

Sandra L Arias

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

217
citations

1163117

8
h-index

1372567

10
g-index

16
all docs

16
docs citations

16
times ranked

303
citing authors

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