List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Engineering Multifunctional Capsules through the Assembly of Metal–Phenolic Networks. Angewandte Chemie - International Edition, 2014, 53, 5546-5551.	13.8	781
2	Modular assembly of superstructures from polyphenol-functionalized building blocks. Nature Nanotechnology, 2016, 11, 1105-1111.	31.5	337
3	Engineering robust metal–phenolic network membranes for uranium extraction from seawater. Energy and Environmental Science, 2019, 12, 607-614.	30.8	259
4	Light-driven fine chemical production in yeast biohybrids. Science, 2018, 362, 813-816.	12.6	251
5	pH-Responsive Capsules Engineered from Metal-Phenolic Networks for Anticancer Drug Delivery. Small, 2015, 11, 2032-2036.	10.0	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. Journal of Materials Chemistry, 2012, 22, 11933.	6.7	134
7	Engineering Multifunctional Capsules through the Assembly of Metal–Phenolic Networks. Angewandte Chemie, 2014, 126, 5652-5657.	2.0	111
8	The role of capsule stiffness on cellular processing. Chemical Science, 2015, 6, 3505-3514.	7.4	109
9	Targeted Therapy against Metastatic Melanoma Based on Selfâ€Assembled Metalâ€Phenolic Nanocomplexes Comprised of Green Tea Catechin. Advanced Science, 2019, 6, 1801688.	11.2	109
10	Modular Assembly of Biomaterials Using Polyphenols as Building Blocks. ACS Biomaterials Science and Engineering, 2019, 5, 5578-5596.	5.2	105
11	Nanocarrierâ€Mediated Cytosolic Delivery of Biopharmaceuticals. Advanced Functional Materials, 2020, 30, 1910566.	14.9	99
12	Engineered Metal-Phenolic Capsules Show Tunable Targeted Delivery to Cancer Cells. Biomacromolecules, 2016, 17, 2268-2276.	5.4	89
13	Skin-inspired gelatin-based flexible bio-electronic hydrogel for wound healing promotion and motion sensing. Biomaterials, 2021, 276, 121026.	11.4	81
14	Superstructured mesocrystals through multiple inherent molecular interactions for highly reversible sodium ion batteries. Science Advances, 2021, 7, eabh3482.	10.3	74
15	A single-cell nanocoating of probiotics for enhanced amelioration of antibiotic-associated diarrhea. Nature Communications, 2022, 13, 2117.	12.8	74
16	Selfâ€Assembled Nanoparticles from Phenolic Derivatives for Cancer Therapy. Advanced Healthcare Materials, 2017, 6, 1700467.	7.6	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. Journal of Physical Chemistry C, 2011, 115, 23688-23694.	3.1	66
18	Ag Nanoparticle/Polydopamine-Coated Inverse Opals as Highly Efficient Catalytic Membranes. ACS Applied Materials & Interfaces, 2016, 8, 3250-3257.	8.0	64

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19	Lignin nano- and microparticles as template for nanostructured materials: formation of hollow metal-phenolic capsules. Green Chemistry, 2018, 20, 1335-1344.	9.0	64
20	Exploiting Supramolecular Interactions from Polymeric Colloids for Strong Anisotropic Adhesion between Solid Surfaces. Advanced Materials, 2020, 32, e1906886.	21.0	64
21	Nanostructured particles assembled from natural building blocks for advanced therapies. Chemical Society Reviews, 2022, 51, 4287-4336.	38.1	64
22	Influence of Ionic Strength on the Deposition of Metal–Phenolic Networks. Langmuir, 2017, 33, 10616-10622.	3.5	61
23	Boronate–Phenolic Network Capsules with Dual Response to Acidic pH and <i>cis</i> â€Điols. Advanced Healthcare Materials, 2015, 4, 1796-1801.	7.6	60
24	Engineering of Living Cells with Polyphenolâ€Functionalized Biologically Active Nanocomplexes. Advanced Materials, 2020, 32, e2003492.	21.0	60
25	Nanoporous Metal–Phenolic Particles as Ultrasound Imaging Probes for Hydrogen Peroxide. Advanced Healthcare Materials, 2015, 4, 2170-2175.	7.6	57
26	Systemic tumour suppression via the preferential accumulation of erythrocyte-anchored chemokine-encapsulating nanoparticles in lung metastases. Nature Biomedical Engineering, 2021, 5, 441-454.	22.5	57
27	Synthesis of Metal Nanoparticles in Metalâ€Phenolic Networks: Catalytic and Antimicrobial Applications of Coated Textiles. Advanced Healthcare Materials, 2018, 7, 1700934.	7.6	55
28	Oral delivery of sorafenib through spontaneous formation of ionic liquid nanocomplexes. Journal of Controlled Release, 2020, 322, 602-609.	9.9	55
