Gregor Fuhrmann

List of Publications by Year
in descending order

161 papers	20,734 citations	26610 56 h-index	10724 138 g-index
171 all docs	171 docs citations	171 times ranked	28634 citing authors

#	Article	IF	Citations
1	Minimal information for studies of extracellular vesicles 2018 (MISEV2018): a position statement of the International Society for Extracellular Vesicles and update of the MISEV2014 guidelines. Journal of Extracellular Vesicles, 2018, 7, 1535750.	5.5	6,961
2	Exploring and Engineering the Cell Surface Interface. Science, 2005, 310, 1135-1138.	6.0	2,383
3	Complexity in biomaterials for tissue engineering. Nature Materials, 2009, 8, 457-470.	13.3	1,495
4	Extracellular vesicles as a next-generation drug delivery platform. Nature Nanotechnology, 2021, 16, 748-759.	15.6	761
5	Active loading into extracellular vesicles significantly improves the cellular uptake and photodynamic effect of porphyrins. Journal of Controlled Release, 2015, 205, 35-44.	4.8	511
6	Re-Engineering Extracellular Vesicles as Smart Nanoscale Therapeutics. ACS Nano, 2017, 11, 69-83.	7.3	432
7	Nano-analytical electron microscopy reveals fundamental insights into human cardiovascular tissue calcification. Nature Materials, 2013, 12, 576-583.	13.3	228
8	Material Cues as Potent Regulators of Epigenetics and Stem Cell Function. Cell Stem Cell, 2016, 18, 39-52.	5.2	222
9	Designing Regenerative Biomaterial Therapies for the Clinic. Science Translational Medicine, 2012, 4, 160sr4.	5.8	212
10	Extracellular Vesiclesâ€”Connecting Kingdoms. International Journal of Molecular Sciences, 2019, 20, 5695.	1.8	177
11	A conducting polymer with enhanced electronic stability applied in cardiac models. Science Advances, 2016, 2, e1601007.	4.7	173
12	Biodegradable Nanoneedles for Localized Delivery of Nanoparticles <i>in Vivo:</i> Exploring the Biointerface. ACS Nano, 2015, 9, 5500-5509.	7.3	171
13	Strategic design of extracellular vesicle drug delivery systems. Advanced Drug Delivery Reviews, 2018, 130, 12-16.	6.6	171
14	Auxetic Cardiac Patches with Tunable Mechanical and Conductive Properties toward Treating Myocardial Infarction. Advanced Functional Materials, 2018, 28, 1800618.	7.8	167
15	Highâ€Aspectâ€Ratio Nanostructured Surfaces as Biological Metamaterials. Advanced Materials, 2020, 32, e1903862.	11.1	161
16	Expanding and optimizing 3D bioprinting capabilities using complementary network bioinks. Science Advances, 2020, 6, .	4.7	156
17	Cell-geometry-dependent changes in plasma membrane order direct stem cell signalling and fate. Nature Materials, 2018, 17, 237-242.	13.3	152
18	Tailoring Gelation Mechanisms for Advanced Hydrogel Applications. Advanced Functional Materials, 2020, 30, 2002759.	7.8	148

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19	Raman spectroscopy and regenerative medicine: a review. Npj Regenerative Medicine, 2017, 2, 12.	2.5	147
20	Physical stimuli-responsive vesicles in drug delivery: Beyond liposomes and polymersomes. Advanced Drug Delivery Reviews, 2019, 138, 259-275.	6.6	146
21	Tumor matrix stiffness promotes metastatic cancer cell interaction with the endothelium. EMBO Journal, 2017, 36, 2373-2389.	3.5	144
22	Engineering Anisotropic Muscle Tissue using Acoustic Cell Patterning. Advanced Materials, 2018, 30, e1802649.	11.1	140
23	Collagen-mimetic peptide-modifiable hydrogels for articular cartilage regeneration. Biomaterials, 2015, 54, 213-225.	5.7	139
