Sandra L Arias

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1951652/publications.pdf

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14	217	1163117 8	1372567 10
papers	citations	h-index	g-index

16	16	16	303
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Magnetic targeting of smooth muscle cells in vitro using a magnetic bacterial cellulose to improve cell retention in tissue-engineering vascular grafts. Acta Biomaterialia, 2018, 77, 172-181.	8.3	56
2	Bacterial Nanocellulose Magnetically Functionalized for Neuroâ€Endovascular Treatment. Macromolecular Bioscience, 2017, 17, 1600382.	4.1	31
3	Fabrication of a Functionalized Magnetic Bacterial Nanocellulose with Iron Oxide Nanoparticles. Journal of Visualized Experiments, 2016, , .	0.3	24
4	Bacterial Envelope Damage Inflicted by Bioinspired Nanostructures Grown in a Hydrogel. ACS Applied Bio Materials, 2020, 3, 7974-7988.	4.6	22
5	Escherichia coli Adhesion and Biofilm Formation on Polydimethylsiloxane are Independent of Substrate Stiffness. Langmuir, 2021, 37, 16-25.	3.5	22
6	Ion-Induced Nanopatterning of Bacterial Cellulose Hydrogels for Biosensing and Anti-Biofouling Interfaces. ACS Applied Nano Materials, 2020, 3, 6719-6728.	5.0	15
7	Designing Nanostructured Ti₆Al₄V Bioactive Interfaces with Directed Irradiation Synthesis toward Cell Stimulation to Promote Hostâ€“Tissue-Implant Integration. ACS Biomaterials Science and Engineering, 2019, 5, 3325-3339.	5.2	13
8	Biophysical determinants of biofilm formation in the gut. Current Opinion in Biomedical Engineering, 2021, 18, 100275.	3.4	10
9	Directed Irradiation Synthesis as an Advanced Plasma Technology for Surface Modification to Activate Porous and â€œas-receivedâ€•Titanium Surfaces. Metals, 2019, 9, 1349.	2.3	8
10	Balancing biofunctional and biomechanical properties using porous titanium reinforced by carbon nanotubes. Journal of Biomedical Materials Research - Part A, 2019, 107, 719-731.	4.0	6
11	A new nanostructured material for regenerative vascular treatments: Magnetic bacterial nanocellulose (MBNC). , 2013, , .		3
12	Nanostructured Biointerfaces. , 2017, , 41-72.		3
13	New biomaterial for treatment of penetrating brain injury (PBI) aneurysms: Nanostructured NiTi by directed irradiation synthesis (DIS). , 2013, , .		1
14	Bioinspired Interfaces for the Management of Skin Infections. , 2020, , 457-476.		0