

# Joo F Mano

## List of Publications by Year in Descending Order

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**Version:** 2024-04-19

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

767  
papers

34,352  
citations

92  
h-index

147  
g-index

808  
ext. papers

37,992  
ext. citations

6.6  
avg, IF

7.87  
L-index

#	Paper	IF	Citations
767	Nanoscale design in biomineralization for developing new biomaterials <b>2022</b> , 345-384		
766	Brewer's yeast polysaccharides - A review of their exquisite structural features and biomedical applications. <i>Carbohydrate Polymers</i> , <b>2022</b> , 277, 118826	10.3	2
765	Human Protein-Based Porous Scaffolds as Platforms for Xeno-Free 3D Cell Culture.. <i>Advanced Healthcare Materials</i> , <b>2022</b> , e2102383	10.1	1
764	Universal Strategy for Designing Shape Memory Hydrogels <b>2022</b> , 4, 701-706		1
763	Fabrication of highly stretchable hydrogel based on crosslinking between alendronates functionalized poly- $\gamma$ -glutamate and calcium cations.. <i>Materials Today Bio</i> , <b>2022</b> , 14, 100225	9.9	0
762	Macrophage-Targeted Shikonin-Loaded Nanogels for Modulation of Inflammasome Activation.. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2022</b> , 102548	6	2
761	Programmable Living Units for Emulating Pancreatic Tumor-Stroma Interplay.. <i>Advanced Healthcare Materials</i> , <b>2022</b> , e2102574	10.1	2
760	G9a inhibition by CM-272: Developing a novel anti-tumoral strategy for castration-resistant prostate cancer using 2D and 3D in vitro models.. <i>Biomedicine and Pharmacotherapy</i> , <b>2022</b> , 150, 113031	7.5	1
759	Multifunctional Granular Hydrogels for Tissue-Specific Repair <b>2022</b> , 295-321		
758	Natural-based biomaterials for drug delivery wound healing patches <b>2022</b> , 51-73		
757	New insights into the biomimetic design and biomedical applications of bioengineered bone microenvironments. <i>APL Bioengineering</i> , <b>2021</b> , 5, 041507	6.6	1
756	Self-glucose feeding hydrogels by enzyme empowered degradation for 3D cell culture. <i>Materials Horizons</i> , <b>2021</b> ,	14.4	4
755	Capacitive interdigitated system of high osteoinductive/conductive performance for personalized acting-sensing implants. <i>Npj Regenerative Medicine</i> , <b>2021</b> , 6, 80	15.8	3
754	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> , <b>2021</b> , 11, 11278	2.6	0
753	Designing highly customizable human based platforms for cell culture using proteins from the amniotic membrane.. <i>Materials Science and Engineering C</i> , <b>2021</b> , 112574	8.3	0
752	Engineering mammalian living materials towards clinically relevant therapeutics. <i>EBioMedicine</i> , <b>2021</b> , 74, 103717	8.8	1
751	Freestanding magnetic microtissues for tissue engineering applications.. <i>Advanced Healthcare Materials</i> , <b>2021</b> , e2101532	10.1	1

