

# João F Mano

## List of Publications by Year in descending order

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755  
papers

41,878  
citations

2101

100  
h-index

5988

160  
g-index

808  
all docs

808  
docs citations

808  
times ranked

37538  
citing authors

#	ARTICLE	IF	CITATIONS
1	3D-bioprinted cancer-on-a-chip: level-up organotypic in vitro models. Trends in Biotechnology, 2022, 40, 432-447.	9.3	36
2	Microparticles orchestrating cell fate in bottom-up approaches. Current Opinion in Biotechnology, 2022, 73, 276-281.	6.6	8
3	Brewer's yeast polysaccharides – A review of their exquisite structural features and biomedical applications. Carbohydrate Polymers, 2022, 277, 118826.	10.2	23
4	3D Printed Dual-Porosity Scaffolds: The Combined Effect of Stiffness and Porosity in the Modulation of Macrophage Polarization. Advanced Healthcare Materials, 2022, 11, e2101415.	7.6	23
5	Nanoscale design in biomineralization for developing new biomaterials. , 2022, , 345-384.		0
6	Self-glucose feeding hydrogels by enzyme empowered degradation for 3D cell culture. Materials Horizons, 2022, 9, 694-707.	12.2	10
7	Designing highly customizable human based platforms for cell culture using proteins from the amniotic membrane. Materials Science and Engineering C, 2022, 134, 112574.	7.3	8
8	Freestanding Magnetic Microtissues for Tissue Engineering Applications. Advanced Healthcare Materials, 2022, 11, e2101532.	7.6	5
9	Hipster microcarriers: exploring geometrical and topographical cues of non-spherical microcarriers in biomedical applications. Materials Horizons, 2022, 9, 908-933.	12.2	15
10	NMR Metabolomics Assessment of Osteogenic Differentiation of Adipose-Tissue-Derived Mesenchymal Stem Cells. Journal of Proteome Research, 2022, 21, 654-670.	3.7	7
11	Core-shell microcapsules: biofabrication and potential applications in tissue engineering and regenerative medicine. Biomaterials Science, 2022, 10, 2122-2153.	5.4	11
12	Emerging modulators for osteogenic differentiation: a combination of chemical and topographical cues for bone microenvironment engineering. Soft Matter, 2022, 18, 3107-3119.	2.7	6
13	Human Protein-Based Porous Scaffolds as Platforms for Xeno-Free 3D Cell Culture. Advanced Healthcare Materials, 2022, 11, e2102383.	7.6	11
14	Universal Strategy for Designing Shape Memory Hydrogels. , 2022, 4, 701-706.		13
15	Fabrication of highly stretchable hydrogel based on crosslinking between alendronates functionalized poly-l <sup>3</sup> -glutamate and calcium cations. Materials Today Bio, 2022, 14, 100225.	5.5	1
16	Endo- and Exometabolome Crosstalk in Mesenchymal Stem Cells Undergoing Osteogenic Differentiation. Cells, 2022, 11, 1257.	4.1	6
17	Macrophage-targeted shikonin-loaded nanogels for modulation of inflammasome activation. Nanomedicine: Nanotechnology, Biology, and Medicine, 2022, 42, 102548.	3.3	6
18	Programmable Living Units for Emulating Pancreatic Tumor-Stroma Interplay. Advanced Healthcare Materials, 2022, 11, e2102574.	7.6	9