29	Continuous Metal–Organic Framework Biomineralization on Cellulose Nanocrystals: Extrusion of Functional Composite Filaments. ACS Sustainable Chemistry and Engineering, 2019, 7, 6287-6294.	6.7	49
30	Advanced X-ray Shielding Materials Enabled by the Coordination of Well-Dispersed High Atomic Number Elements in Natural Leather. ACS Applied Materials & Interfaces, 2020, 12, 19916-19926.	8.0	48
31	Layered self-assemblies for controlled drug delivery: A translational overview. Biomaterials, 2020, 242, 119929.	11.4	46
32	Skin Collagen Fiber-Biotemplated Synthesis of Size-Tunable Silver Nanoparticle-Embedded Hierarchical Intertextures with Lightweight and Highly Efficient Microwave Absorption Properties. Journal of Physical Chemistry C, 2012, 116, 8188-8195.	3.1	45
33	Hierarchical assembly of nanostructured coating for siRNA-based dual therapy of bone regeneration and revascularization. Biomaterials, 2020, 235, 119784.	11.4	45
34	Targeting Ability of Affibody-Functionalized Particles Is Enhanced by Albumin but Inhibited by Serum Coronas. ACS Macro Letters, 2015, 4, 1259-1263.	4.8	44
35	Versatile Loading of Diverse Cargo into Functional Polymer Capsules. Advanced Science, 2015, 2, 1400007.	11.2	40
36	Expression of Programmed Cell Death-Ligands in Hepatocellular Carcinoma: Correlation With Immune Microenvironment and Survival Outcomes. Frontiers in Oncology, 2019, 9, 883.	2.8	40

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37	Research on X-ray shielding performance of wearable Bi/Ce-natural leather composite materials. Journal of Hazardous Materials, 2020, 398, 122943.	12.4	39
38	Fluidized Bed Layer-by-Layer Microcapsule Formation. Langmuir, 2014, 30, 10028-10034.	3.5	35
39	Protein Adsorption and Coordination-Based End-Tethering of Functional Polymers on Metal–Phenolic Network Films. Biomacromolecules, 2019, 20, 1421-1428.	5.4	35
40	Metal-dependent inhibition of amyloid fibril formation: synergistic effects of cobalt–tannic acid networks. Nanoscale, 2019, 11, 1921-1928.	5.6	34
41	Cell-Conditioned Protein Coronas on Engineered Particles Influence Immune Responses. Biomacromolecules, 2017, 18, 431-439.	5.4	33
42	Ligand-Functionalized Poly(ethylene glycol) Particles for Tumor Targeting and Intracellular Uptake. Biomacromolecules, 2019, 20, 3592-3600.	5.4	31
43	Flow-Based Assembly of Layer-by-Layer Capsules through Tangential Flow Filtration. Langmuir, 2015, 31, 9054-9060.	3.5	30
44	Selfâ€Assembled Metalâ€Phenolic Nanoparticles for Enhanced Synergistic Combination Therapy against Colon Cancer. Advanced Biology, 2019, 3, e1800241.	3.0	30
45	Polymer Capsules for Plaqueâ€Targeted In Vivo Delivery. Advanced Materials, 2016, 28, 7703-7707.	21.0	29
46	Thermally Induced Charge Reversal of Layer-by-Layer Assembled Single-Component Polymer Films. ACS Applied Materials & Interfaces, 2016, 8, 7449-7455.	8.0	28
47	Synthetic Polymers for Biomedical Applications. International Journal of Biomaterials, 2018, 2018, 1-2.	2.4	25
48	Lightweight and Wearable Xâ€Ray Shielding Material with Biological Structure for Low Secondary Radiation and Metabolic Saving Performance. Advanced Materials Technologies, 2020, 5, 2000240.	5.8	25
49	Irradiation-stable hydrous titanium oxide-immobilized collagen fibers for uranium removal from radioactive wastewater. Journal of Environmental Management, 2021, 283, 112001.	7.8	23
50	Porous Inorganic and Hybrid Systems for Drug Delivery: Future Promise in Combatting Drug Resistance and Translation to Botanical Applications. Current Medicinal Chemistry, 2019, 26, 6107-6131.	2.4	23
51	Thermoresponsive Hemostatic Hydrogel with a Biomimetic Nanostructure Constructed from Aggregated Collagen Nanofibers. Biomacromolecules, 2021, 22, 319-329.	5.4	21
52	Convective polymer assembly for the deposition of nanostructures and polymer thin films on immobilized particles. Nanoscale, 2014, 6, 13416-13420.	5.6	17
53	Synergistic Enhancement of Lung Cancer Therapy Through Nanocarrierâ€Mediated Sequential Delivery of Superantigen and Tyrosin Kinase Inhibitor. Advanced Functional Materials, 2014, 24, 5482-5492. ————————————————————————————————————	14.9	17
54	Collagen Peptide Provides <i>Saccharomyces cerevisiae</i> with Robust Stress Tolerance for Enhanced Bioethanol Production. ACS Applied Materials & Interfaces, 2020, 12, 53879-53890.	8.0	17

