Gregor Fuhrmann

List of Publications by Citations

152 papers	13,111 citations	47 h-index	113 g-index
171 ext. papers	17,089 ext. citations	12.3 avg, IF	6.97 L-index

#	Paper	IF	Citations
152	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	16.4	3642
151	Exploring and engineering the cell surface interface. *Science*, **2005**, 310, 1135-8	33.3	2149
150	Complexity in biomaterials for tissue engineering. *Nature Materials*, **2009**, 8, 457-70	27	1340
149	Active loading into extracellular vesicles significantly improves the cellular uptake and photodynamic effect of porphyrins. *Journal of Controlled Release*, **2015**, 205, 35-44	11.7	295
148	Re-Engineering Extracellular Vesicles as Smart Nanoscale Therapeutics. *ACS Nano*, **2017**, 11, 69-83	16.7	286
147	Nano-analytical electron microscopy reveals fundamental insights into human cardiovascular tissue calcification. *Nature Materials*, **2013**, 12, 576-83	27	190
146	Designing regenerative biomaterial therapies for the clinic. *Science Translational Medicine*, **2012**, 4, 160sr4	17.5	180
145	Extracellular vesicles as a next-generation drug delivery platform. *Nature Nanotechnology*, **2021**, 16, 748-759	28.7	138
144	Material Cues as Potent Regulators of Epigenetics and Stem Cell Function. *Cell Stem Cell*, **2016**, 18, 39-52	18	134
143	Biodegradable nanoneedles for localized delivery of nanoparticles in vivo: exploring the biointerface. *ACS Nano*, **2015**, 9, 5500-5509	16.7	133
142	A conducting polymer with enhanced electronic stability applied in cardiac models. *Science Advances*, **2016**, 2, e1601007	14.3	131
141	Collagen-mimetic peptide-modifiable hydrogels for articular cartilage regeneration. *Biomaterials*, **2015**, 54, 213-25	15.6	110
140	Cell-geometry-dependent changes in plasma membrane order direct stem cell signalling and fate. *Nature Materials*, **2018**, 17, 237-242	27	108
139	Strategic design of extracellular vesicle drug delivery systems. *Advanced Drug Delivery Reviews*, **2018**, 130, 12-16	18.5	104
138	Tumor matrix stiffness promotes metastatic cancer cell interaction with the endothelium. *EMBO Journal*, **2017**, 36, 2373-2389	13	103
137	Auxetic Cardiac Patches with Tunable Mechanical and Conductive Properties toward Treating Myocardial Infarction. *Advanced Functional Materials*, **2018**, 28, 1800618	15.6	102
136	Extracellular Vesicles-Connecting Kingdoms. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	102

135	Cell-derived vesicles for drug therapy and diagnostics: opportunities and challenges. *Nano Today*, **2015**, 10, 397-409	17.9	101
134	Tissue engineering and regenerative medicine: a year in review. *Tissue Engineering - Part B: Reviews*, **2014**, 20, 1-16	7.9	97
133	Raman spectroscopy and regenerative medicine: a review. *Npj Regenerative Medicine*, **2017**, 2, 12	15.8	93
132	Physical stimuli-responsive vesicles in drug delivery: Beyond liposomes and polymersomes. *Advanced Drug Delivery Reviews*, **2019**, 138, 259-275	18.5	92
131	Engineering Anisotropic Muscle Tissue using Acoustic Cell Patterning. *Advanced Materials*, **2018**, 30, e1802649	24	92
130	High-Aspect-Ratio Nanostructured Surfaces as Biological Metamaterials. *Advanced Materials*, **2020**, 32, e1903862	24	90
129	Sustained gastrointestinal activity of dendronized polymer-enzyme conjugates. *Nature Chemistry*, **2013**, 5, 582-9	17.6	82
128	Protein Adsorption as a Key Mediator in the Nanotopographical Control of Cell Behavior. *ACS Nano*, **2016**, 10, 6638-47	16.7	79
127	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	11.5	78
126	Material-driven fibronectin assembly for high-efficiency presentation of growth factors. *Science Advances*, **2016**, 2, e1600188	14.3	78
125	Correction for Fuhrmann and Leroux, 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*, **2012**, 109, 17141-17141	11.5	78
124	Simple coating with fibronectin fragment enhances stainless steel screw osseointegration in healthy and osteoporotic rats. *Biomaterials*, **2015**, 63, 137-45	15.6	74
123	Quantitative volumetric Raman imaging of three dimensional cell cultures. *Nature Communications*, **2017**, 8, 14843	17.4	71
122	Receptor control in mesenchymal stem cell engineering. *Nature Reviews Materials*, **2018**, 3,	73.3	71
121	Localized and Controlled Delivery of Nitric Oxide to the Conventional Outflow Pathway via Enzyme Biocatalysis: Toward Therapy for Glaucoma. *Advanced Materials*, **2017**, 29, 1604932	24	69
120	Nanoneedle-Mediated Stimulation of Cell Mechanotransduction Machinery. *ACS Nano*, **2019**, 13, 2913-2926	15.7	65
119	Enhanced efficiency of genetic programming toward cardiomyocyte creation through topographical cues. *Biomaterials*, **2015**, 70, 94-104	15.6	65
118	Glycosylated superparamagnetic nanoparticle gradients for osteochondral tissue engineering. *Biomaterials*, **2018**, 176, 24-33	15.6	65