24	Cell-derived vesicles for drug therapy and diagnostics: Opportunities and challenges. Nano Today, 2015, 10, 397-409.	6.2	124
25	Molecular clutch drives cell response to surface viscosity. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 1192-1197.	3.3	115
26	Tissue Engineering and Regenerative Medicine: A Year in Review. Tissue Engineering - Part B: Reviews, 2014, 20, 1-16.	2.5	111
27	Quantitative volumetric Raman imaging of three dimensional cell cultures. Nature Communications, 2017, 8, 14843.	5.8	109
28	Protein Adsorption as a Key Mediator in the Nanotopographical Control of Cell Behavior. ACS Nano, 2016, 10, 6638-6647.	7.3	105
29	Material-driven fibronectin assembly for high-efficiency presentation of growth factors. Science Advances, 2016, 2, e1600188.	4.7	104
30	Porous Silicon Nanoneedles Modulate Endocytosis to Deliver Biological Payloads. Advanced Materials, 2019, 31, e1806788.	11.1	101
31	Nanoneedle-Mediated Stimulation of Cell Mechanotransduction Machinery. ACS Nano, 2019, 13, 2913-2926.	7.3	101
32	Advances in the Fabrication of Biomaterials for Gradient Tissue Engineering. Trends in Biotechnology, 2021, 39, 150-164.	4.9	98
33	Receptor control in mesenchymal stem cell engineering. Nature Reviews Materials, 2018, 3, .	23.3	96
34	Voidâ€Free 3D Bioprinting for In Situ Endothelialization and Microfluidic Perfusion. Advanced Functional Materials, 2020, 30, 1908349.	7.8	96
35	Sustained gastrointestinal activity of dendronized polymerâ€“enzyme conjugates. Nature Chemistry, 2013, 5, 582-589.	6.6	92
36	Glycosylated superparamagnetic nanoparticle gradients for osteochondral tissue engineering. Biomaterials, 2018, 176, 24-33.	5.7	92

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37	Simple coating with fibronectin fragment enhances stainless steel screw osseointegration in healthy and osteoporotic rats. Biomaterials, 2015, 63, 137-145.	5.7	91
38	Engineering the drug carrier biointerface to overcome biological barriers to drug delivery. Advanced Drug Delivery Reviews, 2020, 167, 89-108.	6.6	91
39	Identification of storage conditions stabilizing extracellular vesicles preparations. Journal of Extracellular Vesicles, 2022, 11, .	5.5	91
40	Biocompatible bacteria-derived vesicles show inherent antimicrobial activity. Journal of Controlled Release, 2018, 290, 46-55.	4.8	90
41	Approaches to surface engineering of extracellular vesicles. Advanced Drug Delivery Reviews, 2021, 173, 416-426.	6.6	87
42	Extracellular vesicles for tissue repair and regeneration: Evidence, challenges and opportunities. Advanced Drug Delivery Reviews, 2021, 175, 113775.	6.6	86
43	Localized and Controlled Delivery of Nitric Oxide to the Conventional Outflow Pathway via Enzyme Biocatalysis: Toward Therapy for Glaucoma. Advanced Materials, 2017, 29, 1604932.	11.1	85
44	Enhanced efficiency of genetic programming toward cardiomyocyte creation through topographical cues. Biomaterials, 2015, 70, 94-104.	5.7	81
45	Mapping Local Cytosolic Enzymatic Activity in Human Esophageal Mucosa with Porous Silicon Nanoneedles. Advanced Materials, 2015, 27, 5147-5152.	11.1	80
46	Stimulation of 3D osteogenesis by mesenchymal stem cells using a nanovibrational bioreactor. Nature Biomedical Engineering, 2017, 1, 758-770.	11.6	77
47	Engineering Extracellular Vesicles with the Tools of Enzyme Prodrug Therapy. Advanced Materials, 2018, 30, e1706616.	11.1	77
48	Assembling Living Building Blocks to Engineer Complex Tissues. Advanced Functional Materials, 2020, 30, 1909009.	7.8	76