750	Supramolecular dendrimer-containing layer-by-layer nanoassemblies for bioapplications: current status and future prospects. <i>Polymer Chemistry</i> , <b>2021</b> , 12, 5902-5930	4.9	2
749	3D Printed Dual-Porosity Scaffolds: The Combined Effect of Stiffness and Porosity in the Modulation of Macrophage Polarization. <i>Advanced Healthcare Materials</i> , <b>2021</b> , e2101415	10.1	4
748	Partial Coated Stem Cells with Bioinspired Silica as New Generation of Cellular Hybrid Materials. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2009619	15.6	4
747	Oxygen releasing materials: Towards addressing the hypoxia-related issues in tissue engineering. <i>Materials Science and Engineering C</i> , <b>2021</b> , 122, 111896	8.3	15
746	Minimalist Tissue Engineering Approaches Using Low Material-Based Bioengineered Systems. <i>Advanced Healthcare Materials</i> , <b>2021</b> , 10, e2002110	10.1	6
745	Protein-olive oil-in-water nanoemulsions as encapsulation materials for curcumin acting as anticancer agent towards MDA-MB-231 cells. <i>Scientific Reports</i> , <b>2021</b> , 11, 9099	4.9	6
744	Synthesis and characterization of scaffolds produced under mild conditions based on oxidized cashew gums and carboxyethyl chitosan. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 176, 26-36	7.9	4
743	GelMA/bioactive silica nanocomposite bioinks for stem cell osteogenic differentiation. <i>Biofabrication</i> , <b>2021</b> ,	10.5	16
742	The Therapeutic Potential of Hematopoietic Stem Cells in Bone Regeneration. <i>Tissue Engineering - Part B: Reviews</i> , <b>2021</b> ,	7.9	1
741	Recent Developments in Chitosan-Based Micro/Nanofibers for Sustainable Food Packaging, Smart Textiles, Cosmeceuticals, and Biomedical Applications. <i>Molecules</i> , <b>2021</b> , 26,	4.8	8
740	Double network laminarin-boronic/alginate dynamic bioink for 3D bioprinting cell-laden constructs. <i>Biofabrication</i> , <b>2021</b> , 13,	10.5	7
739	Metabolomic Applications in Stem Cell Research: a Review. <i>Stem Cell Reviews and Reports</i> , <b>2021</b> , 17, 2003-2024	7.3	1
738	Engineering Strategies for Allogeneic Solid Tissue Acceptance. <i>Trends in Molecular Medicine</i> , <b>2021</b> , 27, 572-587	11.5	
737	Bioinstructive Layer-by-Layer-Coated Customizable 3D Printed Perfusable Microchannels Embedded in Photocrosslinkable Hydrogels for Vascular Tissue Engineering. <i>Biomolecules</i> , <b>2021</b> , 11,	5.9	9
736	Recent Progress on Polysaccharide-Based Hydrogels for Controlled Delivery of Therapeutic Biomolecules. <i>ACS Biomaterials Science and Engineering</i> , <b>2021</b> , 7, 4102-4127	5.5	14
735	Natural Origin Biomaterials for 4D Bioprinting Tissue-Like Constructs. <i>Advanced Materials Technologies</i> , <b>2021</b> , 6, 2100168	6.8	4
734	Design of Protein-Based Liquefied Cell-Laden Capsules with Bioinspired Adhesion for Tissue Engineering. <i>Advanced Healthcare Materials</i> , <b>2021</b> , 10, e2100782	10.1	1
733	In vitro biological response of human osteoblasts in 3D chitosan sponges with controlled degree of deacetylation and molecular weight. <i>Carbohydrate Polymers</i> , <b>2021</b> , 254, 117434	10.3	15

