

Cell-in-Shell Hybrids: Chemical Nanoencapsulation of I

Accounts of Chemical Research

49, 792-800

DOI: [10.1021/acs.accounts.6b00087](https://doi.org/10.1021/acs.accounts.6b00087)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Cytocompatible Polymer Grafting from Individual Living Cells by Atomâ€Transfer Radical Polymerization. <i>Angewandte Chemie</i> , 2016, 128, 15532-15535.	2.0	11
2	Turning Diamagnetic Microbes into Multinary Micro-Magnets: Magnetophoresis and Spatio-Temporal Manipulation of Individual Living Cells. <i>Scientific Reports</i> , 2016, 6, 38517.	3.3	25
3	Artificial Spores: Cytocompatible Coating of Living Cells with Plantâ€Derived Pyrogallol. <i>Chemistry - an Asian Journal</i> , 2016, 11, 3183-3187.	3.3	25
4	Cytocompatible Polymer Grafting from Individual Living Cells by Atomâ€Transfer Radical Polymerization. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 15306-15309.	13.8	114
5	Multifunctionality of Silicified Nanoshells at Cell Interfaces of <i>Oryza sativa</i> . <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 6792-6799.	6.7	29
6	Nanoshell Assembly for Magnet-Responsive Oil-Degrading Bacteria. <i>Langmuir</i> , 2016, 32, 12552-12558.	3.5	60
7	Silica-based systems for oral delivery of drugs, macromolecules and cells. <i>Advances in Colloid and Interface Science</i> , 2017, 249, 346-362.	14.7	114
8	Nanoencapsulation of individual mammalian cells with cytoprotective polymer shell. <i>Biomaterials</i> , 2017, 133, 253-262.	11.4	48
9	Biphasic Supramolecular Selfâ€Assembly of Ferric Ions and Tannic Acid across Interfaces for Nanofilm Formation. <i>Advanced Materials</i> , 2017, 29, 1700784.	21.0	93
10	Chemically individual armoured bioreporter bacteria used for the in vivo sensing of ultra-trace toxic metal ions. <i>Chemical Communications</i> , 2017, 53, 8415-8418.	4.1	6
11	Cytoprotective Encapsulation of Individual Jurkat T Cells within Durable TiO ₂ Shells for Tâ€Cell Therapy. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 10702-10706.	13.8	74
12	Polydopamine nanocoated whole-cell asymmetric biocatalysts. <i>Chemical Communications</i> , 2017, 53, 6617-6620.	4.1	37
13	Cytoprotective Encapsulation of Individual Jurkat T Cells within Durable TiO ₂ Shells for Tâ€Cell Therapy. <i>Angewandte Chemie</i> , 2017, 129, 10842-10846.	2.0	14
14	Formation of Turmeric-Based Thin Films: Universal, Transparent Coatings. <i>Langmuir</i> , 2017, 33, 3639-3646.	3.5	16
15	Three-Dimensional Encapsulation of <i>Saccharomyces cerevisiae</i> in Silicate Matrices Creates Distinct Metabolic States as Revealed by Gene Chip Analysis. <i>ACS Nano</i> , 2017, 11, 3560-3575.	14.6	17
16	Metal-phenolic networks as a versatile platform to engineer nanomaterials and biointerfaces. <i>Nano Today</i> , 2017, 12, 136-148.	11.9	411
17	Manganese Dioxide Nanozymes as Responsive Cytoprotective Shells for Individual Living Cell Encapsulation. <i>Angewandte Chemie</i> , 2017, 129, 13849-13853.	2.0	16
18	Manganese Dioxide Nanozymes as Responsive Cytoprotective Shells for Individual Living Cell Encapsulation. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 13661-13665.	13.8	196

#	ARTICLE	IF	CITATIONS
19	Control over Silica Particle Growth and Particleâ€“Biomolecule Interactions Facilitates Silica Encapsulation of Mammalian Cells with Thickness Control. ACS Biomaterials Science and Engineering, 2017, 3, 2098-2109.	5.2	3
