
31	Gold Nanorods/Metal-Organic Framework Hybrids: Photo-Enhanced Peroxidase-Like Activity and SERS Performance for Organic Dyestuff Degradation and Detection. <i>Analytical Chemistry</i> , 2022, 94, 4484-4494.	3.2	45
32	Golden Single-Walled Carbon Nanotubes Prepared Using Double Layer Polysaccharides Bridge for Photothermal Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 4989-4996.	4.0	44
33	Photochemical-Controlled Switching Based on Azobenzene Monolayer Modified Silicon (111) Surface. <i>Journal of Physical Chemistry B</i> , 2005, 109, 14465-14468.	1.2	43
34	Superparamagnetic submicro-megranates: Fe <sub>3</sub> O <sub>4</sub> nanoparticles coated with highly cross-linked organic/inorganic hybrids. <i>Chemical Communications</i> , 2009, , 6370.	2.2	43
35	An easily synthesized AIE luminogen for lipid droplet-specific super-resolution imaging and two-photon imaging. <i>Materials Chemistry Frontiers</i> , 2021, 5, 1872-1883.	3.2	41
36	Bimetallic Metal-Organic Frameworks: Enhanced Peroxidase-like Activities for the Self-Activated Cascade Reaction. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 36106-36116.	4.0	41

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37	Salt and water co-assisted exfoliation of graphite in organic solvent for efficient and large scale production of high-quality graphene. <i>Journal of Colloid and Interface Science</i> , 2019, 535, 92-99.	5.0	40
38	Deep-Red Fluorescent Organic Nanoparticles with High Brightness and Photostability for Super-Resolution in Vitro and in Vivo Imaging Using STED Nanoscopy. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 6814-6826.	4.0	40
39	High-Performance and Reactivation Characteristics of High-Quality, Graphene-Supported SnS <sub>2</sub> Heterojunctions for a Lithium-Ion Battery Anode. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 22314-22322.	4.0	37
40	Multifunctional Nanoflowers for Simultaneous Multimodal Imaging and High-Sensitivity Chemo-Photothermal Treatment. <i>Bioconjugate Chemistry</i> , 2018, 29, 559-570.	1.8	36
41	Recent advances in graphite carbon nitride-based nanocomposites: structure, antibacterial properties and synergies. <i>Nanoscale Advances</i> , 2021, 3, 3708-3729.	2.2	35
42	A Facile Strategy for Preparation of Fluorescent SWNT Complexes with High Quantum Yields Based on Ion Exchange. <i>Advanced Functional Materials</i> , 2008, 18, 857-864.	7.8	34
43	Gold nanostars decorated MnO <sub>2</sub> nanosheets for magnetic resonance imaging and photothermal erasion of lung cancer cell. <i>Materials Today Communications</i> , 2018, 16, 97-104.	0.9	33
44	Porous N-doped carbon nanoflakes supported hybridized SnO <sub>2</sub> /Co <sub>3</sub> O <sub>4</sub> nanocomposites as high-performance anode for lithium-ion batteries. <i>Journal of Colloid and Interface Science</i> , 2020, 560, 546-554.	5.0	33
45	A tumor-microenvironment fully responsive nano-platform for MRI-guided photodynamic and photothermal synergistic therapy. <i>Journal of Materials Chemistry B</i> , 2020, 8, 8271-8281.	2.9	32
46	Large-scale Production of Homogeneous Helical Amylose/SWNTs Complexes with Good Biocompatibility. <i>Macromolecular Rapid Communications</i> , 2007, 28, 2180-2184.	2.0	31
47	Gold Nanoparticles Grown on Ionic Liquid-Functionalized Single-Walled Carbon Nanotubes: New Materials for Photothermal Therapy. <i>Chemistry - A European Journal</i> , 2012, 18, 13314-13319.	1.7	31
48	Intense white emission from a single-upconversion nanoparticle and tunable emission colour with laser power. <i>Journal of Materials Chemistry C</i> , 2016, 4, 6975-6981.	2.7	31