732	Stimuli-Responsive Nanocomposite Hydrogels for Biomedical Applications. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2005941	15.6	78
731	Development of novel chitosan / guar gum inks for extrusion-based 3D bioprinting: Process, printability and properties. <i>Bioprinting</i> , <b>2021</b> , 21, e00122	7	15
730	Strategies for re-vascularization and promotion of angiogenesis in trauma and disease. <i>Biomaterials</i> , <b>2021</b> , 269, 120628	15.6	13
729	Recent advances in the design of implantable insulin secreting heterocellular islet organoids. <i>Biomaterials</i> , <b>2021</b> , 269, 120627	15.6	10
728	Proteinaceous Hydrogels for Bioengineering Advanced 3D Tumor Models. <i>Advanced Science</i> , <b>2021</b> , 8, 2003129	13.6	19
727	Consistent Inclusion of Mesenchymal Stem Cells into In Vitro Tumor Models. <i>Methods in Molecular Biology</i> , <b>2021</b> , 2269, 3-23	1.4	
726	Bioimaging of Mesenchymal Stem Cells Spatial Distribution and Interactions with 3D In Vitro Tumor Spheroids. <i>Methods in Molecular Biology</i> , <b>2021</b> , 2269, 49-61	1.4	
725	Adjustable conduits for guided peripheral nerve regeneration prepared from bi-zonal unidirectional and multidirectional laminar scaffold of type I collagen. <i>Materials Science and Engineering C</i> , <b>2021</b> , 121, 111838	8.3	1
724	Stratified 3D Microtumors as Organotypic Testing Platforms for Screening Pancreatic Cancer Therapies.. <i>Small Methods</i> , <b>2021</b> , 5, e2001207	12.8	2
723	Fabrication of Quasi-2D Shape-Tailored Microparticles using Wettability Contrast-Based Platforms. <i>Advanced Materials</i> , <b>2021</b> , 33, e2007695	24	5
722	Chemical modification strategies to prepare advanced protein-based biomaterials. <i>Biomaterials and Biosystems</i> , <b>2021</b> , 1, 100010		3
721	One-Step All-Aqueous Interfacial Assembly of Robust Membranes for Long-Term Encapsulation and Culture of Adherent Stem/Stromal Cells. <i>Advanced Healthcare Materials</i> , <b>2021</b> , 10, e2100266	10.1	3
720	Screening of dual chemo-photothermal cellular nanotherapies in organotypic breast cancer 3D spheroids. <i>Journal of Controlled Release</i> , <b>2021</b> , 331, 85-102	11.7	7
719	Bioengineering a humanized 3D tri-culture osteosarcoma model to assess tumor invasiveness and therapy response. <i>Acta Biomaterialia</i> , <b>2021</b> , 134, 204-214	10.8	6
718	Cell-Based Therapy: Partial Coated Stem Cells with Bioinspired Silica as New Generation of Cellular Hybrid Materials (Adv. Funct. Mater. 29/2021). <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2170211	15.6	1
717	Coordination Compounds As Multi-Delivery Systems for Osteoporosis. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 35469-35483	9.5	2
716	Customizable and Regioselective One-Pot NH <sub>2</sub> Functionalization of DNA Nucleobases to Create a Library of Nucleobase Derivatives for Biomedical Applications. <i>European Journal of Organic Chemistry</i> , <b>2021</b> , 2021, 4423-4433	3.2	1
715	Organotypic 3D decellularized matrix tumor spheroids for high-throughput drug screening. <i>Biomaterials</i> , <b>2021</b> , 275, 120983	15.6	7

714	3D-bioprinted cancer-on-a-chip: level-up organotypic in vitro models. <i>Trends in Biotechnology</i> , <b>2021</b> ,	15.1	8
713	Microparticles orchestrating cell fate in bottom-up approaches. <i>Current Opinion in Biotechnology</i> , <b>2021</b> , 73, 276-281	11.4	1
712	3D-Bioprinted Constructs that Breathe. <i>Matter</i> , <b>2021</b> , 4, 15-17	12.7	2
711	Platelet lysates-based hydrogels incorporating bioactive mesoporous silica nanoparticles for stem cell osteogenic differentiation. <i>Materials Today Bio</i> , <b>2021</b> , 9, 100096	9.9	11
710	An Immunomodulatory Miniaturized 3D Screening Platform Using Liquefied Capsules. <i>Advanced Healthcare Materials</i> , <b>2021</b> , 10, e2001993	10.1	2
709	Gelatin Methacryloyl (GelMA) Nanocomposite Hydrogels Embedding Bioactive Naringin Liposomes. <i>Polymers</i> , <b>2020</b> , 12,	4.5	4
708	Modular Functionalization of Laminarin to Create Value-Added Naturally Derived Macromolecules. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 19689-19697	16.4	8
707	Bone Tissue Disorders: Healing Through Coordination Chemistry. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 15416-15437	4.8	3
706	Injectable Biomaterials for Dental Tissue Regeneration. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	27
705	Repurposing Old Drugs into New Epigenetic Inhibitors: Promising Candidates for Cancer Treatment?. <i>Pharmaceutics</i> , <b>2020</b> , 12,	6.4	11
704	Fabrication of Artificial Nanobasement Membranes for Cell Compartmentalization in 3D Tissues. <i>Small</i> , <b>2020</b> , 16, e1907434	11	9
703	Perinatal tissues and cells in tissue engineering and regenerative medicine. <i>Acta Biomaterialia</i> , <b>2020</b> , 110, 1-14	10.8	17
702	Decellularized Extracellular Matrix for Bioengineering Physiomimetic 3D in Vitro Tumor Models. <i>Trends in Biotechnology</i> , <b>2020</b> , 38, 1397-1414	15.1	33
701	Instantaneous fibrillation of egg white proteome with ionic liquid and macromolecular crowding. <i>Communications Materials</i> , <b>2020</b> , 1,	6	5
700	Self-Assembled Bioactive Colloidal Gels as Injectable Multiparticle Shedding Platforms. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 31282-31291	9.5	4
699	Enzymatically degradable, starch-based layer-by-layer films: application to cytocompatible single-cell nanoencapsulation. <i>Soft Matter</i> , <b>2020</b> , 16, 6063-6071	3.6	8
698	Extraction and Physicochemical Characterization of Chitin from Sloughs of the South-Eastern French Mediterranean Basin. <i>Molecules</i> , <b>2020</b> , 25,	4.8	8
697	Thin Silica-Based Microsheets with Controlled Geometry. <i>European Journal of Inorganic Chemistry</i> , <b>2020</b> , 2020, 1574-1578	2.3	1

