Chris A Bashur

List of Publications by Year
in descending order

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32 papers	1,860 citations	516215 16 h-index	433756 31 g-index
33 all docs	33 docs citations	33 times ranked	3066 citing authors

#	Article	IF	Citations
1	Threeâ€dimensional printing of <scp>cellâ€laden</scp> microporous constructs using blended bioinks. Journal of Biomedical Materials Research - Part A, 2022, 110, 535-546.	2.1	10
2	Peritoneal Pre-conditioning Method for In Vivo Vascular Graft Maturation Utilizing a Porous Pouch. Methods in Molecular Biology, 2022, 2375, 91-99.	0.4	1
3	Reduced Platelet Adhesion for Blended Electrospun Meshes with Low Amounts of Collagen Type I. Macromolecular Bioscience, 2021, , 2100267.	2.1	1
4	Design and characterization of a porous pouch to prevent peritoneal adhesions during in vivo vascular graft maturation. Journal of the Mechanical Behavior of Biomedical Materials, 2020, 102, 103461.	1.5	5
5	Gasotransmitters: Antimicrobial Properties and Impact on Cell Growth for Tissue Engineering. , 2020, , 183-205.		1
6	Poly(butyl cyanoacrylate) nanoparticle containing an organic photoCORM. Photochemical and Photobiological Sciences, 2019, 18, 2666-2672.	1.6	8
7	Electrochemical fabrication of a biomimetic elastin-containing bi-layered scaffold for vascular tissue engineering. Biofabrication, 2019, 11, 015007.	3.7	29
8	Rapid generation of threeâ€dimensional microchannels for vascularization using a subtractive printing technique. Journal of Biophotonics, 2018, 11, e201700226.	1.1	6
9	Temporal changes in peritoneal cell phenotype and neoelastic matrix induction with hyaluronan oligomers and TGF-Î²1 after implantation of engineered conduits. Journal of Tissue Engineering and Regenerative Medicine, 2018, 12, 1420-1431.	1.3	6
10	Compositions Including Synthetic and Natural Blends for Integration and Structural Integrity: Engineered for Different Vascular Graft Applications. Advanced Healthcare Materials, 2017, 6, 1700001.	3.9	25
11	Peritoneal pre-conditioning reduces macrophage marker expression in collagen-containing engineered vascular grafts. Acta Biomaterialia, 2017, 64, 80-93.	4.1	13
12	Delivery of Antioxidant and Anti-inflammatory Agents for Tissue Engineered Vascular Grafts. Frontiers in Pharmacology, 2017, 8, 659.	1.6	31
13	Impact of elastin incorporation into electrochemically aligned collagen fibers on mechanical properties and smooth muscle cell phenotype. Biomedical Materials (Bristol), 2016, 11, 025008.	1.7	37
14	Incorporation of photo-carbon monoxide releasing materials into electrospun scaffolds for vascular tissue engineering. Biomedical Materials (Bristol), 2016, 11, 025009.	1.7	17
15	Collagen incorporation within electrospun conduits reduces lipid oxidation and impacts conduit mechanics. Biomedical Materials (Bristol), 2016, 11, 025019.	1.7	9
16	Silica-coated gold nanostars for surface-enhanced resonance Raman spectroscopy mapping of integrins in breast cancer cells. Proceedings of SPIE, 2015, , .	0.8	4
17	Impact of Cyclic Stretch on Induced Elastogenesis Within Collagenous Conduits. Tissue Engineering - Part A, 2014, 20, 1403-1415.	1.6	23
18	Composition of intraperitoneally implanted electrospun conduits modulates cellular elastic matrix generation. Acta Biomaterialia, 2014, 10, 163-172.	4.1	11

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19	124 PATHOPHYSIOLOGIC CHANGES IN LOXL-1 KNOCKOUT MOUSE WITH PELVIC FLOOR DYSFUNCTION INDUCE A COMPENSATORY AND ABERRANT ELASTIN REGENERATIVE RESPONSE BY VAGINAL SMOOTH MUSCLE CELLS. Journal of Urology, 2013, 189, .	0.2	1
20	Impact of Electrospun Conduit Fiber Diameter and Enclosing Pouch Pore Size on Vascular Constructs Grown Within Rat Peritoneal Cavities. Tissue Engineering - Part A, 2013, 19, 809-823.	1.6	16
21	Perspectives on Stem Cell-Based Elastic Matrix Regenerative Therapies for Abdominal Aortic Aneurysms. Stem Cells Translational Medicine, 2013, 2, 401-408.	1.6	12
22	Nerve Growth Factor-Immobilized Electrically Conducting Fibrous Scaffolds for Potential Use in Neural Engineering Applications. IEEE Transactions on Nanobioscience, 2012, 11, 15-21.	2.2	93
23	Tissue Engineering and Regenerative Strategies to Replicate Biocomplexity of Vascular Elastic Matrix Assembly. Tissue Engineering - Part B: Reviews, 2012, 18, 203-217.	2.5	48
24	Advances in biomimetic regeneration of elastic matrix structures. Drug Delivery and Translational Research, 2012, 2, 323-350.	3.0	29
25	Aligned electrospun scaffolds and elastogenic factors for vascular cell-mediated elastic matrix assembly. Journal of Tissue Engineering and Regenerative Medicine, 2012, 6, 673-686.	1.3	22
26	Hydrogelâ€“Electrospun Mesh Composites for Coronary Artery Bypass Grafts. Tissue Engineering - Part C: Methods, 2011, 17, 451-461.	1.1	51
27	Perspectives on Strategies to Direct Elastic Matrix Assembly. Journal of Tissue Science & Engineering, 2011, 02, .	0.2	1
28	Enhanced polarization of embryonic hippocampal neurons on micron scale electrospun fibers. Journal of Biomedical Materials Research - Part A, 2010, 92A, 1398-1406.	2.1	32
29	Polypyrrole-coated electrospun PLGA nanofibers for neural tissue applications. Biomaterials, 2009, 30, 4325-4335.	5.7	659
30	Effect of Fiber Diameter and Alignment of Electrospun Polyurethane Meshes on Mesenchymal Progenitor Cells. Tissue Engineering - Part A, 2009, 15, 2435-2445.	1.6	188
31	Computational predictions of the tensile properties of electrospun fibre meshes: Effect of fibre diameter and fibre orientation. Journal of the Mechanical Behavior of Biomedical Materials, 2008, 1, 326-335.	1.5	122
32	Effect of fiber diameter and orientation on fibroblast morphology and proliferation on electrospun poly(d,l-lactic-co-glycolic acid) meshes. Biomaterials, 2006, 27, 5681-5688.	5.7	349