20	Antimicrobial spray nanocoating of supramolecular Fe(III)-tannic acid metal-organic coordination complex: applications to shoe insoles and fruits. Scientific Reports, 2017, 7, 6980.	3.3	75
21	Use of Tethered Hydrogel Microcoatings for Mesenchymal Stem Cell Equilibrium, Differentiation, and Selfâ€“Organization into Microtissues. Advanced Biology, 2017, 1, e1700116.	3.0	3
22	Magnetization of individual yeast cells by in situ formation of iron oxide on cell surfaces. Solid State Sciences, 2017, 71, 29-32.	3.2	6
23	Branched Gold Nanoparticle Coating of <i>Clostridium novyi</i> â€“NT Spores for CTâ€“Guided Intratumoral Injection. Small, 2017, 13, 1602722.	10.0	44
24	Self-assembly of inorganic nanoparticles: Ab ovo. Europhysics Letters, 2017, 119, 66008.	2.0	22
25	Artificial Spores: Immunoprotective Nanocoating of Red Blood Cells with Supramolecular Ferric Ion-Tannic Acid Complex. Polymers, 2017, 9, 140.	4.5	48
26	Development of Freezeâ€“Resistant Aluminum Surfaces by Tannic Acid Coating and Subsequent Immobilization of Antifreeze Proteins. Bulletin of the Korean Chemical Society, 2018, 39, 559-562.	1.9	5
27	Controlling the Growth of Staphylococcus epidermidis by Layer-By-Layer Encapsulation. ACS Applied Materials & Interfaces, 2018, 10, 16250-16259.	8.0	23
28	Layer-by-layer assembly of nanorods on a microsphere <i>via</i> electrostatic interactions. Soft Matter, 2018, 14, 4541-4550.	2.7	12
29	<i>Shewanella oneidensis</i> as a living electrode for controlled radical polymerization. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 4559-4564.	7.1	68
30	Strategic Advances in Formation of Cellâ€“inâ€“Shell Structures: From Syntheses to Applications. Advanced Materials, 2018, 30, e1706063.	21.0	102
31	Targeted and theranostic applications for nanotechnologies in medicine. , 2018, , 399-511.		7
32	Physical Biology of the Materialsâ€“Microorganism Interface. Journal of the American Chemical Society, 2018, 140, 1978-1985.	13.7	115
33	In Situ Selfâ€“Assembly of Coacervate Microdroplets into Viable Artificial Cell Wall with Heritability. Advanced Functional Materials, 2018, 28, 1705699.	14.9	26
34	Concise Review: Fabrication, Customization, and Application of Cell Mimicking Microparticles in Stem Cell Science. Stem Cells Translational Medicine, 2018, 7, 232-240.	3.3	15
35	Single cells in nanoshells for the functionalization of living cells. Nanoscale, 2018, 10, 3112-3129.	5.6	66
36	A bilayered nanoshell for durable protection of single yeast cells against multiple, simultaneous hostile stimuli. Chemical Science, 2018, 9, 4730-4735.	7.4	23

#	ARTICLE	IF	CITATIONS
37	Mussel-Inspired Self-Healing Double-Cross-Linked Hydrogels by Controlled Combination of Metal Coordination and Covalent Cross-Linking. <i>Biomacromolecules</i> , 2018, 19, 1402-1409.	5.4	95
38	Cationic Polymers for Coating Living Cells. <i>Macromolecular Research</i> , 2018, 26, 1185-1192.	2.4	9
39	Iron Gall Ink Revisited: In Situ Oxidation of Fe(II)-Tannin Complex for Fluidic Interface Engineering. <i>Advanced Materials</i> , 2018, 30, e1805091.	21.0	65
40	Artificial Spores: Bioinspired Architecture of Living Cells with Cytocompatible Nanoshells. <i>Bulletin of the Korean Chemical Society</i> , 2018, 39, 845-846.	1.9	0
41	Cell Surface Engineering for Advanced Cell Therapy. <i>Chemistry - A European Journal</i> , 2018, 24, 15725-15743.	3.3	24