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19	Bioengineered Hierarchical Bonelike Compartmentalized Microconstructs Using Nanogrooved Microdiscs. ACS Applied Materials & Interfaces, 2022, 14, 19116-19128.	8.0	8
20	G9a inhibition by CM-272: Developing a novel anti-tumoral strategy for castration-resistant prostate cancer using 2D and 3D in vitro models. Biomedicine and Pharmacotherapy, 2022, 150, 113031.	5.6	9
21	Advancing Tissue Decellularized Hydrogels for Engineering Human Organoids. Advanced Functional Materials, 2022, 32, .	14.9	21
22	All- $\epsilon$ -Aqueous Freeform Fabrication of Perfusable Self-standing Soft Compartments. Advanced Materials, 2022, 34, .	21.0	7
23	Natural-based biomaterials for drug delivery wound healing patches. , 2022, , 51-73.		1
24	Bioengineering the human bone marrow microenvironment in liquefied compartments: A promising approach for the recapitulation of osteovascular niches. Acta Biomaterialia, 2022, 149, 167-178.	8.3	5
25	Preparation of Vancomycin-Loaded Aerogels Implementing Inkjet Printing and Superhydrophobic Surfaces. Gels, 2022, 8, 417.	4.5	5
26	Advances in bioengineering pancreatic tumor-stroma physiomimetic Biomodels. Biomaterials, 2022, 287, 121653.	11.4	7
27	In vitro biological response of human osteoblasts in 3D chitosan sponges with controlled degree of deacetylation and molecular weight. Carbohydrate Polymers, 2021, 254, 117434.	10.2	34
28	Stimuli-Responsive Nanocomposite Hydrogels for Biomedical Applications. Advanced Functional Materials, 2021, 31, 2005941.	14.9	234
29	Development of novel chitosan / guar gum inks for extrusion-based 3D bioprinting: Process, printability and properties. Bioprinting, 2021, 21, e00122.	5.8	29
30	Strategies for re-vascularization and promotion of angiogenesis in trauma and disease. Biomaterials, 2021, 269, 120628.	11.4	32
31	Recent advances in the design of implantable insulin secreting heterocellular islet organoids. Biomaterials, 2021, 269, 120627.	11.4	24
32	Proteinaceous Hydrogels for Bioengineering Advanced 3D Tumor Models. Advanced Science, 2021, 8, 2003129.	11.2	41
33	Consistent Inclusion of Mesenchymal Stem Cells into In Vitro Tumor Models. Methods in Molecular Biology, 2021, 2269, 3-23.	0.9	0
34	Bioimaging of Mesenchymal Stem Cells Spatial Distribution and Interactions with 3D In Vitro Tumor Spheroids. Methods in Molecular Biology, 2021, 2269, 49-61.	0.9	0
35	Adjustable conduits for guided peripheral nerve regeneration prepared from bi-zonal unidirectional and multidirectional laminar scaffold of type I collagen. Materials Science and Engineering C, 2021, 121, 111838.	7.3	3
36	Stratified 3D Microtumors as Organotypic Testing Platforms for Screening Pancreatic Cancer Therapies. Small Methods, 2021, 5, e2001207.	8.6	15

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37	Fabrication of Quasi-2D Shape-Tailored Microparticles using Wettability Contrast-Based Platforms. <i>Advanced Materials</i> , 2021, 33, e2007695.	21.0	11
38	Chemical modification strategies to prepare advanced protein-based biomaterials. <i>Biomaterials and Biosystems</i> , 2021, 1, 100010.	2.2	7
39	One-Step Aqueous Interfacial Assembly of Robust Membranes for Long-Term Encapsulation and Culture of Adherent Stem/Stromal Cells. <i>Advanced Healthcare Materials</i> , 2021, 10, e2100266.	7.6	13
40	Screening of dual chemo-photothermal cellular nanotherapies in organotypic breast cancer 3D spheroids. <i>Journal of Controlled Release</i> , 2021, 331, 85-102.	9.9	19
41	Partial Coated Stem Cells with Bioinspired Silica as New Generation of Cellular Hybrid Materials. <i>Advanced Functional Materials</i> , 2021, 31, 2009619.	14.9	14
42	Oxygen releasing materials: Towards addressing the hypoxia-related issues in tissue engineering. <i>Materials Science and Engineering C</i> , 2021, 122, 111896.	7.3	46
43	Minimalist Tissue Engineering Approaches Using Low Material-Based Bioengineered Systems. <i>Advanced Healthcare Materials</i> , 2021, 10, e2002110.	7.6	16
44	Protein-olive oil-in-water nanoemulsions as encapsulation materials for curcumin acting as anticancer agent towards MDA-MB-231 cells. <i>Scientific Reports</i> , 2021, 11, 9099.	3.3	21
45	Synthesis and characterization of scaffolds produced under mild conditions based on oxidized cashew gums and carboxyethyl chitosan. <i>International Journal of Biological Macromolecules</i> , 2021, 176, 26-36.	7.5	12
46	GelMA/bioactive silica nanocomposite bioinks for stem cell osteogenic differentiation. <i>Biofabrication</i> , 2021, 13, 035012.	7.1	48
47	The Therapeutic Potential of Hematopoietic Stem Cells in Bone Regeneration. <i>Tissue Engineering - Part B: Reviews</i> , 2021, , .	4.8	4
48	Recent Developments in Chitosan-Based Micro/Nanofibers for Sustainable Food Packaging, Smart Textiles, Cosmeceuticals, and Biomedical Applications. <i>Molecules</i> , 2021, 26, 2683.	3.8	36
49	Double network laminarin-boronic/alginate dynamic bioink for 3D bioprinting cell-laden constructs. <i>Biofabrication</i> , 2021, 13, 035045.	7.1	33
50	Metabolomic Applications in Stem Cell Research: a Review. <i>Stem Cell Reviews and Reports</i> , 2021, 17, 2003-2024.	3.8	9
51	Engineering Strategies for Allogeneic Solid Tissue Acceptance. <i>Trends in Molecular Medicine</i> , 2021, 27, 572-587.	6.7	2
52	Bioinstructive Layer-by-Layer-Coated Customizable 3D Printed Perfusable Microchannels Embedded in Photocrosslinkable Hydrogels for Vascular Tissue Engineering. <i>Biomolecules</i> , 2021, 11, 863.	4.0	25
53	Recent Progress on Polysaccharide-Based Hydrogels for Controlled Delivery of Therapeutic Biomolecules. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 4102-4127.	5.2	64
54	Natural Origin Biomaterials for 4D Bioprinting Tissue-Like Constructs. <i>Advanced Materials Technologies</i> , 2021, 6, 2100168.	5.8	27

