Catarina A CustÃ³dio

List of Publications by Year
in descending order

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Version: 2024-02-01

40	1,567	304743	315739
papers	citations	22 h-index	38 g-index

40	40	40	2350
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Bioinspired Degradable Substrates with Extreme Wettability Properties. Advanced Materials, 2009, 21, 1830-1834.	21.0	174
2	Biomedical applications of laminarin. Carbohydrate Polymers, 2020, 232, 115774.	10.2	103
3	High-throughput evaluation of interactions between biomaterials, proteins and cells using patterned superhydrophobic substrates. Soft Matter, 2011, 7, 4147.	2.7	99
4	Layerâ€byâ€Layer Assembly of Chitosan and Recombinant Biopolymers into Biomimetic Coatings with Multiple Stimuliâ€Responsive Properties. Small, 2011, 7, 2640-2649.	10.0	97
5	Stimuliâ€Responsive Thin Coatings Using Elastinâ€Like Polymers for Biomedical Applications. Advanced Functional Materials, 2009, 19, 3210-3218.	14.9	83
6	Engineering Biomolecular Microenvironments for Cell Instructive Biomaterials. Advanced Healthcare Materials, 2014, 3, 797-810.	7.6	71
7	Immobilization of fibronectin in chitosan substrates improves cell adhesion and proliferation. Journal of Tissue Engineering and Regenerative Medicine, 2010, 4, 316-323.	2.7	69
8	Cell selective chitosan microparticles as injectable cell carriers for tissue regeneration. Biomaterials, 2015, 43, 23-31.	11.4	67
9	Cell Surface Engineering to Control Cellular Interactions. ChemNanoMat, 2016, 2, 376-384.	2.8	65
10	Photo-Cross-Linked Laminarin-Based Hydrogels for Biomedical Applications. Biomacromolecules, 2016, 17, 1602-1609.	5.4	63
11	Biomimetic Miniaturized Platform Able to Sustain Arrays of Liquid Droplets for Highâ€Throughput Combinatorial Tests. Advanced Functional Materials, 2014, 24, 5096-5103.	14.9	58
12	Layerâ€Byâ€Layer Technique for Producing Porous Nanostructured 3D Constructs Using Moldable Freeform Assembly of Spherical Templates. Small, 2010, 6, 2644-2648.	10.0	52
13	Nanostructured Hollow Tubes Based on Chitosan and Alginate Multilayers. Advanced Healthcare Materials, 2014, 3, 433-440.	7.6	48
14	Autonomous osteogenic differentiation of hASCs encapsulated in methacrylated gellan-gum hydrogels. Acta Biomaterialia, 2016, 41, 119-132.	8.3	47
15	Biomimetic Methodology to Produce Polymeric Multilayered Particles for Biotechnological and Biomedical Applications. Small, 2013, 9, 2487-2492.	10.0	46
16	Functionalized Microparticles Producing Scaffolds in Combination with Cells. Advanced Functional Materials, 2014, 24, 1391-1400.	14.9	39
17	Perinatal tissues and cells in tissue engineering and regenerative medicine. Acta Biomaterialia, 2020, 110, 1-14.	8.3	39
18	Photopolymerizable Platelet Lysate Hydrogels for Customizable 3D Cell Culture Platforms. Advanced Healthcare Materials, 2018, 7, e1800849.	7.6	38

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19	Nanostructured and thermoresponsive recombinant biopolymer-based microcapsules for the delivery of active molecules. Nanomedicine: Nanotechnology, Biology, and Medicine, 2013, 9, 895-902.	3.3	37
20	Human Platelet Lysatesâ€Based Hydrogels: A Novel Personalized 3D Platform for Spheroid Invasion Assessment. Advanced Science, 2020, 7, 1902398.	11.2	31
21	Photopatterned Antibodies for Selective Cell Attachment. Langmuir, 2014, 30, 10066-10071.	3.5	27
22	Multifunctional laminarin microparticles for cell adhesion and expansion. Carbohydrate Polymers, 2018, 202, 91-98.	10.2	25
23	Bioengineering a humanized 3D tri-culture osteosarcoma model to assess tumor invasiveness and therapy response. Acta Biomaterialia, 2021, 134, 204-214.	8.3	22
24	Multilayered Hollow Tubes as Blood Vessel Substitutes. ACS Biomaterials Science and Engineering, 2016, 2, 2304-2314.	5.2	19
25	Platelet lysates-based hydrogels incorporating bioactive mesoporous silica nanoparticles for stem cell osteogenic differentiation. Materials Today Bio, 2021, 9, 100096.	5.5	19
26	Selective Cell Recruitment and Spatially Controlled Cell Attachment on Instructive Chitosan Surfaces Functionalized with Antibodies. Biointerphases, 2012, 7, 65.	1.6	18
27	Multilayered membranes with tuned well arrays to be used as regenerative patches. Acta Biomaterialia, 2017, 57, 313-323.	8.3	17
28	Threeâ€Dimensional Osteosarcoma Models for Advancing Drug Discovery and Development. Advanced Therapeutics, 2019, 2, 1800108.	3.2	16
29	Coreâ€“shell microcapsules: biofabrication and potential applications in tissue engineering and regenerative medicine. Biomaterials Science, 2022, 10, 2122-2153.	5.4	11
30	Human Proteinâ€Based Porous Scaffolds as Platforms for Xenoâ€Free 3D Cell Culture. Advanced Healthcare Materials, 2022, 11, e2102383.	7.6	11
31	Modeling of Cell-Mediated Self-Assembled Colloidal Scaffolds. ACS Applied Materials & Interfaces, 2020, 12, 48321-48328.	8.0	10
32	Self-glucose feeding hydrogels by enzyme empowered degradation for 3D cell culture. Materials Horizons, 2022, 9, 694-707.	12.2	10
33	Light responsive multilayer surfaces with controlled spatial extinction capability. Journal of Materials Chemistry B, 2016, 4, 1398-1404.	5.8	9
34	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
35	Smart Instructive Polymer Substrates for Tissue Engineering. , 2019, , 411-438.		7
36	Smart instructive polymer substrates for tissue engineering. , 2014, , 301-326.		4

#	Article	IF	Citations
37	High-Throughput Production of Microsponges from Platelet Lysate for Tissue Engineering Applications. Tissue Engineering - Part C: Methods, 2022, 28, 325-334.	2.1	3
38	Layer-by-layer assembly: Layer-By-Layer Technique for Producing Porous Nanostructured 3D Constructs Using Moldable Freeform Assembly of Spherical Templates (Small 23/2010). Small, 2010, 6, 2643-2643.	10.0	2
39	Polymer Particles: Biomimetic Methodology to Produce Polymeric Multilayered Particles for Biotechnological and Biomedical Applications (Small 15/2013). Small, 2013, 9, 2486-2486.	10.0	2
40	Superhydrophobic Coatings: Bioinspired Degradable Substrates with Extreme Wettability Properties (Adv. Mater. 18/2009). Advanced Materials, 2009, 21, NA-NA.	21.0	1