42	Enzymatic film formation of nature-derived phenolic amines. <i>Nanoscale</i> , 2018, 10, 13351-13355.	5.6	29
43	Cloaked Exosomes: Biocompatible, Durable, and Degradable Encapsulation. <i>Small</i> , 2018, 14, e1802052.	10.0	41
44	Therapeutic Potential of Biom mineralization-Based Engineering. <i>Advanced Therapeutics</i> , 2018, 1, 1800079.	3.2	18
45	Nanoarchitectonics meets cell surface engineering: shape recognition of human cells by halloysite-doped silica cell imprints. <i>Beilstein Journal of Nanotechnology</i> , 2019, 10, 1818-1825.	2.8	24
46	Encapsulation of live cells by metal-organic frameworks for viability protection. <i>Science China Materials</i> , 2019, 62, 885-891.	6.3	9
47	Plant seed-inspired cell protection, dormancy, and growth for large-scale biofabrication. <i>Biofabrication</i> , 2019, 11, 025008.	7.1	23
48	Iron gall ink revisited: hierarchical formation of Fe(III)-tannic acid coacervate particles in microdroplets for protein condensation. <i>Chemical Communications</i> , 2019, 55, 2142-2145.	4.1	25
49	Regulations of organism by materials: a new understanding of biological inorganic chemistry. <i>Journal of Biological Inorganic Chemistry</i> , 2019, 24, 467-481.	2.6	16
50	DNA-templated synthesis of biomimetic cell wall for nanoencapsulation and protection of mammalian cells. <i>Nature Communications</i> , 2019, 10, 2223.	12.8	64
51	Extracellular silica nanocoat formed by layer-by-layer (LBL) self-assembly confers aluminum resistance in root border cells of pea (<i>Pisum sativum</i>). <i>Journal of Nanobiotechnology</i> , 2019, 17, 53.	9.1	15
52	SupraCells: Living Mammalian Cells Protected within Functional Modular Nanoparticle-Based Exoskeletons. <i>Advanced Materials</i> , 2019, 31, e1900545.	21.0	96
53	Layer-by-Layer Assembly for Nanoarchitectonics. , 2019, , 89-121.		1
54	Enhancement of biocatalyst activity and protection against stressors using a microbial exoskeleton. <i>Scientific Reports</i> , 2019, 9, 3158.	3.3	18

#	ARTICLE	IF	CITATIONS
55	Bioinspired Metal- <i>l</i> Polyphenol Materials: Self-Healing and Beyond. <i>Biomimetics</i> , 2019, 4, 30.	3.3	43
56	Probing photodissociation dynamics using ring polymer molecular dynamics. <i>Journal of Chemical Physics</i> , 2019, 150, 114105.	3.0	6
57	Atom Transfer Radical Polymerization for Biorelated Hybrid Materials. <i>Biomacromolecules</i> , 2019, 20, 4272-4298.	5.4	69
58	Click Reaction for Reversible Encapsulation of Single Yeast Cells. <i>ACS Nano</i> , 2019, 13, 14459-14467.	14.6	41
59	Cell armor for protection against environmental stress: Advances, challenges and applications in micro- and nanoencapsulation of mammalian cells. <i>Acta Biomaterialia</i> , 2019, 95, 3-31.	8.3	50
60	Genetically Encoded Stimuli-Responsive Cytoprotective Hydrogel Capsules for Single Cells Provide Novel Genotype- <i>l</i> Phenotype Linkage. <i>Chemistry of Materials</i> , 2019, 31, 1899-1907.	6.7	18
61	Biomedical Applications of Layer- <i>l</i> Layer Self- <i>l</i> Assembly for Cell Encapsulation: Current Status and Future Perspectives. <i>Advanced Healthcare Materials</i> , 2019, 8, e1800939.	7.6	93
62	Bacterial nanoencapsulation with cytocompatible atom transfer radical polymerization for improved Cr(VI) removal. <i>Chemical Engineering Journal</i> , 2020, 387, 124068.	12.7	6