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55	Design of Protein-Based Liquefied Cell-Laden Capsules with Bioinspired Adhesion for Tissue Engineering. <i>Advanced Healthcare Materials</i> , 2021, 10, e2100782.	7.6	6
56	Bioengineering a humanized 3D tri-culture osteosarcoma model to assess tumor invasiveness and therapy response. <i>Acta Biomaterialia</i> , 2021, 134, 204-214.	8.3	22
57	Cell-Based Therapy: Partial Coated Stem Cells with Bioinspired Silica as New Generation of Cellular Hybrid Materials ( <i>Adv. Funct. Mater.</i> 29/2021). <i>Advanced Functional Materials</i> , 2021, 31, 2170211.	14.9	1
58	Coordination Compounds As Multi-Delivery Systems for Osteoporosis. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 35469-35483.	8.0	10
59	Customizable and Regioselective One-Pot N <sup>H</sup> Functionalization of DNA Nucleobases to Create a Library of Nucleobase Derivatives for Biomedical Applications. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 4423-4433.	2.4	3
60	Organotypic 3D decellularized matrix tumor spheroids for high-throughput drug screening. <i>Biomaterials</i> , 2021, 275, 120983.	11.4	25
61	Physicochemical Interactions in Nanofunctionalized Alginate/GelMA IPN Hydrogels. <i>Nanomaterials</i> , 2021, 11, 2256.	4.1	15
62	3D-Bioprinted Constructs that Breathe. <i>Matter</i> , 2021, 4, 15-17.	10.0	4
63	Platelet lysates-based hydrogels incorporating bioactive mesoporous silica nanoparticles for stem cell osteogenic differentiation. <i>Materials Today Bio</i> , 2021, 9, 100096.	5.5	19
64	An Immunomodulatory Miniaturized 3D Screening Platform Using Liquefied Capsules. <i>Advanced Healthcare Materials</i> , 2021, 10, 2001993.	7.6	10
65	Supramolecular dendrimer-containing layer-by-layer nanoassemblies for bioapplications: current status and future prospects. <i>Polymer Chemistry</i> , 2021, 12, 5902-5930.	3.9	9
66	New insights into the biomimetic design and biomedical applications of bioengineered bone microenvironments. <i>APL Bioengineering</i> , 2021, 5, 041507.	6.2	12
67	Capacitive interdigitated system of high osteoinductive/conductive performance for personalized acting-sensing implants. <i>Npj Regenerative Medicine</i> , 2021, 6, 80.	5.2	15
68	Comparison of the Physicochemical Properties of Chitin Extracted from Cicada orni Sloughs Harvested in Three Different Years and Characterization of the Resulting Chitosan. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 11278.	2.5	7
69	Engineering mammalian living materials towards clinically relevant therapeutics. <i>EBioMedicine</i> , 2021, 74, 103717.	6.1	8
70	Recent progresses in the adsorption of organic, inorganic, and gas compounds by MCM-41-based mesoporous materials. <i>Microporous and Mesoporous Materials</i> , 2020, 291, 109698.	4.4	132
71	Bioactive silica nanoparticles with calcium and phosphate for single dose osteogenic differentiation. <i>Materials Science and Engineering C</i> , 2020, 107, 110348.	7.3	19
72	Dynamic microfactories co-encapsulating osteoblastic and adipose-derived stromal cells for the biofabrication of bone units. <i>Biofabrication</i> , 2020, 12, 015005.	7.1	33

