

Jill E Shea

List of Publications by Year in descending order

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47
papers

3,031
citations

471061

17
h-index

233125

45
g-index

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all docs

49
docs citations

49
times ranked

5701
citing authors

#	ARTICLE	IF	CITATIONS
1	Fluorapatite and fluorohydroxyapatite apatite surfaces drive adipose-derived stem cells to an osteogenic lineage. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2022, 125, 104950.	1.5	4
2	Modeling diffusion-based drug release inside a nerve conduit in vitro and in vivo validation study. <i>Drug Delivery and Translational Research</i> , 2021, 11, 154-168.	3.0	3
3	Reciprocal regulation of pancreatic ductal adenocarcinoma growth and molecular subtype by HNF4 β and SIX1/4. <i>Gut</i> , 2021, 70, 900-914.	6.1	19
4	Histology to 3D in vivo MR registration for volumetric evaluation of MRgFUS treatment assessment biomarkers. <i>Scientific Reports</i> , 2021, 11, 18923.	1.6	2
5	Compression of the vascular wall to create a friction fit in a vascular anastomotic coupler. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2021, 123, 104681.	1.5	2
6	Entrapping bupivacaine-loaded emulsions in a crosslinked-hydrogel increases anesthetic effect and duration in a rat sciatic nerve block model. <i>International Journal of Pharmaceutics</i> , 2020, 588, 119703.	2.6	11
7	Biostable conductive nanocomposite for implantable subdermal antenna. <i>APL Materials</i> , 2020, 8, .	2.2	9
8	Topical Pergolide Enhance Corneal Nerve Regrowth Following Induced Corneal Abrasion. , 2020, 61, 4.		8
9	Designing a Novel Drug Delivering Nerve Guide: A Preliminary Study. <i>Journal of Medical and Biological Engineering</i> , 2019, 39, 294-304.	1.0	3
10	Local FK506 delivery at the direct nerve repair site improves nerve regeneration. <i>Muscle and Nerve</i> , 2019, 60, 613-620.	1.0	18
11	Clitazone loaded fat enhances adiponectin production and inhibits breast cancer cell proliferation. <i>Molecular Biology Reports</i> , 2019, 46, 6485-6494.	1.0	3
12	Protective autophagy elicited by RAF β *MEK β *ERK inhibition suggests a treatment strategy for RAS-driven cancers. <i>Nature Medicine</i> , 2019, 25, 620-627.	15.2	457
13	Drug β delivering nerve conduit improves regeneration in a critical β sized gap. <i>Biotechnology and Bioengineering</i> , 2019, 116, 143-154.	1.7	23
14	A Biodegradable Vascular Coupling Device for End-to-End Anastomosis. <i>Journal of Medical and Biological Engineering</i> , 2018, 38, 715-723.	1.0	2
15	Optimization of micropatterned poly(lactic-co-glycolic acid) films for enhancing dorsal root ganglion cell orientation and extension. <i>Neural Regeneration Research</i> , 2018, 13, 105.	1.6	14
16	Controlled release of FK506 from micropatterned PLGA films: potential for application in peripheral nerve repair. <i>Neural Regeneration Research</i> , 2018, 13, 1247.	1.6	17
17	Vascular Coupling System for End-to-End Anastomosis: An In Vivo Pilot Case Report. <i>Cardiovascular Engineering and Technology</i> , 2017, 8, 91-95.	0.7	6
18	Novel drug delivering conduit for peripheral nerve regeneration. <i>Journal of Neural Engineering</i> , 2017, 14, 066011.	1.8	20

