

# Chris A Bashur

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Polypyrrole-coated electrospun PLGA nanofibers for neural tissue applications. <i>Biomaterials</i> , 2009, 30, 4325-4335.	5.7	659
2	Effect of fiber diameter and orientation on fibroblast morphology and proliferation on electrospun poly(d,l-lactic-co-glycolic acid) meshes. <i>Biomaterials</i> , 2006, 27, 5681-5688.	5.7	349
3	Effect of Fiber Diameter and Alignment of Electrospun Polyurethane Meshes on Mesenchymal Progenitor Cells. <i>Tissue Engineering - Part A</i> , 2009, 15, 2435-2445.	1.6	188
4	Computational predictions of the tensile properties of electrospun fibre meshes: Effect of fibre diameter and fibre orientation. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2008, 1, 326-335.	1.5	122
5	Nerve Growth Factor-Immobilized Electrically Conducting Fibrous Scaffolds for Potential Use in Neural Engineering Applications. <i>IEEE Transactions on Nanobioscience</i> , 2012, 11, 15-21.	2.2	93
6	Hydrogel- $\epsilon$ Electrospun Mesh Composites for Coronary Artery Bypass Grafts. <i>Tissue Engineering - Part C: Methods</i> , 2011, 17, 451-461.	1.1	51
7	Tissue Engineering and Regenerative Strategies to Replicate Biocomplexity of Vascular Elastic Matrix Assembly. <i>Tissue Engineering - Part B: Reviews</i> , 2012, 18, 203-217.	2.5	48
8	Impact of elastin incorporation into electrochemically aligned collagen fibers on mechanical properties and smooth muscle cell phenotype. <i>Biomedical Materials (Bristol)</i> , 2016, 11, 025008.	1.7	37
9	Enhanced polarization of embryonic hippocampal neurons on micron scale electrospun fibers. <i>Journal of Biomedical Materials Research - Part A</i> , 2010, 92A, 1398-1406.	2.1	32
10	Delivery of Antioxidant and Anti-inflammatory Agents for Tissue Engineered Vascular Grafts. <i>Frontiers in Pharmacology</i> , 2017, 8, 659.	1.6	31
11	Advances in biomimetic regeneration of elastic matrix structures. <i>Drug Delivery and Translational Research</i> , 2012, 2, 323-350.	3.0	29
12	Electrochemical fabrication of a biomimetic elastin-containing bi-layered scaffold for vascular tissue engineering. <i>Biofabrication</i> , 2019, 11, 015007.	3.7	29
13	Compositions Including Synthetic and Natural Blends for Integration and Structural Integrity: Engineered for Different Vascular Graft Applications. <i>Advanced Healthcare Materials</i> , 2017, 6, 1700001.	3.9	25
14	Impact of Cyclic Stretch on Induced Elastogenesis Within Collagenous Conduits. <i>Tissue Engineering - Part A</i> , 2014, 20, 1403-1415.	1.6	23
15	Aligned electrospun scaffolds and elastogenic factors for vascular cell-mediated elastic matrix assembly. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2012, 6, 673-686.	1.3	22
16	Incorporation of photo-carbon monoxide releasing materials into electrospun scaffolds for vascular tissue engineering. <i>Biomedical Materials (Bristol)</i> , 2016, 11, 025009.	1.7	17
17	Impact of Electrospun Conduit Fiber Diameter and Enclosing Pouch Pore Size on Vascular Constructs Grown Within Rat Peritoneal Cavities. <i>Tissue Engineering - Part A</i> , 2013, 19, 809-823.	1.6	16
18	Peritoneal pre-conditioning reduces macrophage marker expression in collagen-containing engineered vascular grafts. <i>Acta Biomaterialia</i> , 2017, 64, 80-93.	4.1	13

#	ARTICLE	IF	CITATIONS
19	Perspectives on Stem Cell-Based Elastic Matrix Regenerative Therapies for Abdominal Aortic Aneurysms. <i>Stem Cells Translational Medicine</i> , 2013, 2, 401-408.	1.6	12
20	Composition of intraperitoneally implanted electrospun conduits modulates cellular elastic matrix generation. <i>Acta Biomaterialia</i> , 2014, 10, 163-172.	4.1	11
21	Three-dimensional printing of cell-laden microporous constructs using blended bioinks. <i>Journal of Biomedical Materials Research - Part A</i> , 2022, 110, 535-546.	2.1	10
22	Collagen incorporation within electrospun conduits reduces lipid oxidation and impacts conduit mechanics. <i>Biomedical Materials (Bristol)</i> , 2016, 11, 025019.	1.7	9
23	Poly(butyl cyanoacrylate) nanoparticle containing an organic photoCORM. <i>Photochemical and Photobiological Sciences</i> , 2019, 18, 2666-2672.	1.6	8
24	Rapid generation of three-dimensional microchannels for vascularization using a subtractive printing technique. <i>Journal of Biophotonics</i> , 2018, 11, e201700226.	1.1	6
25	Temporal changes in peritoneal cell phenotype and neoelastic matrix induction with hyaluronan oligomers and TGF- $\beta$ 1 after implantation of engineered conduits. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018, 12, 1420-1431.	1.3	6
26	Design and characterization of a porous pouch to prevent peritoneal adhesions during in vivo vascular graft maturation. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2020, 102, 103461.	1.5	5
27	Silica-coated gold nanostars for surface-enhanced resonance Raman spectroscopy mapping of integrins in breast cancer cells. <i>Proceedings of SPIE</i> , 2015, , .	0.8	4
28	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. <i>Journal of Urology</i> , 2013, 189, .	0.2	1
29	Peritoneal Pre-conditioning Method for In Vivo Vascular Graft Maturation Utilizing a Porous Pouch. <i>Methods in Molecular Biology</i> , 2022, 2375, 91-99.	0.4	1
30	Perspectives on Strategies to Direct Elastic Matrix Assembly. <i>Journal of Tissue Science &amp; Engineering</i> , 2011, 02, .	0.2	1
31	Reduced Platelet Adhesion for Blended Electrospun Meshes with Low Amounts of Collagen Type I. <i>Macromolecular Bioscience</i> , 2021, , 2100267.	2.1	1
32	Gasotransmitters: Antimicrobial Properties and Impact on Cell Growth for Tissue Engineering. , 2020, , 183-205.		1