

# Junling Guo

## List of Publications by Year in descending order

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80  
papers

4,718  
citations

94269

37  
h-index

98622

67  
g-index

85  
all docs

85  
docs citations

85  
times ranked

5540  
citing authors

#	ARTICLE	IF	CITATIONS
1	Engineering Multifunctional Capsules through the Assembly of Metal-Phenolic Networks. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 5546-5551.	7.2	781
2	Modular assembly of superstructures from polyphenol-functionalized building blocks. <i>Nature Nanotechnology</i> , 2016, 11, 1105-1111.	15.6	337
3	Engineering robust metal-phenolic network membranes for uranium extraction from seawater. <i>Energy and Environmental Science</i> , 2019, 12, 607-614.	15.6	259
4	Light-driven fine chemical production in yeast biohybrids. <i>Science</i> , 2018, 362, 813-816.	6.0	251
5	pH-Responsive Capsules Engineered from Metal-Phenolic Networks for Anticancer Drug Delivery. <i>Small</i> , 2015, 11, 2032-2036.	5.2	216
6	One-step seeding growth of controllable Ag@Ni core-shell nanoparticles on skin collagen fiber with introduction of plant tannin and their application in high-performance microwave absorption. <i>Journal of Materials Chemistry</i> , 2012, 22, 11933.	6.7	134
7	Engineering Multifunctional Capsules through the Assembly of Metal-Phenolic Networks. <i>Angewandte Chemie</i> , 2014, 126, 5652-5657.	1.6	111
8	The role of capsule stiffness on cellular processing. <i>Chemical Science</i> , 2015, 6, 3505-3514.	3.7	109
9	Targeted Therapy against Metastatic Melanoma Based on Self-Assembled Metal-Phenolic Nanocomplexes Comprised of Green Tea Catechin. <i>Advanced Science</i> , 2019, 6, 1801688.	5.6	109
10	Modular Assembly of Biomaterials Using Polyphenols as Building Blocks. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 5578-5596.	2.6	105
11	Nanocarrier-Mediated Cytosolic Delivery of Biopharmaceuticals. <i>Advanced Functional Materials</i> , 2020, 30, 1910566.	7.8	99
12	Engineered Metal-Phenolic Capsules Show Tunable Targeted Delivery to Cancer Cells. <i>Biomacromolecules</i> , 2016, 17, 2268-2276.	2.6	89
13	Skin-inspired gelatin-based flexible bio-electronic hydrogel for wound healing promotion and motion sensing. <i>Biomaterials</i> , 2021, 276, 121026.	5.7	81
14	Superstructured mesocrystals through multiple inherent molecular interactions for highly reversible sodium ion batteries. <i>Science Advances</i> , 2021, 7, eabh3482.	4.7	74
15	A single-cell nanocoating of probiotics for enhanced amelioration of antibiotic-associated diarrhea. <i>Nature Communications</i> , 2022, 13, 2117.	5.8	74
16	Self-Assembled Nanoparticles from Phenolic Derivatives for Cancer Therapy. <i>Advanced Healthcare Materials</i> , 2017, 6, 1700467.	3.9	71
17	Facile Synthesis of Size-Controlled Silver Nanoparticles Using Plant Tannin Grafted Collagen Fiber As Reductant and Stabilizer for Microwave Absorption Application in the Whole Ku Band. <i>Journal of Physical Chemistry C</i> , 2011, 115, 23688-23694.	1.5	66
18	Ag Nanoparticle/Polydopamine-Coated Inverse Opals as Highly Efficient Catalytic Membranes. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 3250-3257.	4.0	64