117	Porous Silicon Nanoneedles Modulate Endocytosis to Deliver Biological Payloads. *Advanced Materials*, **2019**, 31, e1806788	24	63
116	Tyrosine-based rivastigmine-loaded organogels in the treatment of Alzheimer's disease. *Biomaterials*, **2010**, 31, 6031-8	15.6	63
115	Mapping Local Cytosolic Enzymatic Activity in Human Esophageal Mucosa with Porous Silicon Nanoneedles. *Advanced Materials*, **2015**, 27, 5147-52	24	62
114	Tailoring Gelation Mechanisms for Advanced Hydrogel Applications. *Advanced Functional Materials*, **2020**, 30, 2002759	15.6	60
113	Biocompatible bacteria-derived vesicles show inherent antimicrobial activity. *Journal of Controlled Release*, **2018**, 290, 46-55	11.7	60
112	Stimulation of 3D osteogenesis by mesenchymal stem cells using a nanovibrational bioreactor. *Nature Biomedical Engineering*, **2017**, 1, 758-770	19	58
111	Expanding and optimizing 3D bioprinting capabilities using complementary network bioinks. *Science Advances*, **2020**, 6,	14.3	56
110	Engineered microenvironments for synergistic VEGF - Integrin signalling during vascularization. *Biomaterials*, **2017**, 126, 61-74	15.6	50
109	Engineering Extracellular Vesicles with the Tools of Enzyme Prodrug Therapy. *Advanced Materials*, **2018**, 30, e1706616	24	50
108	Protease-degradable microgels for protein delivery for vascularization. *Biomaterials*, **2017**, 113, 170-175	15.6	50
107	Void-free 3D Bioprinting for In-situ Endothelialization and Microfluidic Perfusion. *Advanced Functional Materials*, **2020**, 30, 1908349	15.6	50
106	The copolymer P(HEMA-co-SS) binds gluten and reduces immune response in gluten-sensitized mice and human tissues. *Gastroenterology*, **2012**, 142, 316-25.e1-12	13.3	48
105	Nanotopography controls cell cycle changes involved with skeletal stem cell self-renewal and multipotency. *Biomaterials*, **2017**, 116, 10-20	15.6	44
104	Extracellular vesicles protect glucuronidase model enzymes during freeze-drying. *Scientific Reports*, **2018**, 8, 12377	4.9	44
103	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, 2041731419845852	7.5	42
102	Gelatin-Hyaluronic Acid Hydrogels with Tuned Stiffness to Counterbalance Cellular Forces and Promote Cell Differentiation. *Macromolecular Bioscience*, **2016**, 16, 1311-24	5.5	40
101	Extracellular vesicles derived from preosteoblasts influence embryonic stem cell differentiation. *Stem Cells and Development*, **2014**, 23, 1625-35	4.4	38
100	Raman spectroscopy imaging reveals interplay between atherosclerosis and medial calcification in the human aorta. *Science Advances*, **2017**, 3, e1701156	14.3	38