49	Controlled synthesis of water-dispersible and superparamagnetic Fe <sub>3</sub> O <sub>4</sub> nanomaterials by a microwave-assisted solvothermal method: from nanocrystals to nanoclusters. <i>CrystEngComm</i> , 2017, 19, 5089-5099.	1.3	31
50	Core@shell nanostructures for photothermal conversion: Tunable noble metal nanoshells on cross-linked polymer submicrospheres. <i>Journal of Materials Chemistry</i> , 2010, 20, 5493.	6.7	30
51	Multifunctional polyphosphazene-coated multi-walled carbon nanotubes for the synergistic treatment of redox-responsive chemotherapy and effective photothermal therapy. <i>Polymer Chemistry</i> , 2017, 8, 6938-6942.	1.9	30
52	Stepwise growth of gold coated cancer targeting carbon nanotubes for the precise delivery of doxorubicin combined with photothermal therapy. <i>Journal of Materials Chemistry B</i> , 2017, 5, 1380-1387.	2.9	27
53	Tumor microenvironment self-regulation: Bimetallic metal nanozyme-derived multifunctional nanodrug for optimizable cascade catalytic reaction-synergetic anti-tumor theranostics. <i>Chemical Engineering Journal</i> , 2022, 442, 136096.	6.6	27
54	Preparation and Cellular Uptake of pH-Dependent Fluorescent Single-Wall Carbon Nanotubes. <i>Chemistry - A European Journal</i> , 2010, 16, 556-561.	1.7	26

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55	Multi-layered tumor-targeting photothermal-doxorubicin releasing nanotubes eradicate tumors <i>in vivo</i> with negligible systemic toxicity. <i>Nanoscale</i> , 2018, 10, 8536-8546.	2.8	26
56	Aggregation-Induced Emission (AIE) in Super-resolution Imaging: Cationic AIE Luminogens (AIEgens) for Tunable Organelle-Specific Imaging and Dynamic Tracking in Nanometer Scale. <i>ACS Nano</i> , 2022, 16, 5932-5942.	7.3	26
57	Synthesis and characterization of D-A-A type regular terpolymers with narrowed band-gap and their application in high performance polymer solar cells. <i>Organic Electronics</i> , 2016, 32, 237-243.	1.4	25
58	Controlled preparation of high quality WS <sub>2</sub> nanostructures by a microwave-assisted solvothermal method. <i>CrystEngComm</i> , 2018, 20, 2324-2330.	1.3	25
59	Acid-Responsive and Biologically Degradable Polyphosphazene Nanodrugs for Efficient Drug Delivery. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 4285-4293.	2.6	25
60	Facilely prepared aggregation-induced emission (AIE) nanocrystals with deep-red emission for super-resolution imaging. <i>Chemical Science</i> , 2022, 13, 1270-1280.	3.7	24
61	Fluorescent Organic Nanoparticles Constructed by a Facile "Self-Isolation Enhanced Emission" Strategy for Cell Imaging. <i>ACS Applied Nano Materials</i> , 2018, 1, 2324-2331.	2.4	23
62	An Internal Fluorescent Probe Based on Anthracene to Evaluate Cation-Anion Interactions in Imidazolium Salts. <i>Chemistry - A European Journal</i> , 2010, 16, 6473-6481.	1.7	21
63	Rare-Earth-Based Nanoparticles with Simultaneously Enhanced Near-Infrared (NIR)-Visible (Vis) and NIR-NIR Dual-Conversion Luminescence for Multimodal Imaging. <i>Chemistry - an Asian Journal</i> , 2016, 11, 1050-1058.	1.7	21
64	Advanced MoS <sub>2</sub> and graphene heterostructures as high-performance anode for sodium-ion batteries. <i>Nanotechnology</i> , 2019, 30, 104003.	1.3	21
65	One-pot synthesis of acid-degradable polyphosphazene prodrugs for efficient tumor chemotherapy. <i>Journal of Materials Chemistry B</i> , 2020, 8, 10540-10548.	2.9	20
66	A Facilely Synthesized Dual-State Emission Platform for Picric Acid Detection and Latent Fingerprint Visualization. <i>Chemistry - A European Journal</i> , 2020, 26, 2741-2748.	1.7	19