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19	Lignin nano- and microparticles as template for nanostructured materials: formation of hollow metal-phenolic capsules. <i>Green Chemistry</i> , 2018, 20, 1335-1344.	4.6	64
20	Exploiting Supramolecular Interactions from Polymeric Colloids for Strong Anisotropic Adhesion between Solid Surfaces. <i>Advanced Materials</i> , 2020, 32, e1906886.	11.1	64
21	Nanostructured particles assembled from natural building blocks for advanced therapies. <i>Chemical Society Reviews</i> , 2022, 51, 4287-4336.	18.7	64
22	Influence of Ionic Strength on the Deposition of Metal-Phenolic Networks. <i>Langmuir</i> , 2017, 33, 10616-10622.	1.6	61
23	Boronate-Phenolic Network Capsules with Dual Response to Acidic pH and <i>cis</i> -Diols. <i>Advanced Healthcare Materials</i> , 2015, 4, 1796-1801.	3.9	60
24	Engineering of Living Cells with Polyphenol-Functionalized Biologically Active Nanocomplexes. <i>Advanced Materials</i> , 2020, 32, e2003492.	11.1	60
25	Nanoporous Metal-Phenolic Particles as Ultrasound Imaging Probes for Hydrogen Peroxide. <i>Advanced Healthcare Materials</i> , 2015, 4, 2170-2175.	3.9	57
26	Systemic tumour suppression via the preferential accumulation of erythrocyte-anchored chemokine-encapsulating nanoparticles in lung metastases. <i>Nature Biomedical Engineering</i> , 2021, 5, 441-454.	11.6	57
27	Synthesis of Metal Nanoparticles in Metal-Phenolic Networks: Catalytic and Antimicrobial Applications of Coated Textiles. <i>Advanced Healthcare Materials</i> , 2018, 7, 1700934.	3.9	55
28	Oral delivery of sorafenib through spontaneous formation of ionic liquid nanocomplexes. <i>Journal of Controlled Release</i> , 2020, 322, 602-609.	4.8	55
29	Continuous Metal-Organic Framework Biom mineralization on Cellulose Nanocrystals: Extrusion of Functional Composite Filaments. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 6287-6294.	3.2	49
30	Advanced X-ray Shielding Materials Enabled by the Coordination of Well-Dispersed High Atomic Number Elements in Natural Leather. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 19916-19926.	4.0	48
31	Layered self-assemblies for controlled drug delivery: A translational overview. <i>Biomaterials</i> , 2020, 242, 119929.	5.7	46
32	Skin Collagen Fiber-Biotemplated Synthesis of Size-Tunable Silver Nanoparticle-Embedded Hierarchical Intertextures with Lightweight and Highly Efficient Microwave Absorption Properties. <i>Journal of Physical Chemistry C</i> , 2012, 116, 8188-8195.	1.5	45
33	Hierarchical assembly of nanostructured coating for siRNA-based dual therapy of bone regeneration and revascularization. <i>Biomaterials</i> , 2020, 235, 119784.	5.7	45
34	Targeting Ability of Affibody-Functionalized Particles Is Enhanced by Albumin but Inhibited by Serum Coronas. <i>ACS Macro Letters</i> , 2015, 4, 1259-1263.	2.3	44
35	Versatile Loading of Diverse Cargo into Functional Polymer Capsules. <i>Advanced Science</i> , 2015, 2, 1400007.	5.6	40
36	Expression of Programmed Cell Death-Ligands in Hepatocellular Carcinoma: Correlation With Immune Microenvironment and Survival Outcomes. <i>Frontiers in Oncology</i> , 2019, 9, 883.	1.3	40