99	Mechanotransduction and Growth Factor Signalling to Engineer Cellular Microenvironments. *Advanced Healthcare Materials*, **2017**, 6, 1700052	10.1	37
98	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	10.8	37
97	Synergistic growth factor microenvironments. *Chemical Communications*, **2016**, 52, 13327-13336	5.8	37
96	Advances in the Fabrication of Biomaterials for Gradient Tissue Engineering. *Trends in Biotechnology*, **2021**, 39, 150-164	15.1	37
95	Extracellular vesicles - A promising avenue for the detection and treatment of infectious diseases?. *European Journal of Pharmaceutics and Biopharmaceutics*, **2017**, 118, 56-61	5.7	36
94	Buoyancy-Driven Gradients for Biomaterial Fabrication and Tissue Engineering. *Advanced Materials*, **2019**, 31, e1900291	24	36
93	Improving the stability and activity of oral therapeutic enzymes-recent advances and perspectives. *Pharmaceutical Research*, **2014**, 31, 1099-105	4.5	35
92	Extracting the contents of living cells. *Science*, **2017**, 356, 379-380	33.3	34
91	Streptococcal Extracellular Membrane Vesicles Are Rapidly Internalized by Immune Cells and Alter Their Cytokine Release. *Frontiers in Immunology*, **2020**, 11, 80	8.4	34
90	Bacteria-Based Materials for Stem Cell Engineering. *Advanced Materials*, **2018**, 30, e1804310	24	34
89	Using Remote Fields for Complex Tissue Engineering. *Trends in Biotechnology*, **2020**, 38, 254-263	15.1	32
88	Residue-Specific Solvation-Directed Thermodynamic and Kinetic Control over Peptide Self-Assembly with 1D/2D Structure Selection. *ACS Nano*, **2019**, 13, 1900-1909	16.7	31
87	Engineering the drug carrier biointerface to overcome biological barriers to drug delivery. *Advanced Drug Delivery Reviews*, **2020**, 167, 89-108	18.5	31
86	Assembling Living Building Blocks to Engineer Complex Tissues. *Advanced Functional Materials*, **2020**, 30, 1909009	15.6	31
85	A material-based platform to modulate fibronectin activity and focal adhesion assembly. *BioResearch Open Access*, **2014**, 3, 286-96	2.4	30
84	A Novel Class of Injectable Bioceramics that Glue Tissues and Biomaterials. *Materials*, **2018**, 11,	3.5	29
83	Toll-Like Receptor 2 Release by Macrophages: An Anti-inflammatory Program Induced by Glucocorticoids and Lipopolysaccharide. *Frontiers in Immunology*, **2019**, 10, 1634	8.4	28
82	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, 9032-7	11.5	28