63	A thin hydrogel barrier linked onto cell surface sialic acids through covalent bonds induces cancer cell death <i>in vivo</i> . <i>Biomaterials Science</i> , 2020, 8, 577-585.	5.4	8
64	Biofunctionalized nanomaterials for in situ clean-up of hydrocarbon contamination: A quantum jump in global bioremediation research. <i>Journal of Environmental Management</i> , 2020, 256, 109913.	7.8	35
65	Ascorbic acid-mediated reductive disassembly of Fe ³⁺ -tannic acid shells in degradable single-cell nanoencapsulation. <i>Chemical Communications</i> , 2020, 56, 13748-13751.	4.1	26
66	Metal-organic frameworks (MOFs) for biopreservation: From biomacromolecules, living organisms to biological devices. <i>Nano Today</i> , 2020, 35, 100985.	11.9	69
67	Single cell electron collectors for highly efficient wiring-up electronic abiotic/biotic interfaces. <i>Nature Communications</i> , 2020, 11, 4087.	12.8	114
68	Polymer-chlorella cells conjugating with aggregation-induced functionality switch towards hydrogen evolution. <i>Science China Technological Sciences</i> , 2020, 63, 1416-1425.	4.0	10
69	Fabrication and Characterization of Neurocompatible Ulvan-Based Layer-by-Layer Films. <i>Langmuir</i> , 2020, 36, 11610-11617.	3.5	12
70	Cytoprotective Coating of <i>l</i> HeLa <i>l</i> Cells with Titanium Dioxide. <i>Bulletin of the Korean Chemical Society</i> , 2020, 41, 851-855.	1.9	3
71	Synthesis and Characterization of Silk Ionomers for Layer-by-Layer Electrostatic Deposition on Individual Mammalian Cells. <i>Biomacromolecules</i> , 2020, 21, 2829-2843.	5.4	23
72	Cytoprotection, Genoprotection, and Dermal Exposure Assessment of Chitosan-Based Agronanofungicides. <i>Pharmaceutics</i> , 2020, 12, 497.	4.5	3

#	ARTICLE	IF	CITATIONS
73	Enzymatically degradable, starch-based layer-by-layer films: application to cytocompatible single-cell nanoencapsulation. <i>Soft Matter</i> , 2020, 16, 6063-6071.	2.7	15
74	Sol-gel Based Advanced Porous Silica Materials for Biomedical Applications. <i>Advanced Functional Materials</i> , 2020, 30, 1909539.	14.9	125
75	Self-assembly of <i>Shewanella</i> @rGO@Pd bionanohybrid for synergistic bioabiotic removal of Cr(VI). <i>Journal of Chemical Technology and Biotechnology</i> , 2020, 95, 2222-2228.	3.2	9
76	Genetic Control of Radical Cross-linking in a Semisynthetic Hydrogel. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 1375-1386.	5.2	13
77	Binding Capability and Non-biofouling Efficacy of Poly[2-(methacryloyloxy)ethyl 4-pentynoate-co-(oligo(ethylene Glycol) Methacrylate)] Films on Gold Surfaces. <i>Bulletin of the Korean Chemical Society</i> , 2020, 41, 223-226.	1.9	3
78	Astrocyte-Encapsulated Hydrogel Microfibers Enhance Neuronal Circuit Generation. <i>Advanced Healthcare Materials</i> , 2020, 9, 1901072.	7.6	9
79	Coffee Melanoidin-Based Multipurpose Film Formation: Application to Single-Cell Nanoencapsulation. <i>ChemNanoMat</i> , 2020, 6, 379-385.	2.8	16
80	Single-Cell Nanoencapsulation: From Passive to Active Shells. <i>Advanced Materials</i> , 2020, 32, e1907001.	21.0	73
81	Copper Metal Organic Polyhedron (Cu-MOP) Hydrogel as Responsive Cytoprotective Shell for Living Cell Encapsulation. <i>ACS Applied Bio Materials</i> , 2020, 3, 3268-3275.	4.6	4
82	Chitosan-Based Agronanochemicals as a Sustainable Alternative in Crop Protection. <i>Molecules</i> , 2020, 25, 1611.	3.8	118
