Jeffrey M Davidson

List of Publications by Year
in descending order

48	2,510	186265 28	233421 45
papers	citations	h-index	g-index

50	50	50	3332
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Reactive oxygen speciesâ€“degradable polythioketal urethane foam dressings to promote porcine skin wound repair. Science Translational Medicine, 2022, 14, eabm6586.	12.4	37
2	Deficits in Col5a2 Expression Result in Novel Skin and Adipose Abnormalities and Predisposition to Aortic Aneurysms and Dissections. American Journal of Pathology, 2017, 187, 2300-2311.	3.8	38
3	Porcine Ischemic Wound-Healing Model for Preclinical Testing of Degradable Biomaterials. Tissue Engineering - Part C: Methods, 2017, 23, 754-762.	2.1	34
4	I-Wire Heart-on-a-Chip I: Three-dimensional cardiac tissue constructs for physiology and pharmacology. Acta Biomaterialia, 2017, 48, 68-78.	8.3	97
5	Injected biodegradable polyurethane scaffolds support tissue infiltration and delay wound contraction in a porcine excisional model. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2016, 104, 1679-1690.	3.4	15
6	Local Delivery of PHD2 siRNA from ROSâ€Đegradable Scaffolds to Promote Diabetic Wound Healing. Advanced Healthcare Materials, 2016, 5, 2751-2757.	7.6	71
7	Clinical interventions for venous leg ulcers: Proposals to improve the quality of clinical leg ulcer research. Wound Repair and Regeneration, 2016, 24, 767-774.	3.0	5
8	BMP1-like proteinases are essential to the structure and wound healing of skin. Matrix Biology, 2016, 56, 114-131.	3.6	41
9	Epithelial-Derived Inflammation Disrupts Elastin Assembly and Alters Saccular Stage Lung Development. American Journal of Pathology, 2016, 186, 1786-1800.	3.8	32
10	Wound samples: moving towards a standardised method of collection and analysis. International Wound Journal, 2016, 13, 880-891.	2.9	22
11	489. Localized, siRNA-Mediated Silencing of PHD2 to Promote Wound Vascularization. Molecular Therapy, 2015, 23, S194-S195.	8.2	0
12	Homozygosity and Heterozygosity for Null Col5a2 Alleles Produce Embryonic Lethality and a Novel Classic Ehlers-Danlos Syndromeâ€“Related Phenotype. American Journal of Pathology, 2015, 185, 2000-2011.	3.8	22
13	Targeted inhibition of ANKRD1 disrupts sarcomeric ERK-GATA4 signal transduction and abrogates phenylephrine-induced cardiomyocyte hypertrophy. Cardiovascular Research, 2015, 106, 261-271.	3.8	53
14	A transient cell-shielding method for viable MSC delivery within hydrophobic scaffolds polymerized in situ. Biomaterials, 2015, 54, 21-33.	11.4	28
15	Global Deletion of Ankrd1 Results in a Wound-Healing Phenotype Associated with Dermal Fibroblast Dysfunction. American Journal of Pathology, 2015, 185, 96-109.	3.8	28
16	Biodegradable lysine-derived polyurethane scaffolds promote healing in a porcine full-thickness excisional wound model. Journal of Biomaterials Science, Polymer Edition, 2014, 25, 1973-1985.	3.5	16
17	Enhanced performance of plasmid DNA polyplexes stabilized by a combination of core hydrophobicity and surface PEGylation. Journal of Materials Chemistry B, 2014, 2, 8154-8164.	5.8	29
18	A porous tissue engineering scaffold selectively degraded by cell-generated reactive oxygen species. Biomaterials, 2014, 35, 3766-3776.	11.4	124