81	Correlated Heterospectral Lipidomics for Biomolecular Profiling of Remyelination in Multiple Sclerosis. *ACS Central Science*, **2018**, 4, 39-51	16.8	27
80	Biogenic and Biomimetic Carriers as Versatile Transporters To Treat Infections. *ACS Infectious Diseases*, **2018**, 4, 881-892	5.5	27
79	Online quantitative monitoring of live cell engineered cartilage growth using diffuse fiber-optic Raman spectroscopy. *Biomaterials*, **2017**, 140, 128-137	15.6	27
78	Hybrid Protein-Glycosaminoglycan Hydrogels Promote Chondrogenic Stem Cell Differentiation. *ACS Omega*, **2017**, 2, 7609-7620	3.9	26
77	Extracellular Stiffness Modulates the Expression of Functional Proteins and Growth Factors in Endothelial Cells. *Advanced Healthcare Materials*, **2015**, 4, 2056-2063	10.1	25
76	T-Cell-Derived miRNA-214 Mediates Perivascular Fibrosis in Hypertension. *Circulation Research*, **2020**, 126, 988-1003	15.7	24
75	Lateral Chain Length in Polyalkyl Acrylates Determines the Mobility of Fibronectin at the Cell/Material Interface. *Langmuir*, **2016**, 32, 800-9	4	24
74	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, 20667-77	9.5	22
73	Size-Tunable Nanoneedle Arrays for Influencing Stem Cell Morphology, Gene Expression, and Nuclear Membrane Curvature. *ACS Nano*, **2020**, 14, 5371-5381	16.7	22
72	Approaches to surface engineering of extracellular vesicles. *Advanced Drug Delivery Reviews*, **2021**, 173, 416-426	18.5	22
71	Extracellular vesicles for tissue repair and regeneration: Evidence, challenges and opportunities. *Advanced Drug Delivery Reviews*, **2021**, 175, 113775	18.5	21
70	Spatiotemporal quantification of acoustic cell patterning using Voronoï tessellation. *Lab on A Chip*, **2019**, 19, 562-573	7.2	20
69	Recent advances in oral delivery of macromolecular drugs and benefits of polymer conjugation. *Current Opinion in Colloid and Interface Science*, **2017**, 31, 67-74	7.6	20
68	PLLA/ZnO nanocomposites: Dynamic surfaces to harness cell differentiation. *Colloids and Surfaces B: Biointerfaces*, **2016**, 144, 152-160	6	20
67	Current approaches for modulation of the nanoscale interface in the regulation of cell behavior. *Nanomedicine: Nanotechnology, Biology, and Medicine*, **2018**, 14, 2455-2464	6	19
66	Organic Bioelectronics: Using Highly Conjugated Polymers to Interface with Biomolecules, Cells, and Tissues in the Human Body. *Advanced Materials Technologies*, **2020**, 5, 2000384	6.8	19
65	Probiomimetics-Novel Lactobacillus-Mimicking Microparticles Show Anti-Inflammatory and Barrier-Protecting Effects in Gastrointestinal Models. *Small*, **2020**, 16, e2003158	11	19
64	Single Particle Automated Raman Trapping Analysis. *Nature Communications*, **2018**, 9, 4256	17.4	19

63	Emerging Technologies for Tissue Engineering: From Gene Editing to Personalized Medicine. *Tissue Engineering - Part A*, **2019**, 25, 688-692	3.9	18
62	Myxobacteria-Derived Outer Membrane Vesicles: Potential Applicability Against Intracellular Infections. *Cells*, **2020**, 9,	7.9	18
61	Celiac disease: a challenging disease for pharmaceutical scientists. *Pharmaceutical Research*, **2013**, 30, 619-26	4.5	18
60	Ultrasound-Triggered Enzymatic Gelation. *Advanced Materials*, **2020**, 32, e1905914	24	18
59	Material-Driven Fibronectin Assembly Promotes Maintenance of Mesenchymal Stem Cell Phenotypes. *Advanced Functional Materials*, **2016**, 26, 6563-6573	15.6	18
58	Control of cell behaviour through nanovibrational stimulation: nanokicking. *Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences*, **2018**, 376,	3	17
57	Vitronectin alters fibronectin organization at the cell-material interface. *Colloids and Surfaces B: Biointerfaces*, **2013**, 111, 618-25	6	16
56	Hot EVs - How temperature affects extracellular vesicles. *European Journal of Pharmaceutics and Biopharmaceutics*, **2020**, 146, 55-63	5.7	16
55	Delivery of Oligonucleotide Therapeutics: Chemical Modifications, Lipid Nanoparticles, and Extracellular Vesicles. *ACS Nano*, **2021**, 15, 13993-14021	16.7	16
54	Controlled Assembly of Fibronectin Nanofibrils Triggered by Random Copolymer Chemistry. *ACS Applied Materials & Interfaces*, **2015**, 7, 18125-35	9.5	15
53	Biocompatible Chitosan-Functionalized Upconverting Nanocomposites. *ACS Omega*, **2018**, 3, 86-95	3.9	15
52	Prevention measures and exploratory pharmacological treatments of celiac disease. *American Journal of Gastroenterology*, **2010**, 105, 2551-61; quiz 2562	0.7	15
51	Advances in high-resolution microscopy for the study of intracellular interactions with biomaterials. *Biomaterials*, **2020**, 226, 119406	15.6	15
50	Borax-Loaded PLLA for Promotion of Myogenic Differentiation. *Tissue Engineering - Part A*, **2015**, 21, 2662-72	3.9	14
49	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	16.7	14
48	Differentiation of Human Mesenchymal Stem Cells Toward Quality Cartilage Using Fibrinogen-Based Nanofibers. *Macromolecular Bioscience*, **2016**, 16, 1348-59	5.5	14
47	Living biointerfaces based on non-pathogenic bacteria support stem cell differentiation. *Scientific Reports*, **2016**, 6, 21809	4.9	13
46	Immunogold FIB-SEM: Combining Volumetric Ultrastructure Visualization with 3D Biomolecular Analysis to Dissect Cell-Environment Interactions. *Advanced Materials*, **2019**, 31, e1900488	24	12

