Dahai Hu

List of Publications by Year
in descending order

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104 papers	3,388 citations	147726 31 h-index	182361 51 g-index
117 all docs	117 docs citations	117 times ranked	4922 citing authors

#	Article	IF	Citations
1	Cell-free therapy based on adipose tissue stem cell-derived exosomes promotes wound healing via the PI3K/Akt signaling pathway. Experimental Cell Research, 2018, 370, 333-342.	1.2	234
2	The challenges and promises of allogeneic mesenchymal stem cells for use as a cell-based therapy. Stem Cell Research and Therapy, 2015, 6, 234.	2.4	231
3	Exosomes derived from human amniotic epithelial cells accelerate wound healing and inhibit scar formation. Journal of Molecular Histology, 2017, 48, 121-132.	1.0	141
4	Regulation of SIRT1 and Its Roles in Inflammation. Frontiers in Immunology, 2022, 13, 831168.	2.2	101
5	Exosomes from adipose-derived stem cells alleviate the inflammation and oxidative stress via regulating Nrf2/HO-1 axis in macrophages. Free Radical Biology and Medicine, 2021, 165, 54-66.	1.3	94
6	Exosomes derived from human adipose mesenchymal stem cells attenuate hypertrophic scar fibrosis by miR-192-5p/IL-17RA/Smad axis. Stem Cell Research and Therapy, 2021, 12, 221.	2.4	93
7	Adipose tissue-derived stem cells suppress hypertrophic scar fibrosis via the p38/MAPK signaling pathway. Stem Cell Research and Therapy, 2016, 7, 102.	2.4	90
8	Wnt/Î²-catenin pathway forms a negative feedback loop during TGF-Î²1 induced human normal skin fibroblast-to-myofibroblast transition. Journal of Dermatological Science, 2012, 65, 38-49.	1.0	85
9	Highly-expressed micoRNA-21 in adipose derived stem cell exosomes can enhance the migration and proliferation of the HaCaT cells by increasing the MMP-9 expression through the PI3K/AKT pathway. Archives of Biochemistry and Biophysics, 2020, 681, 108259.	1.4	85
10	Anti-Fibrotic Actions of Interleukin-10 against Hypertrophic Scarring by Activation of PI3K/AKT and STAT3 Signaling Pathways in Scar-Forming Fibroblasts. PLoS ONE, 2014, 9, e98228.	1.1	79
11	Acute downregulation of miR-199a attenuates sepsis-induced acute lung injury by targeting SIRT1. American Journal of Physiology - Cell Physiology, 2018, 314, C449-C455.	2.1	75
12	ROS-Mediated NLRP3 Inflammasome Activity Is Essential for Burn-Induced Acute Lung Injury. Mediators of Inflammation, 2015, 2015, 1-16.	1.4	67
13	Loureirin B inhibits fibroblast proliferation and extracellular matrix deposition in hypertrophic scar via <scp>TGF</scp>â€Î²/Smad pathway. Experimental Dermatology, 2015, 24, 355-360.	1.4	64
14	Hypoxic preconditioning combined with curcumin promotes cell survival and mitochondrial quality of bone marrow mesenchymal stem cells, and accelerates cutaneous wound healing via PGC-1Î±/SIRT3/HIF-1Î± signaling. Free Radical Biology and Medicine, 2020, 159, 164-176.	1.3	58
15	SIRT1 Is a Regulator in High Glucose-Induced Inflammatory Response in RAW264.7 Cells. PLoS ONE, 2015, 10, e0120849.	1.1	51
16	Acetylation-Dependent Regulation of Notch Signaling in Macrophages by SIRT1 Affects Sepsis Development. Frontiers in Immunology, 2018, 9, 762.	2.2	51
17	Emerging progress on the mechanism and technology in wound repair. Biomedicine and Pharmacotherapy, 2019, 117, 109191.	2.5	51
18	The role of ERK and JNK signaling in connective tissue growth factor induced extracellular matrix protein production and scar formation. Archives of Dermatological Research, 2013, 305, 433-445.	1.1	48