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55	Alloyed nanostructures integrated metal-phenolic nanoplatform for synergistic wound disinfection and revascularization. Bioactive Materials, 2022, 16, 95-106.	15.6	17
56	Thermal Transition of Bimetallic Metal–Phenolic Networks to Biomassâ€Đerived Hierarchically Porous Nanofibers. Chemistry - an Asian Journal, 2018, 13, 972-976.	3.3	16
57	Probing transcription factor binding activity and downstream gene silencing in living cells with a DNA nanoswitch. Nanoscale, 2018, 10, 2034-2044.	5.6	16
58	Imparting reusable and SARS-CoV-2 inhibition properties to standard masks through metal-organic nanocoatings. Journal of Hazardous Materials, 2022, 431, 128441.	12.4	16
59	A Heterostructureâ€Inâ€Built Multichambered Host Architecture Enabled by Topochemical Selfâ€Nitridation for Rechargeable Lithiated Siliconâ€Polysulfide Full Battery. Advanced Functional Materials, 2021, 31, 2103456.	14.9	15
60	Biofilms in plant-based fermented foods: Formation mechanisms, benefits and drawbacks on quality and safety, and functionalization strategies. Trends in Food Science and Technology, 2021, 116, 940-953.	15.1	15
61	Collagen-based materials in reproductive medicine and engineered reproductive tissues. Journal of Leather Science and Engineering, 2022, 4, .	6.0	14
62	Generalizable Strategy for Engineering Protein Particles with pH-Triggered Disassembly and Recoverable Protein Functionality. ACS Macro Letters, 2015, 4, 160-164.	4.8	13
63	Fabrication of super-high transparent cellulose films with multifunctional performances via postmodification strategy. Carbohydrate Polymers, 2021, 260, 117760.	10.2	13
64	Controlling the Growth of Metal-Organic Frameworks Using Different Gravitational Forces. European Journal of Inorganic Chemistry, 2016, 2016, 4499-4504.	2.0	12
65	Self-assembly of nanomicelles with rationally designed multifunctional building blocks for synergistic chemo-photodynamic therapy. Theranostics, 2022, 12, 2028-2040.	10.0	12
66	Driving forces and molecular interactions in the self-assembly of block copolymers to form fiber-like micelles. Applied Physics Reviews, 2022, 9, .	11.3	11
67	Natural polyphenol-based nanoengineering of collagen-constructed hemoperfusion adsorbent for the excretion of heavy metals. Journal of Hazardous Materials, 2022, 428, 128145.	12.4	10
68	Formation of Polyrotaxane Particles via Template Assembly. Biomacromolecules, 2017, 18, 2118-2127.	5.4	9
69	Unidirectional Presentation of Membrane Proteins in Nanoparticle‣upported Liposomes. Angewandte Chemie - International Edition, 2019, 58, 9866-9870.	13.8	9
70	Rapid assembly of colorless antimicrobial and anti-odor coatings from polyphenols and silver. Scientific Reports, 2022, 12, 2071.	3.3	9
71	Engineered liver-inspired collagen matrix as a high-performance hemoperfusion adsorbent for bilirubin removal. Chemical Engineering Journal, 2021, 426, 130791.	12.7	8
72	Collagen peptide provides Streptomyces coelicolor CGMCC 4.7172 with abundant precursors for enhancing undecylprodigiosin production. Journal of Leather Science and Engineering, 2021, 3, .	6.0	7

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73	Plant factory technology lights up urban horticulture in the post-coronavirus world. Horticulture Research, 2022, 9, .	6.3	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.	15.6	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.	11.2	2
76	Titelbild: Engineering Multifunctional Capsules through the Assembly of Metal-Phenolic Networks (Angew. Chem. 22/2014). Angewandte Chemie, 2014, 126, 5579-5579.	2.0	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 Nanoparticleâ€ s upported Liposomes. Angewandte Chemie, 2019, 131, 9971-9975.	2.0	0
79	Rücktitelbild: Unidirectional Presentation of Membrane Proteins in Nanoparticle‣upported Liposomes (Angew. Chem. 29/2019). Angewandte Chemie, 2019, 131, 10114-10114.	2.0	0
80	A Heterostructureâ€Inâ€Built Multichambered Host Architecture Enabled by Topochemical Selfâ€Nitridation for Rechargeable Lithiated Siliconâ€Polysulfide Full Battery (Adv. Funct. Mater. 41/2021). Advanced Functional Materials, 2021, 31, 2170306.	14.9	0