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73	Designing multigradient biomaterials for skin regeneration. <i>Materials Today Advances</i> , 2020, 5, 100051.	5.2	49
74	Biomedical applications of laminarin. <i>Carbohydrate Polymers</i> , 2020, 232, 115774.	10.2	103
75	Advanced Bottom-Up Engineering of Living Architectures. <i>Advanced Materials</i> , 2020, 32, e1903975.	21.0	127
76	Multi-layer pre-vascularized magnetic cell sheets for bone regeneration. <i>Biomaterials</i> , 2020, 231, 119664.	11.4	62
77	One-Step Rapid Fabrication of Cell-Only Living Fibers. <i>Advanced Materials</i> , 2020, 32, 1906305.	21.0	20
78	Curcumin Loaded Nanoliposomes Localization by Nanoscale Characterization. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7276.	4.1	17
79	Geometrically Controlled Liquefied Capsules for Modular Tissue Engineering Strategies. <i>Advanced Biology</i> , 2020, 4, e2000127.	3.0	12
80	Complex-shaped magnetic 3D cell-based structures for tissue engineering. <i>Acta Biomaterialia</i> , 2020, 118, 18-31.	8.3	8
81	Bioinspired biomaterials to develop cell-rich spherical microtissues for 3D in vitro tumor modeling. , 2020, , 43-65.		3
82	Complex Morphogenesis by a Model Intrinsically Disordered Protein. <i>Small</i> , 2020, 16, e2005191.	10.0	10
83	Differential Modulation of the Phospholipidome of Proinflammatory Human Macrophages by the Flavonoids Quercetin, Naringin and Naringenin. <i>Molecules</i> , 2020, 25, 3460.	3.8	7
84	In Situ Cross-Linking of Artificial Basement Membranes in 3D Tissues and Their Size-Dependent Molecular Permeability. <i>Biomacromolecules</i> , 2020, 21, 4923-4932.	5.4	4
85	Modeling of Cell-Mediated Self-Assembled Colloidal Scaffolds. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 48321-48328.	8.0	10
86	Dynamic Electrophoretic Assembly of Metal-Phenolic Films: Accelerated Formation and Cytocompatible Detachment. <i>Chemistry of Materials</i> , 2020, 32, 7746-7753.	6.7	13
87	Efficient Single-Dose Induction of Osteogenic Differentiation of Stem Cells Using Multi-Bioactive Hybrid Nanocarriers. <i>Advanced Biology</i> , 2020, 4, e2000123.	3.0	7
88	Leachable-Free Fabrication of Hydrogel Foams Enabling Homogeneous Viability of Encapsulated Cells in Large-Volume Constructs. <i>Advanced Healthcare Materials</i> , 2020, 9, e2000543.	7.6	7
89	Gelatin Methacryloyl (GelMA) Nanocomposite Hydrogels Embedding Bioactive Naringin Liposomes. <i>Polymers</i> , 2020, 12, 2944.	4.5	23
90	Nanomaterials for Biomedical Applications. <i>Biotechnology Journal</i> , 2020, 15, e2000574.	3.5	6