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37	Research on X-ray shielding performance of wearable Bi/Ce-natural leather composite materials. <i>Journal of Hazardous Materials</i> , 2020, 398, 122943.	6.5	39
38	Fluidized Bed Layer-by-Layer Microcapsule Formation. <i>Langmuir</i> , 2014, 30, 10028-10034.	1.6	35
39	Protein Adsorption and Coordination-Based End-Tethering of Functional Polymers on Metal-Phenolic Network Films. <i>Biomacromolecules</i> , 2019, 20, 1421-1428.	2.6	35
40	Metal-dependent inhibition of amyloid fibril formation: synergistic effects of cobalt-tannic acid networks. <i>Nanoscale</i> , 2019, 11, 1921-1928.	2.8	34
41	Cell-Conditioned Protein Coronas on Engineered Particles Influence Immune Responses. <i>Biomacromolecules</i> , 2017, 18, 431-439.	2.6	33
42	Ligand-Functionalized Poly(ethylene glycol) Particles for Tumor Targeting and Intracellular Uptake. <i>Biomacromolecules</i> , 2019, 20, 3592-3600.	2.6	31
43	Flow-Based Assembly of Layer-by-Layer Capsules through Tangential Flow Filtration. <i>Langmuir</i> , 2015, 31, 9054-9060.	1.6	30
44	Self-Assembled Metal-Phenolic Nanoparticles for Enhanced Synergistic Combination Therapy against Colon Cancer. <i>Advanced Biology</i> , 2019, 3, e1800241.	3.0	30
45	Polymer Capsules for Plaque-Targeted In Vivo Delivery. <i>Advanced Materials</i> , 2016, 28, 7703-7707.	11.1	29
46	Thermally Induced Charge Reversal of Layer-by-Layer Assembled Single-Component Polymer Films. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 7449-7455.	4.0	28
47	Synthetic Polymers for Biomedical Applications. <i>International Journal of Biomaterials</i> , 2018, 2018, 1-2.	1.1	25
48	Lightweight and Wearable X-Ray Shielding Material with Biological Structure for Low Secondary Radiation and Metabolic Saving Performance. <i>Advanced Materials Technologies</i> , 2020, 5, 2000240.	3.0	25
49	Irradiation-stable hydrous titanium oxide-immobilized collagen fibers for uranium removal from radioactive wastewater. <i>Journal of Environmental Management</i> , 2021, 283, 112001.	3.8	23
50	Porous Inorganic and Hybrid Systems for Drug Delivery: Future Promise in Combatting Drug Resistance and Translation to Botanical Applications. <i>Current Medicinal Chemistry</i> , 2019, 26, 6107-6131.	1.2	23
51	Thermoresponsive Hemostatic Hydrogel with a Biomimetic Nanostructure Constructed from Aggregated Collagen Nanofibers. <i>Biomacromolecules</i> , 2021, 22, 319-329.	2.6	21
52	Convective polymer assembly for the deposition of nanostructures and polymer thin films on immobilized particles. <i>Nanoscale</i> , 2014, 6, 13416-13420.	2.8	17
53	Synergistic Enhancement of Lung Cancer Therapy Through Nanocarrier-Mediated Sequential Delivery of Superantigen and Tyrosin Kinase Inhibitor. <i>Advanced Functional Materials</i> , 2014, 24, 5482-5492.	7.8	17
54	Collagen Peptide Provides <i>Saccharomyces cerevisiae</i> with Robust Stress Tolerance for Enhanced Bioethanol Production. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 53879-53890.	4.0	17