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19	Endothelial deletion of mTORC1 protects against hindlimb ischemia in diabetic mice via activation of autophagy, attenuation of oxidative stress and alleviation of inflammation. Free Radical Biology and Medicine, 2017, 108, 725-740.	1.3	47
20	Exosomal MicroRNAs Derived from Human Amniotic Epithelial Cells Accelerate Wound Healing by Promoting the Proliferation and Migration of Fibroblasts. Stem Cells International, 2018, 2018, 1-10.	1.2	46
21	miR-155 promotes cutaneous wound healing through enhanced keratinocytes migration by MMP-2. Journal of Molecular Histology, 2017, 48, 147-155.	1.0	45
22	SIRT1 regulates inflammation response of macrophages in sepsis mediated by long noncoding RNA. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2018, 1864, 784-792.	1.8	45
23	Efficient generation of functional Schwann cells from adipose-derived stem cells in defined conditions. Cell Cycle, 2017, 16, 841-851.	1.3	42
24	Recent advances in hypertrophic scar. Histology and Histopathology, 2018, 33, 27-39.	0.5	41
25	SIRT1 protects rat lung tissue against severe burn-induced remote ALI by attenuating the apoptosis of PMVECs via p38 MAPK signaling. Scientific Reports, 2015, 5, 10277.	1.6	40
26	miR-155 inhibits the formation of hypertrophic scar fibroblasts by targeting HIF-1Î± via PI3K/AKT pathway. Journal of Molecular Histology, 2018, 49, 377-387.	1.0	39
27	New Insights Into the Skin Microbial Communities and Skin Aging. Frontiers in Microbiology, 2020, 11, 565549.	1.5	39
28	Deletion of protein tyrosine phosphatase 1B rescues against myocardial anomalies in high fat diet-induced obesity: Role of AMPK-dependent autophagy. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2015, 1852, 299-309.	1.8	37
29	IL-17 Promotes Scar Formation by Inducing Macrophage Infiltration. American Journal of Pathology, 2018, 188, 1693-1702.	1.9	37
30	Efficacy and safety of BRAF inhibition alone versus combined BRAF and MEK inhibition in melanoma: a meta-analysis of randomized controlled trials. Oncotarget, 2017, 8, 32258-32269.	0.8	37
31	Extracellular Vesicles From Adipose Tissue-Derived Stem Cells Affect Notch-miR148a-3p Axis to Regulate Polarization of Macrophages and Alleviate Sepsis in Mice. Frontiers in Immunology, 2020, 11, 1391.	2.2	34
32	Adipose mesenchymal stem cell exosomes promote wound healing through accelerated keratinocyte migration and proliferation by activating the AKT/HIF-1Î± axis. Journal of Molecular Histology, 2020, 51, 375-383.	1.0	34
33	Negative Pressure Wound Therapy Decreases Mortality in a Murine Model of Burn-Wound Sepsis Involving Pseudomonas aeruginosa Infection. PLoS ONE, 2014, 9, e90494.	1.1	33
34	Src promotes cutaneous wound healing by regulating MMP-2 through the ERK pathway. International Journal of Molecular Medicine, 2016, 37, 639-648.	1.8	32
35	IRF8 is the target of SIRT1 for the inflammation response in macrophages. Innate Immunity, 2017, 23, 188-195.	1.1	32
36	MicroRNA-146a protects against LPS-induced organ damage by inhibiting Notch1 in macrophage. International Immunopharmacology, 2018, 63, 220-226.	1.7	32