45	Living biointerfaces based on non-pathogenic bacteria to direct cell differentiation. *Scientific Reports*, **2014**, 4, 5849	4.9	12
44	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	5.7	12
43	Bacterial extracellular vesicles: Understanding biology promotes applications as nanopharmaceuticals. *Advanced Drug Delivery Reviews*, **2021**, 173, 125-140	18.5	12
42	Evaluation of the Storage Stability of Extracellular Vesicles. *Journal of Visualized Experiments*, **2019**,	1.6	11
41	A fractal nature for polymerized laminin. *PLoS ONE*, **2014**, 9, e109388	3.7	11
40	What Caging Force Cells Feel in 3D Hydrogels: A Rheological Perspective. *Advanced Healthcare Materials*, **2020**, 9, e2000517	10.1	11
39	Extracellular vesicles as antigen carriers for novel vaccination avenues. *Advanced Drug Delivery Reviews*, **2021**, 173, 164-180	18.5	11
38	The use of nanovibration to discover specific and potent bioactive metabolites that stimulate osteogenic differentiation in mesenchymal stem cells. *Science Advances*, **2021**, 7,	14.3	10
37	Enhancing the Stabilization Potential of Lyophilization for Extracellular Vesicles. *Advanced Healthcare Materials*, **2021**, e2100538	10.1	10
36	Design, construction and characterisation of a novel nanovibrational bioreactor and cultureware for osteogenesis. *Scientific Reports*, **2019**, 9, 12944	4.9	9
35	Dynamic Behavior of Vitronectin at the Cell-Material Interface. *ACS Biomaterials Science and Engineering*, **2015**, 1, 927-934	5.5	9
34	Single-Nanometer Changes in Nanopore Geometry Influence Curvature, Local Properties, and Protein Localization in Membrane Simulations. *Nano Letters*, **2019**, 19, 4770-4778	11.5	8
33	Diffusion and transport of extracellular vesicles. *Nature Nanotechnology*, **2020**, 15, 168-169	28.7	8
32	A blueprint for translational regenerative medicine. *Science Translational Medicine*, **2020**, 12,	17.5	7
31	Comparative Study of Osteogenic Activity of Multilayers Made of Synthetic and Biogenic Polyelectrolytes. *Macromolecular Bioscience*, **2017**, 17, 1700078	5.5	6
30	Molecular imaging of extracellular vesicles in vitro via Raman metabolic labelling. *Journal of Materials Chemistry B*, **2020**, 8, 4447-4459	7.3	6
29	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	6	6
28	Gold Nanocluster Extracellular Vesicle Supraparticles: Self-Assembled Nanostructures for Three-Dimensional Uptake Visualization. *Langmuir*, **2020**, 36, 3912-3923	4	5