49	Tyrosine-based rivastigmine-loaded organogels in the treatment of Alzheimerâ€™s disease. Biomaterials, 2010, 31, 6031-6038.	5.7	74
50	Delivery of Oligonucleotide Therapeutics: Chemical Modifications, Lipid Nanoparticles, and Extracellular Vesicles. ACS Nano, 2021, 15, 13993-14021.	7.3	74
51	Protease-degradable microgels for protein delivery for vascularization. Biomaterials, 2017, 113, 170-175.	5.7	72
52	The Copolymer P(HEMA-co-SS) Binds Gluten and Reduces Immune Response in Gluten-Sensitized Mice and Human Tissues. Gastroenterology, 2012, 142, 316-325.e12.	0.6	71
53	Extracellular vesicles protect glucuronidase model enzymes during freeze-drying. Scientific Reports, 2018, 8, 12377.	1.6	65
54	Streptococcal Extracellular Membrane Vesicles Are Rapidly Internalized by Immune Cells and Alter Their Cytokine Release. Frontiers in Immunology, 2020, 11, 80.	2.2	64

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55	Engineered microenvironments for synergistic VEGF â€" Integrin signalling during vascularization. Biomaterials, 2017, 126, 61-74.	5.7	61
56	Buoyancyâ€Driven Gradients for Biomaterial Fabrication and Tissue Engineering. Advanced Materials, 2019, 31, e1900291.	11.1	61
57	Raman spectroscopy imaging reveals interplay between atherosclerosis and medial calcification in the human aorta. Science Advances, 2017, 3, e1701156.	4.7	60
58	Using Remote Fields for Complex Tissue Engineering. Trends in Biotechnology, 2020, 38, 254-263.	4.9	60
59	3D gelatin-chitosan hybrid hydrogels combined with human platelet lysate highly support human mesenchymal stem cell proliferation and osteogenic differentiation. Journal of Tissue Engineering, 2019, 10, 204173141984585.	2.3	59
60	T-Cellâ€"Derived miRNA-214 Mediates Perivascular Fibrosis in Hypertension. Circulation Research, 2020, 126, 988-1003.	2.0	59
61	Mechanotransduction and Growth Factor Signalling to Engineer Cellular Microenvironments. Advanced Healthcare Materials, 2017, 6, 1700052.	3.9	56
62	Gelatinâ€"Hyaluronic Acid Hydrogels with Tuned Stiffness to Counterbalance Cellular Forces and Promote Cell Differentiation. Macromolecular Bioscience, 2016, 16, 1311-1324.	2.1	54
63	Bacteriaâ€Based Materials for Stem Cell Engineering. Advanced Materials, 2018, 30, e1804310.	11.1	52
64	Toll-Like Receptor 2 Release by Macrophages: An Anti-inflammatory Program Induced by Glucocorticoids and Lipopolysaccharide. Frontiers in Immunology, 2019, 10, 1634.	2.2	52
65	Extracellular Vesicles Derived from Preosteoblasts Influence Embryonic Stem Cell Differentiation. Stem Cells and Development, 2014, 23, 1625-1635.	1.1	51
66	Size-Tunable Nanoneedle Arrays for Influencing Stem Cell Morphology, Gene Expression, and Nuclear Membrane Curvature. ACS Nano, 2020, 14, 5371-5381.	7.3	51
67	Nanotopography controls cell cycle changes involved with skeletal stem cell self-renewal and multipotency. Biomaterials, 2017, 116, 10-20.	5.7	49
68	Extracellular vesicles as antigen carriers for novel vaccination avenues. Advanced Drug Delivery Reviews, 2021, 173, 164-180.	6.6	49
69	Bacterial extracellular vesicles: Understanding biology promotes applications as nanopharmaceuticals. Advanced Drug Delivery Reviews, 2021, 173, 125-140.	6.6	47
70	Synergistic growth factor microenvironments. Chemical Communications, 2016, 52, 13327-13336.	2.2	46
71	Extracellular vesicles â€" A promising avenue for the detection and treatment of infectious diseases?. European Journal of Pharmaceutics and Biopharmaceutics, 2017, 118, 56-61.	2.0	46