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55	Alloyed nanostructures integrated metal-phenolic nanoplatform for synergistic wound disinfection and revascularization. <i>Bioactive Materials</i> , 2022, 16, 95-106.	8.6	17
56	Thermal Transition of Bimetallic Metal-Phenolic Networks to Biomass-Derived Hierarchically Porous Nanofibers. <i>Chemistry - an Asian Journal</i> , 2018, 13, 972-976.	1.7	16
57	Probing transcription factor binding activity and downstream gene silencing in living cells with a DNA nanoswitch. <i>Nanoscale</i> , 2018, 10, 2034-2044.	2.8	16
58	Imparting reusable and SARS-CoV-2 inhibition properties to standard masks through metal-organic nanocoatings. <i>Journal of Hazardous Materials</i> , 2022, 431, 128441.	6.5	16
59	A Heterostructure-Built Multichambered Host Architecture Enabled by Topochemical Self-Nitridation for Rechargeable Lithiated Silicon-Polysulfide Full Battery. <i>Advanced Functional Materials</i> , 2021, 31, 2103456.	7.8	15
60	Biofilms in plant-based fermented foods: Formation mechanisms, benefits and drawbacks on quality and safety, and functionalization strategies. <i>Trends in Food Science and Technology</i> , 2021, 116, 940-953.	7.8	15
61	Collagen-based materials in reproductive medicine and engineered reproductive tissues. <i>Journal of Leather Science and Engineering</i> , 2022, 4, .	2.7	14
62	Generalizable Strategy for Engineering Protein Particles with pH-Triggered Disassembly and Recoverable Protein Functionality. <i>ACS Macro Letters</i> , 2015, 4, 160-164.	2.3	13
63	Fabrication of super-high transparent cellulose films with multifunctional performances via postmodification strategy. <i>Carbohydrate Polymers</i> , 2021, 260, 117760.	5.1	13
64	Controlling the Growth of Metal-Organic Frameworks Using Different Gravitational Forces. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 4499-4504.	1.0	12
65	Self-assembly of nanomicelles with rationally designed multifunctional building blocks for synergistic chemo-photodynamic therapy. <i>Theranostics</i> , 2022, 12, 2028-2040.	4.6	12
66	Driving forces and molecular interactions in the self-assembly of block copolymers to form fiber-like micelles. <i>Applied Physics Reviews</i> , 2022, 9, .	5.5	11
67	Natural polyphenol-based nanoengineering of collagen-constructed hemoperfusion adsorbent for the excretion of heavy metals. <i>Journal of Hazardous Materials</i> , 2022, 428, 128145.	6.5	10
68	Formation of Polyrotaxane Particles via Template Assembly. <i>Biomacromolecules</i> , 2017, 18, 2118-2127.	2.6	9
69	Unidirectional Presentation of Membrane Proteins in Nanoparticle-Supported Liposomes. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 9866-9870.	7.2	9
70	Rapid assembly of colorless antimicrobial and anti-odor coatings from polyphenols and silver. <i>Scientific Reports</i> , 2022, 12, 2071.	1.6	9
71	Engineered liver-inspired collagen matrix as a high-performance hemoperfusion adsorbent for bilirubin removal. <i>Chemical Engineering Journal</i> , 2021, 426, 130791.	6.6	8
72	Collagen peptide provides <i>Streptomyces coelicolor</i> CGMCC 4.7172 with abundant precursors for enhancing undecylprodigiosin production. <i>Journal of Leather Science and Engineering</i> , 2021, 3, .	2.7	7

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73	Plant factory technology lights up urban horticulture in the post-coronavirus world. Horticulture Research, 2022, 9, .	2.9	6
74	Engineering microparticles based on solidified stem cell secretome with an augmented pro-angiogenic factor portfolio for therapeutic angiogenesis. Bioactive Materials, 2022, 17, 526-541.	8.6	5
75	Self-Assembly: Targeted Therapy against Metastatic Melanoma Based on Self-Assembled Metal-Phenolic Nanocomplexes Comprised of Green Tea Catechin (Adv. Sci. 5/2019). Advanced Science, 2019, 6, 1970028.	5.6	2
76	Titelbild: Engineering Multifunctional Capsules through the Assembly of Metal-Phenolic Networks (Angew. Chem. 22/2014). Angewandte Chemie, 2014, 126, 5579-5579.	1.6	1
77	Metal-Phenolic Nanoparticles: Self-Assembled Metal-Phenolic Nanoparticles for Enhanced Synergistic Combination Therapy against Colon Cancer (Adv. Biosys. 2/2019). Advanced Biology, 2019, 3, 1970022.	3.0	1
78	Unidirectional Presentation of Membrane Proteins in Nanoparticle-Supported Liposomes. Angewandte Chemie, 2019, 131, 9971-9975.	1.6	0
79	Titelbild: Unidirectional Presentation of Membrane Proteins in Nanoparticle-Supported Liposomes (Angew. Chem. 29/2019). Angewandte Chemie, 2019, 131, 10114-10114.	1.6	0
80	A Heterostructure-Built Multichambered Host Architecture Enabled by Topochemical Self-Nitridation for Rechargeable Lithiated Silicon-Polysulfide Full Battery (Adv. Funct. Mater. 41/2021). Advanced Functional Materials, 2021, 31, 2170306.	7.8	0