696	Role of active nanoliposomes in the surface and bulk mechanical properties of hybrid hydrogels. <i>Materials Today Bio</i> , <b>2020</b> , 6, 100046	9.9	11
695	Cell Behavior within Nanogrooved Sandwich Culture Systems. <i>Small</i> , <b>2020</b> , 16, e2001975	11	4
694	Hydrogel 3D in vitro tumor models for screening cell aggregation mediated drug response. <i>Biomaterials Science</i> , <b>2020</b> , 8, 1855-1864	7.4	43
693	Cell Encapsulation Systems Toward Modular Tissue Regeneration: From Immunoisolation to Multifunctional Devices. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 1908061	15.6	16
692	Coffee Melanoidin-Based Multipurpose Film Formation: Application to Single-Cell Nanoencapsulation. <i>ChemNanoMat</i> , <b>2020</b> , 6, 379-385	3.5	13
691	Responsive laminarin-boronic acid self-healing hydrogels for biomedical applications. <i>Polymer Journal</i> , <b>2020</b> , 52, 997-1006	2.7	18
690	Novel Biodegradable Laminarin Microparticles for Biomedical Applications. <i>Bulletin of the Chemical Society of Japan</i> , <b>2020</b> , 93, 713-719	5.1	12
689	Freeform 3D printing using a continuous viscoelastic supporting matrix. <i>Biofabrication</i> , <b>2020</b> , 12, 035017	10.5	20
688	Mechanochemical Patternable ECM-Mimetic Hydrogels for Programmed Cell Orientation. <i>Advanced Healthcare Materials</i> , <b>2020</b> , 9, e1901860	10.1	19
687	Biomorphs: Complex Morphogenesis by a Model Intrinsically Disordered Protein (Small 51/2020). <i>Small</i> , <b>2020</b> , 16, 2070276	11	
686	Recent progresses in the adsorption of organic, inorganic, and gas compounds by MCM-41-based mesoporous materials. <i>Microporous and Mesoporous Materials</i> , <b>2020</b> , 291, 109698	5.3	69
685	Bioactive silica nanoparticles with calcium and phosphate for single dose osteogenic differentiation. <i>Materials Science and Engineering C</i> , <b>2020</b> , 107, 110348	8.3	12
684	Designing multigradient biomaterials for skin regeneration. <i>Materials Today Advances</i> , <b>2020</b> , 5, 100051	7.4	23
683	Biomedical applications of laminarin. <i>Carbohydrate Polymers</i> , <b>2020</b> , 232, 115774	10.3	56
682	Advanced Bottom-Up Engineering of Living Architectures. <i>Advanced Materials</i> , <b>2020</b> , 32, e1903975	24	65
681	Multi-layer pre-vascularized magnetic cell sheets for bone regeneration. <i>Biomaterials</i> , <b>2020</b> , 231, 119664	15.6	34
680	One-Step Rapid Fabrication of Cell-Only Living Fibers. <i>Advanced Materials</i> , <b>2020</b> , 32, e1906305	24	13
679	Curcumin Loaded Nanoliposomes Localization by Nanoscale Characterization. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	6