72	Extracting the contents of living cells. Science, 2017, 356, 379-380.	6.0	45

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73	Correlated Heterospectral Lipidomics for Biomolecular Profiling of Remyelination in Multiple Sclerosis. ACS Central Science, 2018, 4, 39-51.	5.3	44
74	Molecular composition of GAG-collagen I multilayers affects remodeling of terminal layers and osteogenic differentiation of adipose-derived stem cells. Acta Biomaterialia, 2016, 41, 86-99.	4.1	42
75	A Novel Class of Injectable Bioceramics That Glue Tissues and Biomaterials. Materials, 2018, 11, 2492.	1.3	42
76	Enhancing the Stabilization Potential of Lyophilization for Extracellular Vesicles. Advanced Healthcare Materials, 2022, 11, e2100538.	3.9	42
77	Improving the Stability and Activity of Oral Therapeutic Enzymesâ€"Recent Advances and Perspectives. Pharmaceutical Research, 2014, 31, 1099-1105.	1.7	41
78	Online quantitative monitoring of live cell engineered cartilage growth using diffuse fiber-optic Raman spectroscopy. Biomaterials, 2017, 140, 128-137.	5.7	41
79	Residue-Specific Solvation-Directed Thermodynamic and Kinetic Control over Peptide Self-Assembly with 1D/2D Structure Selection. ACS Nano, 2019, 13, 1900-1909.	7.3	40
80	Hybrid Proteinâ€"Glycosaminoglycan Hydrogels Promote Chondrogenic Stem Cell Differentiation. ACS Omega, 2017, 2, 7609-7620.	1.6	39
81	Ultrasoundâ€Triggered Enzymatic Gelation. Advanced Materials, 2020, 32, e1905914.	11.1	38
82	Hot EVs â€" How temperature affects extracellular vesicles. European Journal of Pharmaceutics and Biopharmaceutics, 2020, 146, 55-63.	2.0	38
83	Organic Bioelectronics: Using Highly Conjugated Polymers to Interface with Biomolecules, Cells, and Tissues in the Human Body. Advanced Materials Technologies, 2020, 5, 2000384.	3.0	38
84	Single Particle Automated Raman Trapping Analysis. Nature Communications, 2018, 9, 4256.	5.8	37
85	In vivo fluorescence imaging of exogenous enzyme activity in the gastrointestinal tract. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 9032-9037.	3.3	36
86	A Material-Based Platform to Modulate Fibronectin Activity and Focal Adhesion Assembly. BioResearch Open Access, 2014, 3, 286-296.	2.6	35
87	Biogenic and Biomimetic Carriers as Versatile Transporters To Treat Infections. ACS Infectious Diseases, 2018, 4, 881-892.	1.8	33
88	Nanovibrational Stimulation of Mesenchymal Stem Cells Induces Therapeutic Reactive Oxygen Species and Inflammation for Three-Dimensional Bone Tissue Engineering. ACS Nano, 2020, 14, 10027-10044.	7.3	33
89	Extracellular Stiffness Modulates the Expression of Functional Proteins and Growth Factors in Endothelial Cells. Advanced Healthcare Materials, 2015, 4, 2056-2063.	3.9	31
90	Probiomimeticsâ€"Novel <i>Lactobacillus</i>â€Mimicking Microparticles Show Antiâ€Inflammatory and Barrierâ€Protecting Effects in Gastrointestinal Models. Small, 2020, 16, e2003158.	5.2	31

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91	Spatiotemporal quantification of acoustic cell patterning using VoronoÃ¯ tessellation. Lab on A Chip, 2019, 19, 562-573.	3.1	30
92	Advances in high-resolution microscopy for the study of intracellular interactions with biomaterials. Biomaterials, 2020, 226, 119406.	5.7	30
93	Lateral Chain Length in Polyalkyl Acrylates Determines the Mobility of Fibronectin at the Cell/Material Interface. Langmuir, 2016, 32, 800-809.	1.6	29
94	Myxobacteria-Derived Outer Membrane Vesicles: Potential Applicability Against Intracellular Infections. Cells, 2020, 9, 194.	1.8	29