83	Plasmonic nanoparticles assemblies templated by helical bacteria and resulting optical activity. <i>Chirality</i> , 2020, 32, 899-906.	2.6	5
84	Single-cell yolk-shell nanoencapsulation for long-term viability with size-dependent permeability and molecular recognition. <i>National Science Review</i> , 2021, 8, nwa097.	9.5	23
85	Modular Assembly of Red Blood Cell Superstructures from Metal-Organic Framework Nanoparticle-Based Building Blocks. <i>Advanced Functional Materials</i> , 2021, 31, 2005935.	14.9	28
86	A cytoprotective graphene oxide-polyelectrolytes nanoshell for single-cell encapsulation. <i>Frontiers of Chemical Science and Engineering</i> , 2021, 15, 410-420.	4.4	6
87	Bioinspired cell-in-shell systems in biomedical engineering and beyond: Comparative overview and prospects. <i>Biomaterials</i> , 2021, 266, 120473.	11.4	21
88	Towards applications of bioentities@MOFs in biomedicine. <i>Coordination Chemistry Reviews</i> , 2021, 429, 213651.	18.8	121
89	Cryptobiosis-inspired assembly of AND logic gate platform for potential tumor-specific drug delivery. <i>Acta Pharmaceutica Sinica B</i> , 2021, 11, 534-543.	12.0	8
90	Single-Cell Nanoencapsulation of <i>Saccharomyces cerevisiae</i> by Cytocompatible Layer-by-Layer Assembly of Eggshell Membrane Hydrolysate and Tannic Acid. <i>Advanced NanoBiomed Research</i> , 2021, 1, 2000037.	3.6	8

#	ARTICLE	IF	CITATIONS
91	Organismâ€Materials Integration: A Promising Strategy for Biomedical Applications. <i>Advanced NanoBiomed Research</i> , 2021, 1, 2000044.	3.6	3
92	Layer-by-layer assembly of Au and CdS nanoparticles on the surface of bacterial cells for photo-assisted bioanodes in microbial fuel cells. <i>Journal of Materials Chemistry B</i> , 2021, 9, 1638-1646.	5.8	18
93	Singleâ€Cell Nanoencapsulation of <i>Saccharomyces cerevisiae</i> by Cytocompatible Layerâ€byâ€Layer Assembly of Eggshell Membrane Hydrolysate and Tannic Acid. <i>Advanced NanoBiomed Research</i> , 2021, 1, 2170013.	3.6	1
94	Bioinspired Cell Silicification: From Extracellular to Intracellular. <i>Journal of the American Chemical Society</i> , 2021, 143, 6305-6322.	13.7	32
95	A Decade of Advances in Singleâ€Cell Nanocoating for Mammalian Cells. <i>Advanced Healthcare Materials</i> , 2021, 10, e2100347.	7.6	43
96	Thickness Enhancement of Layerâ€byâ€Layer Multilayered Films Using Counter Polyelectrolyteâ€Induced Colloidal Particles. <i>Bulletin of the Korean Chemical Society</i> , 2021, 42, 1199-1203.	1.9	0
97	Rapid Single-Step Growth of MOF Exoskeleton on Mammalian Cells for Enhanced Cytoprotection. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 3075-3081.	5.2	9
98	Coating with flexible DNA network enhanced T-cell activation and tumor killing for adoptive cell therapy. <i>Acta Pharmaceutica Sinica B</i> , 2021, 11, 1965-1977.	12.0	5
99	Polymerâ€Assisted Metallization of Mammalian Cells. <i>Advanced Materials</i> , 2021, 33, e2102348.	21.0	12
100	In Situ Strategy for Biomimetic Construction of Calcium Phosphate Mineral Shells on Microbial Cells. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 9854-9860.	6.7	8
101	Poly(β -glutamic acid) Nanocoating To Enhance the Viability of <i>Pseudomonas stutzeri</i> NRCB010 through Cell Surface Engineering. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 39957-39966.	8.0	5
