

Caroline M Curtin

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

1,654
citations

304602

22
h-index

580701

25
g-index

28
all docs

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docs citations

28
times ranked

2382
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of a Gene-Activated Scaffold Incorporating Multifunctional Cell-Penetrating Peptides for pSDF-1 β Delivery for Enhanced Angiogenesis in Tissue Engineering Applications. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1460.	1.8	15
2	Articulation inspired by nature: a review of biomimetic and biologically active 3D printed scaffolds for cartilage tissue engineering. <i>Biomaterials Science</i> , 2022, 10, 2462-2483.	2.6	19
3	Mechanosignalling in cartilage: an emerging target for the treatment of osteoarthritis. <i>Nature Reviews Rheumatology</i> , 2022, 18, 67-84.	3.5	117
4	The Effect of Fluid Flow Shear Stress and Substrate Stiffness on Yes-Associated Protein (YAP) Activity and Osteogenesis in Murine Osteosarcoma Cells. <i>Cancers</i> , 2021, 13, 3128.	1.7	6
5	Influences of the 3D microenvironment on cancer cell behaviour and treatment responsiveness: A recent update on lung, breast and prostate cancer models. <i>Acta Biomaterialia</i> , 2021, 132, 360-378.	4.1	25
6	Co-culture and 3D tumor models for drug/gene therapy testing. , 2020, , 505-532.		0
7	Layered Double Hydroxide as a Potent Non-viral Vector for Nucleic Acid Delivery Using Gene-Activated Scaffolds for Tissue Regeneration Applications. <i>Pharmaceutics</i> , 2020, 12, 1219.	2.0	26
8	Preclinical models for neuroblastoma: Advances and challenges. <i>Cancer Letters</i> , 2020, 474, 53-62.	3.2	34
9	Rapid bone repair with the recruitment of CD206+M2-like macrophages using non-viral scaffold-mediated miR-133a inhibition of host cells. <i>Acta Biomaterialia</i> , 2020, 109, 267-279.	4.1	30
10	microRNA Modulation. , 2020, , 511-576.		0
11	microRNA Modulation. , 2019, , 1-66.		0
12	Scaffold-Based Delivery of Nucleic Acid Therapeutics for Enhanced Bone and Cartilage Repair. <i>Journal of Orthopaedic Research</i> , 2019, 37, 1671-1680.	1.2	34
13	Harnessing an Inhibitory Role of miR-16 in Osteogenesis by Human Mesenchymal Stem Cells for Advanced Scaffold-Based Bone Tissue Engineering. <i>Tissue Engineering - Part A</i> , 2019, 25, 24-33.	1.6	37
14	A physiologically relevant 3D collagen-based scaffold-neuroblastoma cell system exhibits chemosensitivity similar to orthotopic xenograft models. <i>Acta Biomaterialia</i> , 2018, 70, 84-97.	4.1	49
15	Scaffold-Based microRNA Therapies in Regenerative Medicine and Cancer. <i>Advanced Healthcare Materials</i> , 2018, 7, 1700695.	3.9	55
16	Translating the role of osteogenic-angiogenic coupling in bone formation: Highly efficient chitosan-pDNA activated scaffolds can accelerate bone regeneration in critical-sized bone defects. <i>Biomaterials</i> , 2017, 149, 116-127.	5.7	106
17	Formulation and Evaluation of Anisamide-Targeted Amphiphilic Cyclodextrin Nanoparticles To Promote Therapeutic Gene Silencing in a 3D Prostate Cancer Bone Metastases Model. <i>Molecular Pharmaceutics</i> , 2017, 14, 42-52.	2.3	44
18	Content-Dependent Osteogenic Response of Nanohydroxyapatite: An in Vitro and in Vivo Assessment within Collagen-Based Scaffolds. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 23477-23488.	4.0	70

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19	Nanoparticle-mediated siRNA delivery assessed in a 3D co-culture model simulating prostate cancer bone metastasis. <i>International Journal of Pharmaceutics</i> , 2016, 511, 1058-1069.	2.6	30
20	Next generation bone tissue engineering: non-viral miR-133a inhibition using collagen-nanohydroxyapatite scaffolds rapidly enhances osteogenesis. <i>Scientific Reports</i> , 2016, 6, 27941.	1.6	68
21	A novel collagen-nanohydroxyapatite microRNA-activated scaffold for tissue engineering applications capable of efficient delivery of both miR-mimics and antagomiRs to human mesenchymal stem cells. <i>Journal of Controlled Release</i> , 2015, 200, 42-51.	4.8	85
22	Life in 3D is never flat: 3D models to optimise drug delivery. <i>Journal of Controlled Release</i> , 2015, 215, 39-54.	4.8	184
23	The use of collagen-based scaffolds to simulate prostate cancer bone metastases with potential for evaluating delivery of nanoparticulate gene therapeutics. <i>Biomaterials</i> , 2015, 66, 53-66.	5.7	90
24	Development of a gene-activated scaffold platform for tissue engineering applications using chitosan-pDNA nanoparticles on collagen-based scaffolds. <i>Journal of Controlled Release</i> , 2015, 210, 84-94.	4.8	95
25	Combinatorial Gene Therapy Accelerates Bone Regeneration: Non-viral Dual Delivery of VEGF and BMP2 in a Collagen-nanohydroxyapatite Scaffold. <i>Advanced Healthcare Materials</i> , 2015, 4, 223-227.	3.9	151
26	Non-viral gene-activated matrices. <i>Organogenesis</i> , 2013, 9, 22-28.	0.4	40
27	Innovative Collagen Nano-hydroxyapatite Scaffolds Offer a Highly Efficient Non-viral Gene Delivery Platform for Stem Cell-mediated Bone Formation. <i>Advanced Materials</i> , 2012, 24, 749-754.	11.1	182
28	Mesenchymal Stem Cells and Osteoarthritis: Remedy or Accomplice?. <i>Human Gene Therapy</i> , 2010, 21, 1239-1250.	1.4	62