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91	Frontispiece: Bone Tissue Disorders: Healing Through Coordination Chemistry. Chemistry - A European Journal, 2020, 26, .	3.3	0
92	Modular Functionalization of Laminarin to Create Value-Added Naturally Derived Macromolecules. Journal of the American Chemical Society, 2020, 142, 19689-19697.	13.7	26
93	Bone Tissue Disorders: Healing Through Coordination Chemistry. Chemistry - A European Journal, 2020, 26, 15416-15437.	3.3	5
94	Injectable Biomaterials for Dental Tissue Regeneration. International Journal of Molecular Sciences, 2020, 21, 3442.	4.1	47
95	Repurposing Old Drugs into New Epigenetic Inhibitors: Promising Candidates for Cancer Treatment?. Pharmaceutics, 2020, 12, 410.	4.5	20
96	Fabrication of Artificial Nanobasement Membranes for Cell Compartmentalization in 3D Tissues. Small, 2020, 16, e1907434.	10.0	16
97	Perinatal tissues and cells in tissue engineering and regenerative medicine. Acta Biomaterialia, 2020, 110, 1-14.	8.3	39
98	Decellularized Extracellular Matrix for Bioengineering Physiomimetic 3D in Vitro Tumor Models. Trends in Biotechnology, 2020, 38, 1397-1414.	9.3	84
99	Instantaneous fibrillation of egg white proteome with ionic liquid and macromolecular crowding. Communications Materials, 2020, 1, .	6.9	7
100	Self-Assembled Bioactive Colloidal Gels as Injectable Multiparticle Shedding Platforms. ACS Applied Materials & Interfaces, 2020, 12, 31282-31291.	8.0	15
101	Enzymatically degradable, starch-based layer-by-layer films: application to cytocompatible single-cell nanoencapsulation. Soft Matter, 2020, 16, 6063-6071.	2.7	15
102	Extraction and Physicochemical Characterization of Chitin from Cicada orni Sloughs of the South-Eastern French Mediterranean Basin. Molecules, 2020, 25, 2543.	3.8	18
103	Thin Silica-Based Microsheets with Controlled Geometry. European Journal of Inorganic Chemistry, 2020, 2020, 1574-1578.	2.0	1
104	Role of active nanoliposomes in the surface and bulk mechanical properties of hybrid hydrogels. Materials Today Bio, 2020, 6, 100046.	5.5	19
105	Cell Behavior within Nanogrooved Sandwich Culture Systems. Small, 2020, 16, e2001975.	10.0	15
106	Hydrogel 3D in vitro tumor models for screening cell aggregation mediated drug response. Biomaterials Science, 2020, 8, 1855-1864.	5.4	70
107	Cell Encapsulation Systems Toward Modular Tissue Regeneration: From Immunoisolation to Multifunctional Devices. Advanced Functional Materials, 2020, 30, 1908061.	14.9	39
108	Coffee Melanoidin-Based Multipurpose Film Formation: Application to Single-Cell Nanoencapsulation. ChemNanoMat, 2020, 6, 379-385.	2.8	16

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109	Responsive laminarin-boronic acid self-healing hydrogels for biomedical applications. <i>Polymer Journal</i> , 2020, 52, 997-1006.	2.7	31
110	Novel Biodegradable Laminarin Microparticles for Biomedical Applications. <i>Bulletin of the Chemical Society of Japan</i> , 2020, 93, 713-719.	3.2	26
111	Freeform 3D printing using a continuous viscoelastic supporting matrix. <i>Biofabrication</i> , 2020, 12, 035017.	7.1	49
112	Mechanochemical Patternable ECM-mimetic Hydrogels for Programmed Cell Orientation. <i>Advanced Healthcare Materials</i> , 2020, 9, e1901860.	7.6	29
113	Human Platelet Lysate-based Hydrogels: A Novel Personalized 3D Platform for Spheroid Invasion Assessment. <i>Advanced Science</i> , 2020, 7, 1902398.	11.2	31
114	Biomorphs: Complex Morphogenesis by a Model Intrinsically Disordered Protein (Small 51/2020). <i>Small</i> , 2020, 16, .	10.0	0
115	Nanogrooved microdiscs for bottom-up modulation of osteogenic differentiation. <i>Nanoscale</i> , 2019, 11, 16214-16221.	5.6	23
116	Supramolecular Presentation of Hyaluronan onto Model Surfaces for Studying the Behavior of Cancer Stem Cells. <i>Advanced Biology</i> , 2019, 3, 1900017.	3.0	4
117	Screening of perfused combinatorial 3D microenvironments for cell culture. <i>Acta Biomaterialia</i> , 2019, 96, 222-236.	8.3	8
118	Bioactive Glass-Polymer Nanocomposites for Bone Tissue Regeneration Applications: A Review. <i>Advanced Engineering Materials</i> , 2019, 21, 1900287.	3.5	33
119	Flavonoid-mediated immunomodulation of human macrophages involves key metabolites and metabolic pathways. <i>Scientific Reports</i> , 2019, 9, 14906.	3.3	36
120	Liquefied Microcapsules as Dual Microcarriers for 3D+3D Bottom-Up Tissue Engineering. <i>Advanced Healthcare Materials</i> , 2019, 8, e1901221.	7.6	30
121	Editorial. <i>Materials Today Bio</i> , 2019, 1, 100012.	5.5	0
122	Oxidized Cashew Gum Scaffolds for Tissue Engineering. <i>Macromolecular Materials and Engineering</i> , 2019, 304, 1800574.	3.6	23
123	Temperature-responsive nanomagnetic logic gates for cellular hyperthermia. <i>Materials Horizons</i> , 2019, 6, 524-530.	12.2	9
124	Cell encapsulation in liquified compartments: Protocol optimization and challenges. <i>PLoS ONE</i> , 2019, 14, e0218045.	2.5	22
125	Surface Micro- and Nanoengineering: Applications of Layer-by-Layer Technology as a Versatile Tool to Control Cellular Behavior. <i>Small</i> , 2019, 15, e1901228.	10.0	42
126	In-air production of 3D co-culture tumor spheroid hydrogels for expedited drug screening. <i>Acta Biomaterialia</i> , 2019, 94, 392-409.	8.3	72



