Matthew J Hardman

List of Publications by Year
in descending order

76 papers	4,689 citations	87723 38 h-index	102304 66 g-index
79 all docs	79 docs citations	79 times ranked	6152 citing authors

#	Article	IF	Citations
1	Wound healing: cellular mechanisms and pathological outcomes. Open Biology, 2020, 10, 200223.	1.5	546
2	Irf6 is a key determinant of the keratinocyte proliferation-differentiation switch. Nature Genetics, 2006, 38, 1329-1334.	9.4	283
3	Tumor necrosis factorâ€alpha (<scp>TNFâ€Î±</scp>) is a therapeutic target for impaired cutaneous wound healing. Wound Repair and Regeneration, 2012, 20, 38-49.	1.5	209
4	Local Arginase 1 Activity Is Required for Cutaneous Wound Healing. Journal of Investigative Dermatology, 2013, 133, 2461-2470.	0.3	157
5	Differentially expressed late constituents of the epidermal cornified envelope. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 13031-13036.	3.3	151
6	Estrogen promotes cutaneous wound healing via estrogen receptor Î² independent of its antiinflammatory activities. Journal of Experimental Medicine, 2010, 207, 1825-1833.	4.2	146
7	Exploring the â€œHair Growthâ€“Wound Healing Connectionâ€: Anagen Phase Promotes Wound Re-Epithelialization. Journal of Investigative Dermatology, 2011, 131, 518-528.	0.3	137
8	Late Cornified Envelope Family in Differentiating Epitheliaâ€”Response to Calcium and Ultraviolet Irradiation. Journal of Investigative Dermatology, 2005, 124, 1062-1070.	0.3	135
9	Androgens modulate the inflammatory response during acute wound healing. Journal of Cell Science, 2006, 119, 722-732.	1.2	119
10	Animal models of wound repair: Are they cutting it?. Experimental Dermatology, 2012, 21, 581-585.	1.4	110
11	Estrogen, not intrinsic aging, is the major regulator of delayed human wound healing in the elderly. Genome Biology, 2008, 9, R80.	13.9	107
12	Estrogen Receptor-Alpha Promotes Alternative Macrophage Activation during Cutaneous Repair. Journal of Investigative Dermatology, 2014, 134, 2447-2457.	0.3	105
13	Suprabasal Desmoglein 3 Expression in the Epidermis of Transgenic Mice Results in Hyperproliferation and Abnormal Differentiation. Molecular and Cellular Biology, 2002, 22, 5846-5858.	1.1	104
14	Selective Estrogen Receptor Modulators Accelerate Cutaneous Wound Healing in Ovariectomized Female Mice. Endocrinology, 2008, 149, 551-557.	1.4	102
15	Diabetes induces stable intrinsic changes to myeloid cells that contribute to chronic inflammation during wound healing in mice. DMM Disease Models and Mechanisms, 2013, 6, 1434-47.	1.2	100
16	The role of estrogen in cutaneous ageing and repair. Maturitas, 2017, 103, 60-64.	1.0	100
17	The role of estrogen deficiency in skin ageing and wound healing. Biogerontology, 2012, 13, 3-20.	2.0	95
18	Macrophage Migration Inhibitory Factor. American Journal of Pathology, 2005, 167, 1561-1574.	1.9	89