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19	Tunable Delivery of siRNA from a Biodegradable Scaffold to Promote Angiogenesis In Vivo. Advanced Materials, 2014, 26, 607-614.	21.0	106
20	Proteomic Revelations. Journal of Investigative Dermatology, 2014, 134, 2301-2302.	0.7	2
21	Splinting Strategies to Overcome Confounding Wound Contraction in Experimental Animal Models. Advances in Wound Care, 2013, 2, 142-148.	5.1	87
22	Injectable polyurethane composite scaffolds delay wound contraction and support cellular infiltration and remodeling in rat excisional wounds. Journal of Biomedical Materials Research - Part A, 2012, 100A, 450-461.	4.0	29
23	Characterization of the degradation mechanisms of lysine-derived aliphatic poly(ester urethane) scaffolds. Biomaterials, 2011, 32, 419-429.	11.4	111
24	Pivotal Role for Î±1-Antichymotrypsin in Skin Repair. Journal of Biological Chemistry, 2011, 286, 28889-28901.	3.4	39
25	Can Scarring Be Turned Off?. American Journal of Pathology, 2010, 176, 1588-1591.	3.8	5
26	The effect of the local delivery of platelet-derived growth factor from reactive two-component polyurethane scaffolds on the healing in rat skin excisional wounds. Biomaterials, 2009, 30, 3486-3494.	11.4	143
27	Injectable Biodegradable Polyurethane Scaffolds with Release of Platelet-derived Growth Factor for Tissue Repair and Regeneration. Pharmaceutical Research, 2008, 25, 2387-2399.	3.5	119
28	New and Alternative Treatments for the Diabetic Foot: Stem Cells and Gene Transfer. , 2006, , 198-206.		0
29	037 Fibroblast growth factor ? binding protein cDNA and truncated variants are active in diabetic wound healing. Wound Repair and Regeneration, 2004, 12, A11-A11.	3.0	0
30	082 CM?1 (Cytomodulin), a Synthetic peptide, promotes collagen transcription and wound healing in bioluminescent mice. Wound Repair and Regeneration, 2004, 12, A22-A22.	3.0	1
31	Particle-Mediated Gene Therapy of Wounds. , 2003, 78, 433-452.		4
32	Smad about Elastin Regulation. American Journal of Respiratory Cell and Molecular Biology, 2002, 26, 164-166.	2.9	14
33	Towards Retrievable Vascularized Bioartificial Pancreas: Induction and Long-Lasting Stability of Polymeric Mesh Implant Vascularized with the Help of Acidic and Basic Fibroblast Growth Factors and Hydrogel Coating. Diabetes Technology and Therapeutics, 2001, 3, 245-261.	4.4	24
34	Delayed wound healing in aged rats is associated with increased collagen gel remodeling and contraction by skin fibroblasts, not with differences in apoptotic or myofibroblast cell populations. Wound Repair and Regeneration, 2001, 9, 223-237.	3.0	67
35	Boosting epidermal growth factor receptor expression by gene gun transfection stimulates epidermal growth in vivo. Wound Repair and Regeneration, 2000, 8, 117-127.	3.0	63
36	Particle-mediated gene therapy of wounds. Wound Repair and Regeneration, 2000, 8, 452-459.	3.0	61

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37	Sustained microgravity reduces intrinsic wound healing and growth factor responses in the rat. FASEB Journal, 1999, 13, 325-329.	0.5	86
38	Reversal of the wound healing deficit in diabetic rats by combined basic fibroblast growth factor and transforming growth factor-beta1 therapy. Wound Repair and Regeneration, 1997, 5, 77-88.	3.0	26
39	The Effects of Keratinocyte Growth Factor on Healing of Tympanic Membrane Perforations. Laryngoscope, 1996, 106, 280-285.	2.0	24
40	Patellar tendon and anterior cruciate ligament have different mitogenic responses to platelet-derived growth factor and transforming growth factor ?. Journal of Orthopaedic Research, 1996, 14, 542-546.	2.3	77
41	Canine subglottic stenosis as a model for excessive fibrosis: a pilot histologic and immunohistochemical analysis. Wound Repair and Regeneration, 1996, 4, 444-453.	3.0	20
42	A tissue-culture model for the study of canine vocal fold fibroblasts. Laryngoscope, 1995, 105, 23-27.	2.0	9
43	Tissue ablation by a free-electron laser tuned to the amide II band. Nature, 1994, 371, 416-419.	27.8	251
44	Modulation of transforming growth factor-beta 1 stimulated elastin and collagen production and proliferation in porcine vascular smooth muscle cells and skin fibroblasts by basic fibroblast growth factor, transforming growth factor-?, and insulin-like growth factor-I. Journal of Cellular Physiology, 1993, 155, 149-156.	4.1	110
45	Sub ablation effects of the KTP laser on wound healing. Lasers in Surgery and Medicine, 1993, 13, 62-71.	2.1	15
46	Fibroblasts from wounds of different stages of repair vary in their ability to contract a collagen gel in response to growth factors. Journal of Cellular Physiology, 1990, 144, 99-107.	4.1	110
47	Accumulation and Regulation of Elastin in the Rat Uterus. Experimental Biology and Medicine, 1989, 192, 121-126.	2.4	14
48	Differential stimulation of collagenase and chemotactic activity in fibroblasts derived from rat wound repair tissue and human skin by growth factors. Journal of Cellular Physiology, 1989, 138, 70-78.	4.1	111