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127	Status and future scope of plant-based green hydrogels in biomedical engineering. <i>Applied Materials Today</i> , 2019, 16, 213-246.	4.3	154
128	Mechanical Properties of Ca-Saturated Hydrogels with Functionalized Alginate. <i>Gels</i> , 2019, 5, 23.	4.5	23
129	Antibacterial free-standing polysaccharide composite films inspired by the sea. <i>International Journal of Biological Macromolecules</i> , 2019, 133, 933-944.	7.5	19
130	Microparticles in Contact with Cells: From Carriers to Multifunctional Tissue Modulators. <i>Trends in Biotechnology</i> , 2019, 37, 1011-1028.	9.3	72
131	Physical immobilization of particles inspired by pollination. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 5405-5410.	7.1	6
132	Smart Instructive Polymer Substrates for Tissue Engineering. , 2019, , 411-438.		7
133	Recent advances on open fluidic systems for biomedical applications: A review. <i>Materials Science and Engineering C</i> , 2019, 97, 851-863.	7.3	56
134	3D collagen microfibers stimulate the functionality of preadipocytes and maintain the phenotype of mature adipocytes for long term cultures. <i>Acta Biomaterialia</i> , 2019, 84, 194-207.	8.3	56
135	Three-Dimensional Osteosarcoma Models for Advancing Drug Discovery and Development. <i>Advanced Therapeutics</i> , 2019, 2, 1800108.	3.2	16
136	Sequentially Moldable and Bondable Four-Dimensional Hydrogels Compatible with Cell Encapsulation. <i>Biomacromolecules</i> , 2018, 19, 2742-2749.	5.4	17
137	Cell-Based Microarrays Using Superhydrophobic Platforms Patterned with Wettable Regions. <i>Methods in Molecular Biology</i> , 2018, 1771, 11-26.	0.9	2
138	Strategic Advances in Formation of Cell-in-a-Shell Structures: From Syntheses to Applications. <i>Advanced Materials</i> , 2018, 30, e1706063.	21.0	102
139	Adhesive free-standing multilayer films containing sulfated levan for biomedical applications. <i>Acta Biomaterialia</i> , 2018, 69, 183-195.	8.3	55
140	Stimuli-responsive nanocarriers for delivery of bone therapeutics – Barriers and progresses. <i>Journal of Controlled Release</i> , 2018, 273, 51-67.	9.9	84
141	The effects of platelet lysate patches on the activity of tendon-derived cells. <i>Acta Biomaterialia</i> , 2018, 68, 29-40.	8.3	22
142	Nanostructured Biopolymer/Few-Layer Graphene Freestanding Films with Enhanced Mechanical and Electrical Properties. <i>Macromolecular Materials and Engineering</i> , 2018, 303, 1700316.	3.6	6
143	Novel Antibacterial and Bioactive Silicate Glass Nanoparticles for Biomedical Applications. <i>Advanced Engineering Materials</i> , 2018, 20, 1700855.	3.5	7
144	Biomaterials for drug delivery patches. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 118, 49-66.	4.0	98