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19	Barrier Formation in the Human Fetus is Patterned. Journal of Investigative Dermatology, 1999, 113, 1106-1113.	0.3	85
20	Sex Dimorphism in Wound Healing: The Roles of Sex Steroids and Macrophage Migration Inhibitory Factor. Endocrinology, 2008, 149, 5747-5757.	1.4	84
21	Senescence in Wound Repair: Emerging Strategies to Target Chronic Healing Wounds. Frontiers in Cell and Developmental Biology, 2020, 8, 773.	1.8	82
22	Covering the limb - formation of the integument. Journal of Anatomy, 2003, 202, 113-123.	0.9	79
23	The role of sex hormones in the development of Th2 immunity in a genderâ€biased model of Trichuris muris infection. European Journal of Immunology, 2010, 40, 406-416.	1.6	78
24	Elevated Local Senescence in Diabetic WoundÂHealing Is Linked to Pathological RepairÂvia CXCR2. Journal of Investigative Dermatology, 2019, 139, 1171-1181.e6.	0.3	75
25	MIF: a key player in cutaneous biology and wound healing. Experimental Dermatology, 2011, 20, 1-6.	1.4	73
26	A statistical analysis of murine incisional and excisional acute wound models. Wound Repair and Regeneration, 2014, 22, 281-287.	1.5	73
27	Insulin-Like Growth Factor-1 Promotes Wound Healing in Estrogen-Deprived Mice: New Insights into Cutaneous IGF-1R/ERÎ± Cross Talk. Journal of Investigative Dermatology, 2012, 132, 2838-2848.	0.3	71
28	The phytoestrogen genistein promotes wound healing by multiple independent mechanisms. Molecular and Cellular Endocrinology, 2010, 321, 184-193.	1.6	66
29	Direct evidence that PKCÎ± positively regulates wound reâ€epithelialization: correlation with changes in desmosomal adhesiveness. Journal of Pathology, 2012, 227, 346-356.	2.1	66
30	The Sex Steroid Precursor DHEA Accelerates Cutaneous Wound Healing Via the Estrogen Receptors. Journal of Investigative Dermatology, 2005, 125, 1053-1062.	0.3	65
31	Desmosomal Cadherin Misexpression Alters Î²-Catenin Stability and Epidermal Differentiation. Molecular and Cellular Biology, 2005, 25, 969-978.	1.1	65
32	Clinically relevant doses of lidocaine and bupivacaine do not impair cutaneous wound healing in mice. British Journal of Anaesthesia, 2010, 104, 768-773.	1.5	63
33	Enhanced Clearing of Wound-Related Pathogenic Bacterial Biofilms Using Protease-Functionalized Antibiotic Nanocarriers. ACS Applied Materials & Interfaces, 2019, 11, 43902-43919.	4.0	49
34	Unique and Synergistic Roles for 17Î²-Estradiol and Macrophage Migration Inhibitory Factor during Cutaneous Wound Closure Are Cell Type Specific. Endocrinology, 2009, 150, 2749-2757.	1.4	48
35	Thyrotropin-Releasing Hormone (TRH) Promotes Wound Re-Epithelialisation in Frog and Human Skin. PLoS ONE, 2013, 8, e73596.	1.1	46
36	Tissue Iron Promotes Wound Repair via M2 Macrophage Polarization and the Chemokine (C-C Motif) Ligands 17 and 22. American Journal of Pathology, 2019, 189, 2196-2208.	1.9	42

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37	Hair Follicle Bulge Stem Cells Appear Dispensable for the Acute Phase of Wound Re-epithelialization. Stem Cells, 2016, 34, 1377-1385.	1.4	41
38	Oestrogen promotes healing in a bacterial LPS model of delayed cutaneous wound repair. Laboratory Investigation, 2016, 96, 439-449.	1.7	40
39	A Novel Silver Bioactive Glass Elicits Antimicrobial Efficacy Against Pseudomonas aeruginosa and Staphylococcus aureus in an ex Vivo Skin Wound Biofilm Model. Frontiers in Microbiology, 2018, 9, 1450.	1.5	40
40	Breathing new life into old antibiotics: overcoming antibacterial resistance by antibiotic-loaded nanogel carriers with cationic surface functionality. Nanoscale, 2019, 11, 10472-10485.	2.8	39
41	Microbial Host Interactions and Impaired Wound Healing in Mice and Humans: Defining a Role for BD14 and NOD2. Journal of Investigative Dermatology, 2018, 138, 2264-2274.	0.3	36
42	Topical photodynamic therapy following excisional wounding of human skin increases production of transforming growth factor-Î²3 and matrix metalloproteinases 1 and 9, with associated improvement in dermal matrix organization. British Journal of Dermatology, 2014, 171, 55-62.	1.4	33
43	17Î²-Estradiol Inhibits Wound Healing in Male Mice via Estrogen Receptor-Î±. American Journal of Pathology, 2010, 176, 2707-2721.	1.9	31
44	Cutaneous Nod2 Expression Regulates theÂSkin Microbiome and Wound Healing inÂa Murine Model. Journal of Investigative Dermatology, 2017, 137, 2427-2436.	0.3	29
45	Reduced Iron in Diabetic Wounds: An Oxidative Stress-Dependent Role for STEAP3 in Extracellular Matrix Deposition and Remodeling. Journal of Investigative Dermatology, 2019, 139, 2368-2377.e7.	0.3	26
46	Wound senescence: A functional link between diabetes and ageing?. Experimental Dermatology, 2021, 30, 68-73.	1.4	26
47	Amplified antimicrobial action of chlorhexidine encapsulated in PDAC-functionalized acrylate copolymer nanogel carriers. Materials Chemistry Frontiers, 2018, 2, 2032-2044.	3.2	25
48	Nod2 deficiency impairs inflammatory and epithelial aspects of the cutaneous woundâ€healing response. Journal of Pathology, 2013, 229, 121-131.	2.1	22
49	Estrogen receptor-mediated signalling in female mice is locally activated in response to wounding. Molecular and Cellular Endocrinology, 2013, 375, 149-156.	1.6	21
50	Silver oxysalts promote cutaneous wound healing independent of infection. Wound Repair and Regeneration, 2018, 26, 144-152.	1.5	21
51	Smart active antibiotic nanocarriers with protease surface functionality can overcome biofilms of resistant bacteria. Materials Chemistry Frontiers, 2021, 5, 961-972.	3.2	21
52	SPRR1 Gene Induction and Barrier Formation Occur as Coordinated Moving Fronts in Terminally Differentiating Epithelia. Journal of Investigative Dermatology, 2000, 114, 967-975.	0.3	20
53	Comparing the Effectiveness of Polymer Debriding Devices Using a Porcine Wound Biofilm Model. Advances in Wound Care, 2016, 5, 475-485.	2.6	20
54	Novel Locally Active Estrogens Accelerate Cutaneous Wound Healing. A Preliminary Study. Molecular Pharmaceutics, 2009, 6, 543-556.	2.3	19