102	Enzyme-mediated film formation of melanin-like species from ortho-diphenols: Application to single-cell nanoencapsulation. <i>Applied Surface Science Advances</i> , 2021, 5, 100098.	6.8	5
103	MOFs and Biomacromolecules for Biomedical Applications. , 2021, , 379-432.		0
104	Thermal regelation of single particles and particle clusters in ice. <i>Soft Matter</i> , 2021, 17, 1779-1787.	2.7	1
105	Enzyme-Mediated Kinetic Control of Fe ³⁺ â€Tannic Acid Complexation for Interface Engineering. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 52385-52394.	8.0	16
107	Preparation and Description of Magnetic Modified Colloidal Particles of Silicon Dioxide for Recognition of HeLa Cells. <i>UÅenye Zapiski Kazanskogo Gosudarstvennogo Universiteta: Serii Estestvennye Nauki</i> , 2020, 162, 557-572.	0.3	0
108	Techniques for Improving Microbial Inoculants as a Tool for Sustainable Development. , 2021, , 599-627.		1
109	Encapsulation of <i>Chlamydomonas reinhardtii</i> into a metal-phenolic network. <i>Algal Research</i> , 2022, 61, 102569.	4.6	2

#	ARTICLE	IF	CITATIONS
110	<i>In situ</i> silver nanoparticle coating of virions for quantification at single virus level. <i>Nanoscale</i> , 2022, 14, 2296-2303.	5.6	8
111	Hydrogen Bonding-Based Layer-by-Layer Assembly of Nature-Derived Eggshell Membrane Hydrolysates and Coffee Melanoidins in Single-Cell Nanoencapsulation. <i>ChemNanoMat</i> , 2022, 8, .	2.8	2
112	Encapsulation of Commensal Skin Bacteria within Membrane-In-Gel Patches. <i>Advanced Materials Interfaces</i> , 2022, 9, .	3.7	3
113	Fungal-Mineral Interactions Modulating Intrinsic Peroxidase-like Activity of Iron Nanoparticles: Implications for the Biogeochemical Cycles of Nutrient Elements and Attenuation of Contaminants. <i>Environmental Science & Technology</i> , 2022, 56, 672-680.	10.0	23
114	Nanocell hybrids for green chemistry. <i>Trends in Biotechnology</i> , 2022, 40, 974-986.	9.3	15
115	Hydrogen-Bonded Organic Framework (HOF)-Based Single-Neural Stem Cell Encapsulation and Transplantation to Remodel Impaired Neural Networks. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	41
116	Hydrogen-Bonded Organic Framework (HOF)-Based Single-Neural Stem Cell Encapsulation and Transplantation to Remodel Impaired Neural Networks. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	6
117	Biomimetic mineralization: An emerging organism engineering strategy for biomedical applications. <i>Journal of Inorganic Biochemistry</i> , 2022, 232, 111815.	3.5	18
118	A single-cell nanocoating of probiotics for enhanced amelioration of antibiotic-associated diarrhea. <i>Nature Communications</i> , 2022, 13, 2117.	12.8	74
119	Metal-organic framework-erythrocytic hybrid surfaces with enhanced oxygen reduction performance for enzymatic biofuel cells-An updated strategy. <i>Journal of Power Sources</i> , 2022, 535, 231411.	7.8	1
121	Molecular Trade-Offs between Lattice Oxygen and Oxygen Vacancy Drive Organic Pollutant Degradation in Fungal Biomineralized Exoskeletons. <i>Environmental Science & Technology</i> , 2022, 56, 8132-8141.	10.0	7
122	Cell-In-Catalytic-Shell Nanoarchitectonics: Catalytic Empowerment of Individual Living Cells by Single-Cell Nanoencapsulation. <i>Advanced Materials</i> , 2022, 34, .	21.0	20
123	The philosophy of extreme biomimetics. <i>Sustainable Materials and Technologies</i> , 2022, 32, e00447.	3.3	5