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19	Coupling solid-phase microextractions and surface-enhanced Raman scattering: towards a point-of-need tool for hepatic cancer screening. <i>Analytical Methods</i> , 2017, 9, 4641-4646.	1.3	10
20	Effect of applied energy in renal sympathetic denervation with magnetic resonance guided focused ultrasound in a porcine model. <i>Journal of Therapeutic Ultrasound</i> , 2017, 5, 16.	2.2	3
21	Effect Of combining FK506 and neurotrophins on neurite branching and elongation. <i>Muscle and Nerve</i> , 2017, 55, 570-581.	1.0	23
22	Controlled Delivery of FK506 to Improve Nerve Regeneration. <i>Shock</i> , 2016, 46, 154-159.	1.0	28
23	Nerve growth factor released from a novel PLGA nerve conduit can improve axon growth. <i>Journal of Micromechanics and Microengineering</i> , 2016, 26, 045016.	1.5	11
24	Renal sympathetic denervation using MR-guided high-intensity focused ultrasound in a porcine model. <i>Journal of Therapeutic Ultrasound</i> , 2016, 4, 3.	2.2	6
25	Defective apical extrusion signaling contributes to aggressive tumor hallmarks. <i>ELife</i> , 2015, 4, e04069.	2.8	59
26	Design, Synthesis, and Biological Evaluation of Sulfonyl Acrylonitriles as Novel Inhibitors of Cancer Metastasis and Spread. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 1140-1158.	2.9	26
27	A Novel Vascular Coupling System for End-to-End Anastomosis. <i>Cardiovascular Engineering and Technology</i> , 2015, 6, 294-302.	0.7	8
28	Polymeric micelles and nanoemulsions as drug carriers: Therapeutic efficacy, toxicity, and drug resistance. <i>Journal of Controlled Release</i> , 2015, 212, 70-77.	4.8	82
29	Design, fabrication, and testing of a novel end-to-end vascular coupling system. , 2014, 2014, 6593-6.		0
30	Side-to-side nerve bridges reduce muscle atrophy after peripheral nerve injury in a rodent model. <i>Journal of Surgical Research</i> , 2014, 187, 350-358.	0.8	18
31	Focused ultrasound-mediated drug delivery to pancreatic cancer in a mouse model. <i>Journal of Therapeutic Ultrasound</i> , 2013, 1, 11.	2.2	37
32	Genexol inhibits primary tumour growth and metastases in gemcitabine-resistant pancreatic ductal adenocarcinoma. <i>Hpb</i> , 2011, 13, 153-157.	0.1	20
33	Ultrasound-mediated tumor imaging and nanotherapy using drug loaded, block copolymer stabilized perfluorocarbon nanoemulsions. <i>Journal of Controlled Release</i> , 2011, 153, 4-15.	4.8	368
34	Lineage tracing reveals the dynamic contribution of <i>Hes1</i> ⁺ cells to the developing and adult pancreas. <i>Development (Cambridge)</i> , 2011, 138, 431-441.	1.2	172
35	Prognostic significance of PINCH signalling in human pancreatic ductal adenocarcinoma. <i>Hpb</i> , 2010, 12, 352-358.	0.1	13
36	Phenotype and Genotype of Pancreatic Cancer Cell Lines. <i>Pancreas</i> , 2010, 39, 425-435.	0.5	746

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37	Ultrasonic Nanotherapy of Pancreatic Cancer: Lessons from Ultrasound Imaging. <i>Molecular Pharmaceutics</i> , 2010, 7, 22-31.	2.3	78
38	Controlled and targeted tumor chemotherapy by ultrasound-activated nanoemulsions/microbubbles. <i>Journal of Controlled Release</i> , 2009, 138, 268-276.	4.8	504
39	Synthetic Extracellular Matrix Enhances Tumor Growth and Metastasis in an Orthotopic Mouse Model of Pancreatic Adenocarcinoma. <i>Journal of Gastrointestinal Surgery</i> , 2008, 12, 1074-1080.	0.9	28
40	Dietary fish oil results in a greater bone mass and bone formation indices in aged ovariectomized rats. <i>Journal of Bone and Mineral Metabolism</i> , 2008, 26, 241-247.	1.3	17
41	Natural History of Pancreatic Cancer Recurrence Following "Curative" Resection in Athymic Mice. <i>Journal of Surgical Research</i> , 2008, 149, 57-61.	0.8	12
42	Skeletal function and structure: Implications for tissue-targeted therapeutics. <i>Advanced Drug Delivery Reviews</i> , 2005, 57, 945-957.	6.6	78
43	Age-Related mineralization heterogeneity changes in trabecular bone of the proximal femur. <i>The Anatomical Record</i> , 2004, 281A, 1296-1302.	2.3	13
44	Cortical bone dynamics, strength, and densitometry after induction of emphysema in hamsters. <i>Journal of Applied Physiology</i> , 2003, 95, 631-634.	1.2	9
45	Experimental confirmation of the sheep model for studying the role of calcified fibrocartilage in hip fractures and tendon attachments. <i>The Anatomical Record</i> , 2002, 266, 177-183.	2.3	11
46	Microvascularization of the hypermineralized calcified fibrocartilage and cortical bone in the sheep proximal femur. <i>The Anatomical Record</i> , 2002, 268, 365-370.	2.3	8
47	Evaluating the influence of particle morphology and density on the viscosity and injectability of a novel long-acting local anesthetic suspension. <i>Journal of Biomaterials Applications</i> , 0, , 088532822211064.	1.2	0