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145	Patterned superhydrophobic surfaces to process and characterize biomaterials and 3D cell culture. <i>Materials Horizons</i> , 2018, 5, 379-393.	12.2	51
146	Coculture of Spheroids/2D Cell Layers Using a Miniaturized Patterned Platform as a Versatile Method to Produce Scaffold-Free Tissue Engineering Building Blocks. <i>Advanced Biology</i> , 2018, 2, 1700069.	3.0	15
147	Gellan gum-hydroxyapatite composite spongy-like hydrogels for bone tissue engineering. <i>Journal of Biomedical Materials Research - Part A</i> , 2018, 106, 479-490.	4.0	50
148	Extracellular vesicles, exosomes and shedding vesicles in regenerative medicine – a new paradigm for tissue repair. <i>Biomaterials Science</i> , 2018, 6, 60-78.	5.4	207
149	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
150	Photopolymerizable Platelet Lysate Hydrogels for Customizable 3D Cell Culture Platforms. <i>Advanced Healthcare Materials</i> , 2018, 7, e1800849.	7.6	38
151	Bioactive Hydrogel Marbles. <i>Scientific Reports</i> , 2018, 8, 15215.	3.3	12
152	Bioinstructive microparticles for self-assembly of mesenchymal stem Cell-3D tumor spheroids. <i>Biomaterials</i> , 2018, 185, 155-173.	11.4	58
153	Bone physiology as inspiration for tissue regenerative therapies. <i>Biomaterials</i> , 2018, 185, 240-275.	11.4	259
154	Design of spherically structured 3D in vitro tumor models -Advances and prospects. <i>Acta Biomaterialia</i> , 2018, 75, 11-34.	8.3	155
155	Bioinspired multilayer membranes as potential adhesive patches for skin wound healing. <i>Biomaterials Science</i> , 2018, 6, 1962-1975.	5.4	61
156	Preparation of Well-Dispersed Chitosan/Alginate Hollow Multilayered Microcapsules for Enhanced Cellular Internalization. <i>Molecules</i> , 2018, 23, 625.	3.8	31
157	Injectable gellan-gum/hydroxyapatite-based bilayered hydrogel composites for osteochondral tissue regeneration. <i>Applied Materials Today</i> , 2018, 12, 309-321.	4.3	38
158	Bioinspired bone therapies using naringin: applications and advances. <i>Drug Discovery Today</i> , 2018, 23, 1293-1304.	6.4	49
159	Blood Plasma Derivatives for Tissue Engineering and Regenerative Medicine Therapies. <i>Tissue Engineering - Part B: Reviews</i> , 2018, 24, 454-462.	4.8	48
160	Design Principles and Multifunctionality in Cell Encapsulation Systems for Tissue Regeneration. <i>Advanced Healthcare Materials</i> , 2018, 7, e1701444.	7.6	17
161	Bioinstructive Naringin-Loaded Micelles for Guiding Stem Cell Osteodifferentiation. <i>Advanced Healthcare Materials</i> , 2018, 7, e1800890.	7.6	19
162	Multifunctional laminarin microparticles for cell adhesion and expansion. <i>Carbohydrate Polymers</i> , 2018, 202, 91-98.	10.2	25

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163	Tunable spheroidal hydrogel particles for cell and drug encapsulation. <i>Soft Matter</i> , 2018, 14, 5622-5627.	2.7	21
164	Strontium-Doped Bioactive Glass Nanoparticles in Osteogenic Commitment. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 23311-23320.	8.0	55
165	Solvent-Free Strategy Yields Size and Shape-Uniform Capsules. <i>Journal of the American Chemical Society</i> , 2017, 139, 1057-1060.	13.7	20
166	Tuning cell adhesive properties via layer-by-layer assembly of chitosan and alginate. <i>Acta Biomaterialia</i> , 2017, 51, 279-293.	8.3	62
167	Flexible method for fabricating protein patterns on superhydrophobic platforms controlled by magnetic field. <i>Biomaterials Science</i> , 2017, 5, 408-411.	5.4	12
168	The influence of surface modified poly(L-lactic acid) films on the differentiation of human monocytes into macrophages. <i>Biomaterials Science</i> , 2017, 5, 551-560.	5.4	24
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