124	Sustainable colorimetric/luminescent sensors enabled by armored lipid nanoparticles. <i>Nano Convergence</i> , 2022, 9, .	12.1	2
125	Extracellular pH Monitoring of Live Single Cells in Microdroplets Using Dual-Labelled Fluorinated Silica Nanoparticles and Time-Domain Dual Lifetime Referencing. <i>Chemosensors</i> , 2022, 10, 379.	3.6	2
126	Single-cell technologies: From research to application. <i>Innovation(China)</i> , 2022, 3, 100342.	9.1	13
127	ARMOR: Auto-Assembled Resilient Biomimetic Calcified Ornaments for Selective Cell Protection by Dual-Aptamer-Driven Hybridization Chain Reaction. <i>Angewandte Chemie</i> , 2023, 135, .	2.0	0
128	ARMOR: Auto-Assembled Resilient Biomimetic Calcified Ornaments for Selective Cell Protection by Dual-Aptamer-Driven Hybridization Chain Reaction. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	13.8	8

#	ARTICLE	IF	CITATIONS
129	Cytoprotection of Probiotic <i>Lactobacillus acidophilus</i> with Artificial Nanoshells of Nature-Derived Eggshell Membrane Hydrolysates and Coffee Melanoidins in Single-Cell Nanoencapsulation. <i>Polymers</i> , 2023, 15, 1104.	4.5	5
130	Vortex-assisted, nanoarchitectonic manipulation of microparticles with flavonoid-Fe ³⁺ complex in biphasic water-oil systems. <i>Chemical Communications</i> , 2023, 59, 4612-4615.	4.1	0
131	Bioempowerment of Therapeutic Living Cells by Single-Cell Surface Engineering. <i>Advanced Therapeutics</i> , 2023, 6, .	3.2	2
132	Polymerization in living organisms. <i>Chemical Society Reviews</i> , 2023, 52, 2911-2945.	38.1	11
133	Nanoarchitectonics to entrap living cells in silica-based systems: encapsulations with yolk-shell and sepiolite nanomaterials. <i>Beilstein Journal of Nanotechnology</i> , 0, 14, 522-534.	2.8	1
134	Fugetaxis of Cell-in-Catalytic-Coat Nanobiohybrids in Glucose Gradients. <i>Small</i> , 2023, 19, .	10.0	1
135	Microalgae-material hybrid for enhanced photosynthetic energy conversion: a promising path towards carbon neutrality. <i>National Science Review</i> , 2023, 10, .	9.5	7
136	Hydrogen-bonded supramolecular crystal: A manual exoskeleton for bioentity. <i>Matter</i> , 2023, 6, 2635-2646.	10.0	1
137	Tandem-biocatalysis reactors constructed by topological evolution of CaCO ₃ particles into hollow metal hydroxide spheres. <i>Nature Communications</i> , 2023, 14, .	12.8	0
138	A Micrometric Transformer: Compositional Nanoshell Transformation of Fe ³⁺ -Trimesic Acid Complex with Concomitant Payload Release in Cell-in-Catalytic-Shell Nanobiohybrids. <i>Advanced Science</i> , 2024, 11, .	11.2	1
139	Yolk-Shell Encapsulation of Cells by Biomimetic Mineralization and Visible Light-Induced Surface Graft Polymerization. <i>Biomacromolecules</i> , 2023, 24, 6032-6040.	5.4	0
140	Scaling up of dual-chamber microbial electrochemical systems – An appraisal using systems design approach. <i>Science of the Total Environment</i> , 2024, 912, 169186.	8.0	0
141	Silicon-containing nanomedicine and biomaterials: materials chemistry, multi-dimensional design, and biomedical application. <i>Chemical Society Reviews</i> , 2024, 53, 1167-1315.	38.1	1
142	Nanoarchitectonics: the method for everything in materials science. <i>Bulletin of the Chemical Society of Japan</i> , 2024, 97, .	3.2	4
143	Organismal Function Enhancement through Biomaterial Intervention. <i>Nanomaterials</i> , 2024, 14, 377.	4.1	0