678	Geometrically Controlled Liquefied Capsules for Modular Tissue Engineering Strategies. <i>Advanced Biology</i> , <b>2020</b> , 4, e2000127	3.5	5
677	Complex-shaped magnetic 3D cell-based structures for tissue engineering. <i>Acta Biomaterialia</i> , <b>2020</b> , 118, 18-31	10.8	3
676	Bioinspired biomaterials to develop cell-rich spherical microtissues for 3D in vitro tumor modeling <b>2020</b> , 43-65		1
675	Complex Morphogenesis by a Model Intrinsically Disordered Protein. <i>Small</i> , <b>2020</b> , 16, e2005191	11	4
674	Differential Modulation of the Phospholipidome of Proinflammatory Human Macrophages by the Flavonoids Quercetin, Naringin and Naringenin. <i>Molecules</i> , <b>2020</b> , 25,	4.8	2
673	In Situ Cross-Linking of Artificial Basement Membranes in 3D Tissues and Their Size-Dependent Molecular Permeability. <i>Biomacromolecules</i> , <b>2020</b> , 21, 4923-4932	6.9	1
672	Modeling of Cell-Mediated Self-Assembled Colloidal Scaffolds. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 48321-48328	9.5	2
671	Dynamic Electrophoretic Assembly of MetalPhenolic Films: Accelerated Formation and Cytocompatible Detachment. <i>Chemistry of Materials</i> , <b>2020</b> , 32, 7746-7753	9.6	11
670	Efficient Single-Dose Induction of Osteogenic Differentiation of Stem Cells Using Multi-Bioactive Hybrid Nanocarriers. <i>Advanced Biology</i> , <b>2020</b> , 4, e2000123	3.5	6
669	Leachable-Free Fabrication of Hydrogel Foams Enabling Homogeneous Viability of Encapsulated Cells in Large-Volume Constructs. <i>Advanced Healthcare Materials</i> , <b>2020</b> , 9, e2000543	10.1	4
668	Human Platelet Lysates-Based Hydrogels: A Novel Personalized 3D Platform for Spheroid Invasion Assessment. <i>Advanced Science</i> , <b>2020</b> , 7, 1902398	13.6	18
667	Oxidized Cashew Gum Scaffolds for Tissue Engineering. <i>Macromolecular Materials and Engineering</i> , <b>2019</b> , 304, 1800574	3.9	17
666	Temperature-responsive nanomagnetic logic gates for cellular hyperthermia. <i>Materials Horizons</i> , <b>2019</b> , 6, 524-530	14.4	5
665	Cell encapsulation in liquified compartments: Protocol optimization and challenges. <i>PLoS ONE</i> , <b>2019</b> , 14, e0218045	3.7	10
664	Surface Micro- and Nanoengineering: Applications of Layer-by-Layer Technology as a Versatile Tool to Control Cellular Behavior. <i>Small</i> , <b>2019</b> , 15, e1901228	11	29
663	In-air production of 3D co-culture tumor spheroid hydrogels for expedited drug screening. <i>Acta Biomaterialia</i> , <b>2019</b> , 94, 392-409	10.8	48
662	Status and future scope of plant-based green hydrogels in biomedical engineering. <i>Applied Materials Today</i> , <b>2019</b> , 16, 213-246	6.6	100
661	Mechanical Properties of Ca-Saturated Hydrogels with Functionalized Alginate. <i>Gels</i> , <b>2019</b> , 5,	4.2	9