95	Different Organization of Type I Collagen Immobilized on Silanized and Nonsilanized Titanium Surfaces Affects Fibroblast Adhesion and Fibronectin Secretion. ACS Applied Materials & Interfaces, 2015, 7, 20667-20677.	4.0	27
96	Emerging Technologies for Tissue Engineering: From Gene Editing to Personalized Medicine. Tissue Engineering - Part A, 2019, 25, 688-692.	1.6	26
97	Recent advances in oral delivery of macromolecular drugs and benefits of polymer conjugation. Current Opinion in Colloid and Interface Science, 2017, 31, 67-74.	3.4	24
98	A blueprint for translational regenerative medicine. Science Translational Medicine, 2020, 12, .	5.8	24
99	Materialâ€Driven Fibronectin Assembly Promotes Maintenance of Mesenchymal Stem Cell Phenotypes. Advanced Functional Materials, 2016, 26, 6563-6573.	7.8	23
100	Control of cell behaviour through nanovibrational stimulation: nanokicking. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2018, 376, 20170290.	1.6	23
101	What Caging Force Cells Feel in 3D Hydrogels: A Rheological Perspective. Advanced Healthcare Materials, 2020, 9, e2000517.	3.9	23
102	PLLA/ZnO nanocomposites: Dynamic surfaces to harness cell differentiation. Colloids and Surfaces B: Biointerfaces, 2016, 144, 152-160.	2.5	22
103	Current approaches for modulation of the nanoscale interface in the regulation of cell behavior. Nanomedicine: Nanotechnology, Biology, and Medicine, 2018, 14, 2455-2464.	1.7	22
104	The use of nanovibration to discover specific and potent bioactive metabolites that stimulate osteogenic differentiation in mesenchymal stem cells. Science Advances, 2021, 7, .	4.7	22
105	Prevention Measures and Exploratory Pharmacological Treatments of Celiac Disease. American Journal of Gastroenterology, 2010, 105, 2551-2561.	0.2	21
106	Biocompatible Chitosan-Functionalized Upconverting Nanocomposites. ACS Omega, 2018, 3, 86-95.	1.6	21
107	Materials-driven fibronectin assembly on nanoscale topography enhances mesenchymal stem cell adhesion, protecting cells from bacterial virulence factors and preventing biofilm formation. Biomaterials, 2022, 280, 121263.	5.7	21
108	Vitronectin alters fibronectin organization at the cellâ€"material interface. Colloids and Surfaces B: Biointerfaces, 2013, 111, 618-625.	2.5	20

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109	Celiac Disease: A Challenging Disease for Pharmaceutical Scientists. Pharmaceutical Research, 2013, 30, 619-626.	1.7	19
110	Living biointerfaces based on non-pathogenic bacteria support stem cell differentiation. Scientific Reports, 2016, 6, 21809.	1.6	19
111	Coupling quaternary ammonium surfactants to the surface of liposomes improves both antibacterial efficacy and host cell biocompatibility. European Journal of Pharmaceutics and Biopharmaceutics, 2020, 149, 12-20.	2.0	19
112	Tunable Microgelâ€Templated Porogel (MTP) Bioink for 3D Bioprinting Applications. Advanced Healthcare Materials, 2022, 11, e2200027.	3.9	19
113	Molecular imaging of extracellular vesicles <i>in vitro via</i> Raman metabolic labelling. Journal of Materials Chemistry B, 2020, 8, 4447-4459.	2.9	18
114	Borax-Loaded PLLA for Promotion of Myogenic Differentiation. Tissue Engineering - Part A, 2015, 21, 2662-2672.	1.6	17
115	Design, construction and characterisation of a novel nanovibrational bioreactor and cultureware for osteogenesis. Scientific Reports, 2019, 9, 12944.	1.6	17