67	Enhanced Response of Metformin towards the Cancer Cells due to Synergism with Multi-walled Carbon Nanotubes in Photothermal Therapy. <i>Scientific Reports</i> , 2017, 7, 1071.	1.6	18
68	A1-A1 type small molecules terminated with naphthalimide building blocks for efficient non-fullerene organic solar cells. <i>Dyes and Pigments</i> , 2017, 137, 43-49.	2.0	18
69	Enhanced Lithium Storage Performance of Liquid-Phase Exfoliated Graphene Supported WS <sub>2</sub> Heterojunctions. <i>ChemElectroChem</i> , 2018, 5, 3222-3228.	1.7	18
70	Facile preparation of pH/redox dual-responsive biodegradable polyphosphazene prodrugs for effective cancer chemotherapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 200, 111573.	2.5	18
71	One-pot synthesis of fluorescent and cross-linked polyphosphazene nanoparticles for highly sensitive and selective detection of dopamine in body fluids. <i>RSC Advances</i> , 2015, 5, 92762-92768.	1.7	16
72	Continuous phase regulation of MoSe <sub>2</sub> from 2H to 1T for the optimization of peroxidase-like catalysis. <i>Journal of Materials Chemistry B</i> , 2020, 8, 6451-6458.	2.9	14

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73	Controllable and mass fabrication of highly luminescent N-doped carbon dots for bioimaging applications. <i>RSC Advances</i> , 2015, 5, 22343-22349.	1.7	13
74	Effects of surface condition of conductive electrospun nanofiber mats on cell behavior for nerve tissue engineering. <i>Materials Science and Engineering C</i> , 2021, 120, 111795.	3.8	12
75	Coordination chemistry on the surface of single-walled carbon nanotubes. <i>Inorganica Chimica Acta</i> , 2010, 363, 3926-3931.	1.2	11
76	Fabrication of reduced graphene oxide hybrid materials that exhibit strong fluorescence. <i>Journal of Materials Chemistry</i> , 2012, 22, 14868.	6.7	11
77	Microwave-assisted synthesis of water-disperse and biocompatible NaGdF <sub>4</sub> :Yb, Ln@NaGdF <sub>4</sub> nanocrystals for UCL/CT/MR multimodal imaging. <i>Journal of Fluorine Chemistry</i> , 2017, 200, 77-83.	0.9	11
78	Construction of hyperbranched and pH-responsive polymeric nanocarriers by yne-phenol click-reaction for tumor synergistic chemotherapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 204, 111790.	2.5	11
79	Boosting the AIEgen-based photo-theranostic platform by balancing radiative decay and non-radiative decay. <i>Materials Chemistry Frontiers</i> , 0, , .	3.2	11
80	Fabrication of Octahedral Gold Nanostructures Using an Alcoholic Ionic Liquid. <i>Chemistry Letters</i> , 2008, 37, 106-107.	0.7	10
81	Spirobifluorene-cored small molecules containing four diketopyrrolopyrrole arms for solution-processed organic solar cells. <i>Journal of Materials Science</i> , 2016, 51, 8018-8026.	1.7	10
82	Liquid-phase exfoliated-graphene-supporting nanostructural sulfur as high-performance lithium-sulfur batteries cathode. <i>Composites Communications</i> , 2019, 15, 149-154.	3.3	10
83	Pt nanoenzyme decorated yolk-shell nanoplatform as an oxygen generator for enhanced multi-modality imaging-guided phototherapy. <i>Journal of Colloid and Interface Science</i> , 2022, 616, 759-768.	5.0	10
84	Microwave-assisted mass synthesis of Mo <sub>1-x</sub> W <sub>x</sub> S <sub>2</sub> alloy composites with a tunable lithium storage property. <i>Dalton Transactions</i> , 2018, 47, 15148-15154.	1.6	9
85	pH/ROS Dual-Responsive Polymer-Drug-Based Nanocarriers: Click-Reaction Preparation and Fluorescence Imaging-Guided Chemotherapy and Photodynamic Therapy. <i>ACS Applied Bio Materials</i> , 2021, 4, 6294-6303.	2.3	9