660	Antibacterial free-standing polysaccharide composite films inspired by the sea. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 133, 933-944	7.9	13
659	Microparticles in Contact with Cells: From Carriers to Multifunctional Tissue Modulators. <i>Trends in Biotechnology</i> , <b>2019</b> , 37, 1011-1028	15.1	51
658	Physical immobilization of particles inspired by pollination. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 5405-5410	11.5	3
657	Smart Instructive Polymer Substrates for Tissue Engineering <b>2019</b> , 411-438		6
656	Nanogrooved microdiscs for bottom-up modulation of osteogenic differentiation. <i>Nanoscale</i> , <b>2019</b> , 11, 16214-16221	7.7	10
655	Supramolecular Presentation of Hyaluronan onto Model Surfaces for Studying the Behavior of Cancer Stem Cells. <i>Advanced Biology</i> , <b>2019</b> , 3, e1900017	3.5	2
654	Screening of perfused combinatorial 3D microenvironments for cell culture. <i>Acta Biomaterialia</i> , <b>2019</b> , 96, 222-236	10.8	6
653	Bioactive Glass-Polymer Nanocomposites for Bone Tissue Regeneration Applications: A Review. <i>Advanced Engineering Materials</i> , <b>2019</b> , 21, 1900287	3.5	21
652	Flavonoid-mediated immunomodulation of human macrophages involves key metabolites and metabolic pathways. <i>Scientific Reports</i> , <b>2019</b> , 9, 14906	4.9	18
651	Liquefied Microcapsules as Dual-Microcarriers for 3D+3D Bottom-Up Tissue Engineering. <i>Advanced Healthcare Materials</i> , <b>2019</b> , 8, e1901221	10.1	13
650	Dynamic microfactories co-encapsulating osteoblastic and adipose-derived stromal cells for the biofabrication of bone units. <i>Biofabrication</i> , <b>2019</b> , 12, 015005	10.5	17
649	Recent advances on open fluidic systems for biomedical applications: A review. <i>Materials Science and Engineering C</i> , <b>2019</b> , 97, 851-863	8.3	35
648	3D collagen microfibers stimulate the functionality of preadipocytes and maintain the phenotype of mature adipocytes for long term cultures. <i>Acta Biomaterialia</i> , <b>2019</b> , 84, 194-207	10.8	36
647	Three-Dimensional Osteosarcoma Models for Advancing Drug Discovery and Development. <i>Advanced Therapeutics</i> , <b>2019</b> , 2, 1800108	4.9	9
646	Sequentially Moldable and Bondable Four-Dimensional Hydrogels Compatible with Cell Encapsulation. <i>Biomacromolecules</i> , <b>2018</b> , 19, 2742-2749	6.9	13
645	Cell-Based Microarrays Using Superhydrophobic Platforms Patterned with Wettable Regions. <i>Methods in Molecular Biology</i> , <b>2018</b> , 1771, 11-26	1.4	2
644	Strategic Advances in Formation of Cell-in-Shell Structures: From Syntheses to Applications. <i>Advanced Materials</i> , <b>2018</b> , 30, e1706063	24	69
643	Adhesive free-standing multilayer films containing sulfated levan for biomedical applications. <i>Acta Biomaterialia</i> , <b>2018</b> , 69, 183-195	10.8	42