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55	Response to Comment on Crews et al. Role and Determinants of Adherence to Off-loading in Diabetic Foot Ulcer Healing: A Prospective Investigation. Diabetes Care 2016;39:1371â€“1377. Diabetes Care, 2016, 39, e222-e223.	4.3	19
56	A role for estrogen in skin ageing and dermal biomechanics. Mechanisms of Ageing and Development, 2021, 197, 111513.	2.2	19
57	Pre-Clinical Assessment of Single-Use Negative Pressure Wound Therapy During In Vivo Porcine Wound Healing. Advances in Wound Care, 2021, 10, 345-356.	2.6	17
58	Ectodysplasin A Pathway Contributes to Human and Murine Skin Repair. Journal of Investigative Dermatology, 2016, 136, 1022-1030.	0.3	14
59	Evaluating STZ-Induced Impaired Wound Healing in Rats. Journal of Investigative Dermatology, 2018, 138, 994-997.	0.3	13
60	Optimising platelet secretomes to deliver robust tissueâ€specific regeneration. Journal of Tissue Engineering and Regenerative Medicine, 2020, 14, 82-98.	1.3	13
61	An ex vivo porcine skin model to evaluate pressureâ€reducing devices of different mechanical properties used for pressure ulcer prevention. Wound Repair and Regeneration, 2016, 24, 1089-1096.	1.5	10
62	Superenhanced Removal of Fungal Biofilms by Proteaseâ€Functionalized Amphotericin B Nanocarriers. Advanced NanoBiomed Research, 2021, 1, 2000027.	1.7	9
63	Delayed wound healing in elderly people. Reviews in Clinical Gerontology, 2009, 19, 171-184.	0.5	8
64	An Epidermal-Specific Role for Arginase1 during Cutaneous Wound Repair. Journal of Investigative Dermatology, 2022, 142, 1206-1216.e8.	0.3	8
65	Cellular benefits of singleâ€use negative pressure wound therapy demonstrated in a novel ex vivo human skin wound model. Wound Repair and Regeneration, 2021, 29, 298-305.	1.5	7
66	Coping and depression in diabetic foot ulcer healing: causal influence, mechanistic evidence or none of the above?. Diabetologia, 2011, 54, 205-206.	2.9	6
67	Global Gene Expression Analysis in PKCÎ± â^'/â^' Mouse Skin Reveals Structural Changes in the Dermis and Defective Wound Granulation Tissue. Journal of Investigative Dermatology, 2015, 135, 3173-3182.	0.3	5
68	Skin Aging in Long-Lived Naked Mole-Rats Is Accompanied by Increased Expression of Longevity-Associated and Tumor Suppressor Genes. Journal of Investigative Dermatology, 2022, 142, 2853-2863.e4.	0.3	5
69	Sex and Sex Hormones Mediate Wound Healing. , 2015, , 31-48.		4
70	Do not be alarmed: understanding <scp>IL</scp>33â€<scp>ST</scp>2 signalling in wound repair. Experimental Dermatology, 2016, 25, 22-23.	1.4	3
71	Antibodyâ€free bioimprint aided sandwich ELISA technique for cell recognition and rapid screening for bacteria. Nano Select, 2020, 1, 673-688.	1.9	3
72	The Role of Estrogen Deficiency in Skin Aging and Wound Healing. , 2015, , 71-88.		2

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73	Combined Metallomics/Transcriptomics Profiling Reveals a Major Role for Metals in Wound Repair. Frontiers in Cell and Developmental Biology, 2021, 9, 788596.	1.8	2
74	New and Alternative Treatments for Diabetic Foot Ulcers: Hormones and Growth Factors. , 2006, , 214-221.		1
75	MIF: Wound Repair. , 2007, , 195-215.		1
76	Integumentary Structures. , 2002, , 567-589.		1