

# Lei Xie

## List of Publications by Year in descending order

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Version: 2024-02-01

44  
papers

1,303  
citations

304743

22  
h-index

377865

34  
g-index

46  
all docs

46  
docs citations

46  
times ranked

966  
citing authors

#	ARTICLE	IF	CITATIONS
1	Super-assembled sandwich-like Au@MSN@Ag nanomatrices for high-throughput and efficient detection of small biomolecules. <i>Nano Research</i> , 2022, 15, 2722-2733.	10.4	14
2	Interfacial Assembly of Nanowire Arrays toward Carbonaceous Mesoporous Nanorods and Superstructures. <i>Small</i> , 2022, 18, e2104477.	10.0	7
3	Interfacial assembly of functional mesoporous nanomatrices for laser desorption/ionization mass spectrometry. <i>Nano Today</i> , 2022, 42, 101365.	11.9	8
4	Kinetics-Regulated Interfacial Selective Superassembly of Asymmetric Smart Nanovehicles with Tailored Topological Hollow Architectures. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	20
5	Super-assembly of freestanding graphene oxide-aramid fiber membrane with T-mode subnanochannels for sensitive ion transport. <i>Analyst</i> , 2022, 147, 652-660.	3.5	8
6	Kinetics-Controlled Super-Assembly of Asymmetric Porous and Hollow Carbon Nanoparticles as Light-Sensitive Smart Nanovehicles. <i>Journal of the American Chemical Society</i> , 2022, 144, 1634-1646.	13.7	64
7	Interfacial Assembly of Functional Mesoporous Carbon-Based Materials into Films for Batteries and Electrocatalysis. <i>Advanced Materials Interfaces</i> , 2022, 9, .	3.7	13
8	Super-Assembled Hierarchical Cellulose Aerogel-Gelatin Solid Electrolyte for Implantable and Biodegradable Zinc Ion Battery. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	48
9	Interfacial Superassembly of Mesoporous Titania Nanopillar-Arrays/Alumina Oxide Heterochannels for Light- and pH-Responsive Smart Ion Transport. <i>ACS Central Science</i> , 2022, 8, 361-369.	11.3	14
10	InnenrÄ¼cktitelbild: Kinetics-Regulated Interfacial Selective Superassembly of Asymmetric Smart Nanovehicles with Tailored Topological Hollow Architectures ( <i>Angew. Chem.</i> 12/2022). <i>Angewandte Chemie</i> , 2022, 134, .	2.0	0
11	General Synergistic Capture-Bonding Superassembly of Atomically Dispersed Catalysts on Micropore-Vacancy Frameworks. <i>Nano Letters</i> , 2022, 22, 2889-2897.	9.1	27
12	Interfacial Superassembly of Light-Responsive Mechanism-Switchable Nanomotors with Tunable Mobility and Directionality. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 15517-15528.	8.0	14
13	Superassembled Hierarchical Asymmetric Magnetic Mesoporous Nanorobots Driven by Smart Confined Catalytic Degradation. <i>Chemistry - A European Journal</i> , 2022, 28, e202200307.	3.3	2
14	Superassembly of Surface-Enriched Ru Nanoclusters from Trapping-Bonding Strategy for Efficient Hydrogen Evolution. <i>ACS Nano</i> , 2022, 16, 7993-8004.	14.6	54
15	Interfacially Super-Assembled Tyramine-Modified Mesoporous Silica-Alumina Oxide Heterochannels for Label-Free Tyrosinase Detection. <i>Analytical Chemistry</i> , 2022, 94, 2589-2596.	6.5	10
16	Superassembled Hierarchical Asymmetric Magnetic Mesoporous Nanorobots Driven by Smart Confined Catalytic Degradation. <i>Chemistry - A European Journal</i> , 2022, 28, e202201278.	3.3	2
17	Super-Assembled Chiral Mesostructured Heteromembranes for Smart and Sensitive Couple-Accelerated Enantioseparation. <i>Journal of the American Chemical Society</i> , 2022, 144, 13794-13805.	13.7	22
18	pH-Cated Activation of Gene Transcription and Translation in Biocatalytic Metal-Organic Framework Artificial Cells. <i>Advanced NanoBiomed Research</i> , 2021, 1, 2000034.	3.6	11