116	Tissue Engineering Cartilage with Deep Zone Cytoarchitecture by Highâ€Resolution Acoustic Cell Patterning. Advanced Healthcare Materials, 2022, 11, .	3.9	17
117	A Fractal Nature for Polymerized Laminin. PLoS ONE, 2014, 9, e109388.	1.1	16
118	Controlled Assembly of Fibronectin Nanofibrils Triggered by Random Copolymer Chemistry. ACS Applied Materials & Interfaces, 2015, 7, 18125-18135.	4.0	16
119	Evaluation of the Storage Stability of Extracellular Vesicles. Journal of Visualized Experiments, 2019, , .	0.2	16
120	Immunogold FIBâ€SEM: Combining Volumetric Ultrastructure Visualization with 3D Biomolecular Analysis to Dissect Cellâ€"Environment Interactions. Advanced Materials, 2019, 31, 1900488.	11.1	16
121	Current insights into the bone marrow niche: From biology in vivo to bioengineering ex vivo. Biomaterials, 2022, 286, 121568.	5.7	16
122	Living biointerfaces based on non-pathogenic bacteria to direct cell differentiation. Scientific Reports, 2014, 4, 5849.	1.6	15
123	Dynamic Behavior of Vitronectin at the Cellâ€"Material Interface. ACS Biomaterials Science and Engineering, 2015, 1, 927-934.	2.6	15
124	Diffusion and transport of extracellular vesicles. Nature Nanotechnology, 2020, 15, 168-169.	15.6	15
125	Stimulation of Probiotic Bacteria Induces Release of Membrane Vesicles with Augmented Anti-inflammatory Activity. ACS Applied Bio Materials, 2021, 4, 3739-3748.	2.3	15
126	Differentiation of Human Mesenchymal Stem Cells Toward Quality Cartilage Using Fibrinogenâ€Based Nanofibers. Macromolecular Bioscience, 2016, 16, 1348-1359.	2.1	14

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127	Single-Nanometer Changes in Nanopore Geometry Influence Curvature, Local Properties, and Protein Localization in Membrane Simulations. Nano Letters, 2019, 19, 4770-4778.	4.5	14
128	Yields and Immunomodulatory Effects of Pneumococcal Membrane Vesicles Differ with the Bacterial Growth Phase. Advanced Healthcare Materials, 2022, 11, e2101151.	3.9	12
129	Gold Nanocluster Extracellular Vesicle Supraparticles: Self-Assembled Nanostructures for Three-Dimensional Uptake Visualization. Langmuir, 2020, 36, 3912-3923.	1.6	11
130	Hurdles to uptake of mesenchymal stem cells and their progenitors in therapeutic products. Biochemical Journal, 2020, 477, 3349-3366.	1.7	11
131	Role of chemical crosslinking in material-driven assembly of fibronectin (nano)networks: 2D surfaces and 3D scaffolds. Colloids and Surfaces B: Biointerfaces, 2016, 148, 324-332.	2.5	9
132	Coarse-Grained Simulations Suggest the Epsin N-Terminal Homology Domain Can Sense Membrane Curvature without Its Terminal Amphipathic Helix. ACS Nano, 2020, 14, 16919-16928.	7.3	9
133	Bacteriomimetic Liposomes Improve Antibiotic Activity of a Novel Energy-Coupling Factor Transporter Inhibitor. Pharmaceutics, 2022, 14, 4.	2.0	9
134	Liver-derived extracellular vesicles: A cell by cell overview to isolation and characterization practices. Biochimica Et Biophysica Acta - General Subjects, 2021, 1865, 129559.	1.1	8
135	Interaction of myxobacteria-derived outer membrane vesicles with biofilms: antiadhesive and antibacterial effects. Nanoscale, 2021, 13, 14287-14296.	2.8	8
136	Biophysical phenotyping of mesenchymal stem cells along the osteogenic differentiation pathway. Cell Biology and Toxicology, 2021, 37, 915-933.	2.4	8
137	Comparative Study of Osteogenic Activity of Multilayers Made of Synthetic and Biogenic Polyelectrolytes. Macromolecular Bioscience, 2017, 17, 1700078.	2.1	7