27	Liver-derived extracellular vesicles: A cell by cell overview to isolation and characterization practices. *Biochimica Et Biophysica Acta - General Subjects*, **2021**, 1865, 129559	4	5
26	Advancing cell instructive biomaterials through increased understanding of cell receptor spacing and material surface functionalization. *Regenerative Engineering and Translational Medicine*, **2021**, 7, 553-547	2.4	4
25	Hurdles to uptake of mesenchymal stem cells and their progenitors in therapeutic products. *Biochemical Journal*, **2020**, 477, 3349-3366	3.8	4
24	Stimulation of Probiotic Bacteria Induces Release of Membrane Vesicles with Augmented Anti-inflammatory Activity.. *ACS Applied Bio Materials*, **2021**, 4, 3739-3748	4.1	4
23	Confined Sandwichlike Microenvironments Tune Myogenic Differentiation. *ACS Biomaterials Science and Engineering*, **2017**, 3, 1710-1718	5.5	3
22	Coarse-Grained Simulations Suggest the Epsin N-Terminal Homology Domain Can Sense Membrane Curvature without Its Terminal Amphipathic Helix. *ACS Nano*, **2020**,	16.7	3
21	In vitro evaluation of the stability of proline-specific endopeptidases under simulated gastrointestinal conditions. *Journal of Controlled Release*, **2010**, 148, e37-9	11.7	3
20	Current insights into the bone marrow niche: From biology in vivo to bioengineering ex vivo.. *Biomaterials*, **2022**, 286, 121568	15.6	3
19	Sandwich-like Microenvironments to Harness Cell/Material Interactions. *Journal of Visualized Experiments*, **2015**, e53090	1.6	2
18	Tunable Microgel-Templated Porogel (MTP) Bioink for 3D Bioprinting Applications.. *Advanced Healthcare Materials*, **2022**, e2200027	10.1	2
17	Materials-driven fibronectin assembly on nanoscale topography enhances mesenchymal stem cell adhesion, protecting cells from bacterial virulence factors and preventing biofilm formation. *Biomaterials*, **2021**, 280, 121263	15.6	2
16	Yields and Immunomodulatory Effects of Pneumococcal Membrane Vesicles Differ with the Bacterial Growth Phase. *Advanced Healthcare Materials*, **2021**, e2101151	10.1	2
15	Nanoneedles and Nanostructured Surfaces for Studying Cell Interfacing. *IFMBE Proceedings*, **2020**, 209-212	0.2	2
14	Assessing the impact of silicon nanowires on bacterial transformation and viability of. *Journal of Materials Chemistry B*, **2021**, 9, 4906-4914	7.3	2
13	Nanoneedle-Based Materials for Intracellular Studies. *Advances in Experimental Medicine and Biology*, **2021**, 1295, 191-219	3.6	2
12	Interaction of myxobacteria-derived outer membrane vesicles with biofilms: antiadhesive and antibacterial effects. *Nanoscale*, **2021**, 13, 14287-14296	7.7	2
11	Biophysical phenotyping of mesenchymal stem cells along the osteogenic differentiation pathway. *Cell Biology and Toxicology*, **2021**, 37, 915-933	7.4	2
10	Spray-dried Pneumococcal Membrane Vesicles are Promising Candidates for Pulmonary Immunization.. *International Journal of Pharmaceutics*, **2022**, 121794	6.5	2

9	Luminal coating of the intestine. *Nature Materials*, **2018**, 17, 754-755	27	1
8	Matrix Protein Interactions with Synthetic Surfaces **2015**, 91-146		1
7	An ossifying landscape: materials and growth factor strategies for osteogenic signalling and bone regeneration. *Current Opinion in Biotechnology*, **2021**, 73, 355-363	11.4	1
6	Engineering Strategies for Oral Therapeutic Enzymes to Enhance Their Stability and Activity. *Advances in Experimental Medicine and Biology*, **2019**, 1148, 151-172	3.6	1
5	An Outer Membrane Vesicle-Based Permeation Assay (OMPA) for Assessing Bacterial Bioavailability. *Advanced Healthcare Materials*, **2021**, e2101180	10.1	0
4	Boron Ions: Simultaneous Boron Ion-Channel/Growth Factor Receptor Activation for Enhanced Vascularization (Adv. Biosys. 1/2019). *Advanced Biology*, **2019**, 3, 1970014	3.5	
3	Drug Delivery: Engineering Extracellular Vesicles with the Tools of Enzyme Prodrug Therapy (Adv. Mater. 15/2018). *Advanced Materials*, **2018**, 30, 1870109	24	
2	Focal Adhesion Kinase in Cell-Material Interactions **2015**, 147-176		
1	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	15.6	