86	Donor-Acceptor Typed AIE Luminogens with Near-infrared Emission for Super-resolution Imaging. <i>Chemical Research in Chinese Universities</i> , 2021, 37, 143-149.	1.3	9
87	Facile synthesis of ultrafine SnO <sub>2</sub> nanoparticles on graphene nanosheets via thermal decomposition of tin-octoate as anode for lithium ion batteries. <i>Journal of Nanoparticle Research</i> , 2016, 18, 1.	0.8	8
88	Molecular Insights into the Recruiting Between UCP2 and DDX5/UBAP2L in the Metabolic Plasticity of Non-Small-Cell Lung Cancer. <i>Journal of Chemical Information and Modeling</i> , 2021, 61, 3978-3987.	2.5	8
89	Amino acids and doxorubicin as building blocks for metal ion-driven self-assembly of biodegradable polyprodrugs for tumor theranostics. <i>Acta Biomaterialia</i> , 2022, 147, 245-257.	4.1	8
90	Triphenylamine cored electron-donors for solution-processed organic solar cells: From tri-armed molecules to tetra-armed molecules. <i>Dyes and Pigments</i> , 2018, 153, 291-299.	2.0	6

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91	Photochemical Behavior of High Quantum Yield SWNTs Functionalized with Anthracene Salts. Chemistry - an Asian Journal, 2010, 5, 1988-1991.	1.7	5
92	Controlled synthesis of NdF <sub>3</sub> and NaNdF <sub>4</sub> micro- or nanocrystals by one-pot microwave-assisted hydrothermal reaction. Journal of Fluorine Chemistry, 2015, 178, 286-290.	0.9	5
93	One-step synthesis of cross-linked and hollow microporous organic-inorganic hybrid nanoreactors for selective redox reactions. Nanoscale, 2019, 11, 15017-15022.	2.8	5
94	Construction polyprodrugs by click-reactions and metal-coordination: pH-responsive release for magnetic resonance imaging guided chemotherapy. Chemical Engineering Journal, 2021, 422, 130108.	6.6	5
95	Computational identification of potential chemoprophylactic agents according to dynamic behavior of peroxisome proliferator-activated receptor gamma. RSC Advances, 2021, 11, 147-159.	1.7	5
96	Synthesis and characterization of a kind of poly(3-butylthiophene methine) with azo side groups. Journal of Applied Polymer Science, 2005, 97, 1261-1265.	1.3	4
97	“Hierarchical self-assembly” of helical amylose/SWNTs complex. Science in China Series B: Chemistry, 2008, 51, 269-274.	0.8	4
98	Yolk-shell polyphosphazenes nanotheranostics for multimodal imaging guided effective phototherapy. Composites Communications, 2021, 28, 100950.	3.3	4
99	Thermal Decomposition of Photocurable Energetic APNIMMO Polymer. Propellants, Explosives, Pyrotechnics, 2021, 46, 1767.	1.0	4
100	Bindings of PPAR $\beta$ ligand-binding domain with 5-cholesten-3 $\beta$ , 25-diol, 3-sulfate: accurate prediction by molecular simulation. Journal of Biomolecular Structure and Dynamics, 2020, 38, 1918-1926.	2.0	3
101	Seeing Structural Mechanisms of Optimized Piezoelectric and Thermoelectric Bulk Materials through Structural Defect Engineering. Materials, 2022, 15, 487.	1.3	3
102	Biodegradable polyphosphazene-based nanodrug to regulate redox homeostasis for augmented chemo-photodynamic therapy. Dyes and Pigments, 2022, 199, 110095.	2.0	3
103	Recent Advances on Organic Fluorescent Probes for Stimulated Emission Depletion (STED) Microscopy. Combinatorial Chemistry and High Throughput Screening, 2021, 24, 1017-1030.	0.6	2
104	Facile fabrication of flexible concave microlens arrays with a well-controlled curvature. Materials Chemistry Frontiers, 2021, 5, 7759-7766.	3.2	1
105	Organelle Interaction and Drug Discovery: Towards Correlative Nanoscopy and Molecular Dynamics Simulation. Frontiers in Pharmacology, 0, 13, .	1.6	1
106	Mass synthesis of large, single-crystal gold nanoplates using a pyridinium-based ionic liquid. , 2008, , .		0