

Rebecca A Scott

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

451
citations

687363

13
h-index

752698

20
g-index

21
all docs

21
docs citations

21
times ranked

786
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>50th Anniversary Perspective</i>: Polymeric Biomaterials: Diverse Functions Enabled by Advances in Macromolecular Chemistry. <i>Macromolecules</i> , 2017, 50, 483-502.	4.8	55
2	Thermoresponsive Elastin-<i>b</i>-Collagen-Like Peptide Bioconjugate Nanovesicles for Targeted Drug Delivery to Collagen-Containing Matrices. <i>Biomacromolecules</i> , 2017, 18, 2539-2551.	5.4	51
3	Inhibition of monocyte-like cell extravasation protects from neurodegeneration in DBA/2J glaucoma. <i>Molecular Neurodegeneration</i> , 2019, 14, 6.	10.8	49
4	Glycosaminoglycans in biomedicine. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2013, 5, 388-398.	6.1	37
5	Decorin Mimic Inhibits Vascular Smooth Muscle Proliferation and Migration. <i>PLoS ONE</i> , 2013, 8, e82456.	2.5	32
6	Controlling the Release of Small, Bioactive Proteins via Dual Mechanisms with Therapeutic Potential. <i>Advanced Healthcare Materials</i> , 2017, 6, 1700713.	7.6	27
7	Modular poly(ethylene glycol) scaffolds provide the ability to decouple the effects of stiffness and protein concentration on PC12 cells. <i>Acta Biomaterialia</i> , 2011, 7, 3841-3849.	8.3	25
8	Poly(ethylene glycol) Microparticles Produced by Precipitation Polymerization in Aqueous Solution. <i>Biomacromolecules</i> , 2011, 12, 844-850.	5.4	24
9	Characterization of poly(ethylene glycol) gels with added collagen for neural tissue engineering. <i>Journal of Biomedical Materials Research - Part A</i> , 2010, 93A, 817-823.	4.0	23
10	Decorin Mimic Regulates Platelet-Derived Growth Factor and Interferon- β Stimulation of Vascular Smooth Muscle Cells. <i>Biomacromolecules</i> , 2014, 15, 2090-2103.	5.4	23
11	Substrate stiffness directs the phenotype and polarization state of cord blood derived macrophages. <i>Acta Biomaterialia</i> , 2021, 122, 220-235.	8.3	19
12	Multi-stimuli-responsive, liposome-crosslinked poly(ethylene glycol) hydrogels for drug delivery. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2021, 32, 635-656.	3.5	16
13	Macromolecular Approaches to Prevent Thrombosis and Intimal Hyperplasia Following Percutaneous Coronary Intervention. <i>Biomacromolecules</i> , 2014, 15, 2825-2832.	5.4	14
14	Aortic adventitial fibroblast sensitivity to mitogen activated protein kinase inhibitors depends on substrate stiffness. <i>Biomaterials</i> , 2017, 137, 1-10.	11.4	14
15	Decorin mimic promotes endothelial cell health in endothelial monolayers and endothelial-smooth muscle co-cultures. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2017, 11, 1365-1376.	2.7	11
16	Human Adventitial Fibroblast Phenotype Depends on the Progression of Changes in Substrate Stiffness. <i>Advanced Healthcare Materials</i> , 2020, 9, 1901593.	7.6	10
17	Water soluble polymer films for intravascular drug delivery of antithrombotic biomolecules. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2013, 84, 125-131.	4.3	9
18	Reduced arterial elasticity due to surgical skeletonization is ameliorated by abluminal PEG hydrogel. <i>Bioengineering and Translational Medicine</i> , 2017, 2, 222-232.	7.1	8

#	ARTICLE	IF	CITATIONS
19	Promoting Effective Student Teamwork Through Deliberate Instruction, Documentation, Accountability, and Assessment. <i>Biomedical Engineering Education</i> , 2021, 1, 221-227.	0.7	2
20	Regulation of neovascuogenesis in co-cultures of aortic adventitial fibroblasts and microvascular endothelial cells by cell-cell interactions and TGF- β 2/ALK5 signaling. <i>PLoS ONE</i> , 2020, 15, e0244243.	2.5	2