138	Editorial: Mechanisms of Prokaryotic Predation. Frontiers in Microbiology, 2020, 11, 2071.	1.5	6
139	Advancing Cell-Instructive Biomaterials Through Increased Understanding of Cell Receptor Spacing and Material Surface Functionalization. Regenerative Engineering and Translational Medicine, 2021, 7, 533-547.	1.6	6
140	Assessing the impact of silicon nanowires on bacterial transformation and viability of <i>Escherichia coli</i>. Journal of Materials Chemistry B, 2021, 9, 4906-4914.	2.9	6
141	An ossifying landscape: materials and growth factor strategies for osteogenic signalling and bone regeneration. Current Opinion in Biotechnology, 2022, 73, 355-363.	3.3	6
142	Extracellular Vesicles â€" A Versatile Biomaterial. Advanced Healthcare Materials, 2022, 11, e2200192.	3.9	6
143	Spray-dried pneumococcal membrane vesicles are promising candidates for pulmonary immunization. International Journal of Pharmaceutics, 2022, 621, 121794.	2.6	6
144	Polysaccharideâ€Polyplex Nanofilm Coatings Enhance Nanoneedleâ€Based Gene Delivery and Transfection Efficiency. Small, 2022, 18, .	5.2	6

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145	Confined Sandwichlike Microenvironments Tune Myogenic Differentiation. ACS Biomaterials Science and Engineering, 2017, 3, 1710-1718.	2.6	5
146	Nanoneedle-Based Materials for Intracellular Studies. Advances in Experimental Medicine and Biology, 2021, 1295, 191-219.	0.8	5
147	In vitro evaluation of the stability of proline-specific endopeptidases under simulated gastrointestinal conditions. Journal of Controlled Release, 2010, 148, e37-e39.	4.8	3
148	Engineering Strategies for Oral Therapeutic Enzymes to Enhance Their Stability and Activity. Advances in Experimental Medicine and Biology, 2019, 1148, 151-172.	0.8	3
149	An Outer Membrane Vesicleâ€Based Permeation Assay (OMPA) for Assessing Bacterial Bioavailability. Advanced Healthcare Materials, 2022, 11, e2101180.	3.9	3
150	Experimental and Data Analysis Workflow for Soft Matter Nanoindentation. Journal of Visualized Experiments, 2022, , .	0.2	3
151	Sandwich-like Microenvironments to Harness Cell/Material Interactions. Journal of Visualized Experiments, 2015, , e53090.	0.2	2
152	Nanoneedles and Nanostructured Surfaces for Studying Cell Interfacing. IFMBE Proceedings, 2020, , 209-212.	0.2	2
153	Biogenic and biomimetic nanocarrier-based interventions: focus on intracellular infections. Nanomedicine, 2021, 16, 685-688.	1.7	2
154	Extracellular vesicles in drug delivery and bioengineering. Advanced Drug Delivery Reviews, 2021, 181, 114073.	6.6	2
155	Polymerâ€"Enzyme Conjugates for Oral Drug Delivery Applications. Chimia, 2013, 67, 685.	0.3	1
156	Luminal coating of the intestine. Nature Materials, 2018, 17, 754-755.	13.3	1
157	Bioinspired Microenvironments: Material-Driven Fibronectin Assembly Promotes Maintenance of Mesenchymal Stem Cell Phenotypes (Adv. Funct. Mater. 36/2016). Advanced Functional Materials, 2016, 26, 6671-6671.	7.8	0
158	Drug Delivery: Engineering Extracellular Vesicles with the Tools of Enzyme Prodrug Therapy (Adv.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	11.1	0
159	Boron Ions: Simultaneous Boron Ionâ€Channel/Growth Factor Receptor Activation for Enhanced Vascularization (Adv. Biosys. 1/2019). Advanced Biology, 2019, 3, 1970014.	3.0	0
160	Biobarriers 2018. European Journal of Pharmaceutics and Biopharmaceutics, 2021, 158, 52.	2.0	0
161	3D-printed high-resolution microchannels for contrast enhanced ultrasound research. , 2021, , .		0