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19	Implantable and Biodegradable Micro-Supercapacitor Based on a Superassembled Three-Dimensional Network Zn@PPy Hybrid Electrode. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 8285-8293.	8.0	92
20	Interfacial Super-Assembly of Ordered Mesoporous Silica-Alumina Heterostructure Membranes with pH-Sensitive Properties for Osmotic Energy Harvesting. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 8782-8793.	8.0	44
21	Interfacially Super-Assembled Asymmetric and H <sub>2</sub> O <sub>2</sub> Sensitive Multilayered Sandwich Magnetic Mesoporous Silica Nanomotors for Detecting and Removing Heavy Metal Ions. <i>Advanced Functional Materials</i> , 2021, 31, 2010694.	14.9	49
22	Interfacial Super-Assembly of T <sub>1</sub> Mode Janus Porous Heterochannels from Layered Graphene and Aluminum Oxide Array for Smart Oriented Ion Transportation. <i>Small</i> , 2021, 17, e2100141.	10.0	30
23	Recent Advances in Heterosilica-Based Micro/Nanomotors: Designs, Biomedical Applications, and Future Perspectives. <i>Chemistry of Materials</i> , 2021, 33, 3022-3046.	6.7	30
24	Ligand-Mediated Spatially Controllable Superassembly of Asymmetric Hollow Nanotadpoles with Fine-Tunable Cavity as Smart H <sub>2</sub> O <sub>2</sub> -Sensitive Nanoswimmers. <i>ACS Nano</i> , 2021, 15, 11451-11460.	14.6	24
25	Sequential Superassembly of Nanofiber Arrays to Carbonaceous Ordered Mesoporous Nanowires and Their Heterostructure Membranes for Osmotic Energy Conversion. <i>Journal of the American Chemical Society</i> , 2021, 143, 6922-6932.	13.7	61
26	Super-Assembled Hierarchical CoO Nanosheets-Cu Foam Composites as Multi-Level Hosts for High-Performance Lithium Metal Anodes. <i>Small</i> , 2021, 17, e2101301.	10.0	33
27	Interfacial Super-Assembly of Nanofluidic Heterochannels from Layered Graphene and Alumina Oxide Arrays for Label-Free Histamine-Specific Detection. <i>Analytical Chemistry</i> , 2021, 93, 2982-2987.	6.5	20
28	Super-assembled silica nanoprobe for intracellular Zn(II) sensing and reperfusion injury treatment through <i>in situ</i> MOF crystallization. <i>Analyst</i> , 2021, 146, 6788-6797.	3.5	5
29	Interfacial Super-Assembly of Ordered Mesoporous Carbon-Silica/AO Hybrid Membrane with Enhanced Permselectivity for Temperature- and pH-Sensitive Smart Ion Transport. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 26167-26176.	13.8	58
30	Interfacial Super-Assembly of Ordered Mesoporous Carbon-Silica/AO Hybrid Membrane with Enhanced Permselectivity for Temperature- and pH-Sensitive Smart Ion Transport. <i>Angewandte Chemie</i> , 2021, 133, 26371-26380.	2.0	12
31	Super-Assembled Periodic Mesoporous Organosilica Frameworks for Real-Time Hypoxia-Triggered Drug Release and Monitoring. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 50246-50257.	8.0	11
32	Laser Cladding Induced Spherical Graphitic Phases by Super-Assembly of Graphene-Like Microstructures and the Antifriction Behavior. <i>ACS Central Science</i> , 2021, 7, 318-326.	11.3	8
33	Biomass-derived ordered mesoporous carbon nano-ellipsoid encapsulated metal nanoparticles inside: ideal nanoreactors for shape-selective catalysis. <i>Chemical Communications</i> , 2020, 56, 229-232.	4.1	40
34	Biocatalytic metal-organic framework nanomotors for active water decontamination. <i>Chemical Communications</i> , 2020, 56, 14837-14840.	4.1	34
35	Super-assembled core-shell mesoporous silica-metal-phenolic network nanoparticles for combinatorial photothermal therapy and chemotherapy. <i>Nano Research</i> , 2020, 13, 1013-1019.	10.4	69
36	Annular Mesoporous Carbonaceous Nanospheres from Biomass-Derived Building Units with Enhanced Biological Interactions. <i>Chemistry of Materials</i> , 2019, 31, 7186-7191.	6.7	28

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37	Kinetics-controlled synthesis of hierarchically porous materials with tunable properties from diverse building blocks. <i>Carbon</i> , 2019, 155, 611-617.	10.3	16
38	Carbon vacancy defect-activated Pt cluster for hydrogen generation. <i>Journal of Materials Chemistry A</i> , 2019, 7, 15364-15370.	10.3	57
39	Recent advances in the synthesis and applications of anisotropic carbon and silica-based nanoparticles. <i>Nano Research</i> , 2019, 12, 1267-1278.	10.4	30
40	Sustainable and scalable synthesis of monodisperse carbon nanospheres and their derived superstructures. <i>Green Chemistry</i> , 2018, 20, 4596-4601.	9.0	31
41	Cooperative Assembly of Asymmetric Carbonaceous Bivalve-Like Superstructures from Multiple Building Blocks. <i>Research</i> , 2018, 2018, 5807980.	5.7	23
42	Sustainable and scalable production of monodisperse and highly uniform colloidal carbonaceous spheres using sodium polyacrylate as the dispersant. <i>Chemical Communications</i> , 2014, 50, 12633-12636.	4.1	64
43	An Efficient Way To Introduce Hierarchical Structure into Biomass-Based Hydrothermal Carbonaceous Materials. <i>ACS Sustainable Chemistry and Engineering</i> , 2014, 2, 2435-2441.	6.7	94
44	Kinetics-Regulated Interfacial Selective Superassembly of Asymmetric Smart Nanovehicles with Tailored Topological Hollow Architectures. <i>Angewandte Chemie</i> , 0, , .	2.0	0