642	Stimuli-responsive nanocarriers for delivery of bone therapeutics - Barriers and progresses. <i>Journal of Controlled Release</i> , <b>2018</b> , 273, 51-67	11.7	52
641	The effects of platelet lysate patches on the activity of tendon-derived cells. <i>Acta Biomaterialia</i> , <b>2018</b> , 68, 29-40	10.8	17
640	Nanostructured Biopolymer/Few-Layer Graphene Freestanding Films with Enhanced Mechanical and Electrical Properties. <i>Macromolecular Materials and Engineering</i> , <b>2018</b> , 303, 1700316	3.9	5
639	Novel Antibacterial and Bioactive Silicate Glass Nanoparticles for Biomedical Applications. <i>Advanced Engineering Materials</i> , <b>2018</b> , 20, 1700855	3.5	6
638	Biomaterials for drug delivery patches. <i>European Journal of Pharmaceutical Sciences</i> , <b>2018</b> , 118, 49-66	5.1	63
637	Patterned superhydrophobic surfaces to process and characterize biomaterials and 3D cell culture. <i>Materials Horizons</i> , <b>2018</b> , 5, 379-393	14.4	37
636	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> , <b>2018</b> , 2, 1700069	3.5	12
635	Gellan gum-hydroxyapatite composite spongy-like hydrogels for bone tissue engineering. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2018</b> , 106, 479-490	5.4	39
634	Preparation of Well-Dispersed Chitosan/Alginate Hollow Multilayered Microcapsules for Enhanced Cellular Internalization. <i>Molecules</i> , <b>2018</b> , 23,	4.8	21
633	Injectable gellan-gum/hydroxyapatite-based bilayered hydrogel composites for osteochondral tissue regeneration. <i>Applied Materials Today</i> , <b>2018</b> , 12, 309-321	6.6	29
632	Bioinspired bone therapies using naringin: applications and advances. <i>Drug Discovery Today</i> , <b>2018</b> , 23, 1293-1304	8.8	30
631	Blood Plasma Derivatives for Tissue Engineering and Regenerative Medicine Therapies. <i>Tissue Engineering - Part B: Reviews</i> , <b>2018</b> , 24, 454-462	7.9	33
630	Design Principles and Multifunctionality in Cell Encapsulation Systems for Tissue Regeneration. <i>Advanced Healthcare Materials</i> , <b>2018</b> , 7, e1701444	10.1	12
629	Bioinstructive Naringin-Loaded Micelles for Guiding Stem Cell Osteodifferentiation. <i>Advanced Healthcare Materials</i> , <b>2018</b> , 7, e1800890	10.1	12
628	Multifunctional laminarin microparticles for cell adhesion and expansion. <i>Carbohydrate Polymers</i> , <b>2018</b> , 202, 91-98	10.3	18
627	Tuneable spheroidal hydrogel particles for cell and drug encapsulation. <i>Soft Matter</i> , <b>2018</b> , 14, 5622-5627	3.6	17
626	Strontium-Doped Bioactive Glass Nanoparticles in Osteogenic Commitment. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 23311-23320	9.5	37
625	Iron Gall Ink Revisited: In Situ Oxidation of Fe(II)-Tannin Complex for Fluidic-Interface Engineering. <i>Advanced Materials</i> , <b>2018</b> , 30, e1805091	24	45

624	Photopolymerizable Platelet Lysate Hydrogels for Customizable 3D Cell Culture Platforms. <i>Advanced Healthcare Materials</i> , <b>2018</b> , 7, e1800849	10.1	22
623	Bioactive Hydrogel Marbles. <i>Scientific Reports</i> , <b>2018</b> , 8, 15215	4.9	6
622	Bioinstructive microparticles for self-assembly of mesenchymal stem Cell-3D tumor spheroids. <i>Biomaterials</i> , <b>2018</b> , 185, 155-173	15.6	41
621	Bone physiology as inspiration for tissue regenerative therapies. <i>Biomaterials</i> , <b>2018</b> , 185, 240-275	15.6	145
620	Design of spherically structured 3D in vitro tumor models -Advances and prospects. <i>Acta Biomaterialia</i> , <b>2018</b> , 75, 11-34	10.8	94
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616	Flexible method for fabricating protein patterns on superhydrophobic platforms controlled by magnetic field. <i>Biomaterials Science</i> , <b>2017</b> , 5, 408-411	7.4	7
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473	Photopatterned antibodies for selective cell attachment. <i>Langmuir</i> , <b>2014</b> , 30, 10066-71	4	26
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467	Functionalized cork-polymer composites (CPC) by reactive extrusion using suberin and lignin from cork as coupling agents. <i>Composites Part B: Engineering</i> , <b>2014</b> , 67, 371-380	10	41
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460	Cellular uptake of multilayered capsules produced with natural and genetically engineered biomimetic macromolecules. <i>Acta Biomaterialia</i> , <b>2014</b> , 10, 2653-62	10.8	26
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458	Polypropylene-based cork-polymer composites: Processing parameters and properties. <i>Composites Part B: Engineering</i> , <b>2014</b> , 66, 210-223	10	37
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446	Nanostructured hollow tubes based on chitosan and alginate multilayers. <i>Advanced Healthcare Materials</i> , <b>2014</b> , 3, 433-40	10.1	46
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346	Lessons from Sea Organisms to Produce New Biomedical Adhesives <b>2012</b> , 273-291		2
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343	Nanostructures and Nanostructured Networks for Smart Drug Delivery <b>2012</b> , 417-458		1
342	Tissue Analogs by the Assembly of Engineered Hydrogel Blocks <b>2012</b> , 471-493		5
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