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37	Notch1 Pathway Protects against Burn-Induced Myocardial Injury by Repressing Reactive Oxygen Species Production through JAK2/STAT3 Signaling. Oxidative Medicine and Cellular Longevity, 2016, 2016, 1-14.	1.9	31
38	Murine Sertoli cells promote the development of tolerogenic dendritic cells: a pivotal role of galectinâ€1. Immunology, 2016, 148, 253-265.	2.0	31
39	SIRT1 activation promotes angiogenesis in diabetic wounds by protecting endothelial cells against oxidative stress. Archives of Biochemistry and Biophysics, 2019, 661, 117-124.	1.4	31
40	Rho kinase inhibitor Y-27632 promotes the differentiation of human bone marrow mesenchymal stem cells into keratinocyte-like cells in xeno-free conditioned medium. Stem Cell Research and Therapy, 2015, 6, 17.	2.4	30
41	Loss of CAR promotes migration and proliferation of HaCaT cells and accelerates wound healing in rats via Src-p38 MAPK pathway. Scientific Reports, 2016, 6, 19735.	1.6	30
42	Wild-type p53-modulated autophagy and autophagic fibroblast apoptosis inhibit hypertrophic scar formation. Laboratory Investigation, 2018, 98, 1423-1437.	1.7	28
43	Wnt4 negatively regulates the TGF-Î²1-induced human dermal fibroblast-to-myofibroblast transition via targeting Smad3 and ERK. Cell and Tissue Research, 2020, 379, 537-548.	1.5	28
44	Cryptotanshinone downregulates the profibrotic activities of hypertrophic scar fibroblasts and accelerates wound healing: A potential therapy for the reduction of skin scarring. Biomedicine and Pharmacotherapy, 2016, 80, 80-86.	2.5	25
45	Guidelines for burn rehabilitation in China. Burns and Trauma, 2015, 3, 20.	2.3	24
46	Streptococcus thermophilus Attenuates Inflammation in Septic Mice Mediated by Gut Microbiota. Frontiers in Microbiology, 2020, 11, 598010.	1.5	24
47	Functionalizing multi-component bioink with platelet-rich plasma for customized in-situ bilayer bioprinting for wound healing. Materials Today Bio, 2022, 16, 100334.	2.6	24
48	JAM-A knockdown accelerates the proliferation and migration of human keratinocytes, and improves wound healing in rats via FAK/Erk signaling. Cell Death and Disease, 2018, 9, 848.	2.7	23
49	ROR alpha protects against LPS-induced inflammation by down-regulating SIRT1/NF-kappa B pathway. Archives of Biochemistry and Biophysics, 2019, 668, 1-8.	1.4	22
50	ILâ€10 alleviates lipopolysaccharideâ€induced skin scarring via ILâ€10R/STAT3 axis regulating TLR4/NFâ€ºB pathway in dermal fibroblasts. Journal of Cellular and Molecular Medicine, 2021, 25, 1554-1567.	1.6	22
51	Advances on Graphene-Based Nanomaterials and Mesenchymal Stem Cell-Derived Exosomes Applied in Cutaneous Wound Healing. International Journal of Nanomedicine, 2021, Volume 16, 2647-2665.	3.3	22
52	Autophagy protein LC3 regulates the fibrosis of hypertrophic scar by controlling Bcl-xL in dermal fibroblasts. Oncotarget, 2017, 8, 93757-93770.	0.8	21
53	Curcumin pretreatment protects against hypoxia/reoxgenation injury via improvement of mitochondrial function, destabilization of HIF-1Î± and activation of Epac1-Akt pathway in rat bone marrow mesenchymal stem cells. Biomedicine and Pharmacotherapy, 2019, 109, 1268-1275.	2.5	21
54	Testin regulates the bloodâ€testis barrier via disturbing occludin/ZOâ€1 association and actin organization. Journal of Cellular Physiology, 2020, 235, 6127-6138.	2.0	21

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55	Curcumin pretreatment prevents hydrogen peroxide-induced oxidative stress through enhanced mitochondrial function and deactivation of Akt/Erk signaling pathways in rat bone marrow mesenchymal stem cells. Molecular and Cellular Biochemistry, 2018, 443, 37-45.	1.4	20
56	Notch signal deficiency alleviates hypertrophic scar formation after wound healing through the inhibition of inflammation. Archives of Biochemistry and Biophysics, 2020, 682, 108286.	1.4	20
57	Methylation of secreted frizzled-related protein 1 (SFRP1) promoter downregulates Wnt/Î²-catenin activity in keloids. Journal of Molecular Histology, 2018, 49, 185-193.	1.0	19
58	Klf4 Alleviates Lipopolysaccharide-Induced Inflammation by Inducing Expression of MCP-1 Induced Protein 1 to Deubiquitinate TRAF6. Cellular Physiology and Biochemistry, 2018, 47, 2278-2290.	1.1	19
59	Recovery of lost face of burn patients, perceived changes, and coping strategies in the rehabilitation stage. Burns, 2015, 41, 1855-1861.	1.1	18
60	The Akt/FoxO/p27^{Kip1} axis contributes to the antiâ€proliferation of pentoxifylline in hypertrophic scars. Journal of Cellular and Molecular Medicine, 2019, 23, 6164-6172.	1.6	18
61	MCPIP1 alleviated lipopolysaccharideâ€induced liver injury by regulating SIRT1 via modulation of microRNAâ€9. Journal of Cellular Physiology, 2019, 234, 22450-22462.	2.0	18
62	Simultaneous deactivation of FAK and Src improves the pathology of hypertrophic scar. Scientific Reports, 2016, 6, 26023.	1.6	17
63	MicroRNA-192 regulates hypertrophic scar fibrosis by targeting SIP1. Journal of Molecular Histology, 2017, 48, 357-366.	1.0	16
64	MicroRNA-130a has pro-fibroproliferative potential in hypertrophic scar by targeting CYLD. Archives of Biochemistry and Biophysics, 2019, 671, 152-161.	1.4	16
65	Smad interacting protein 1 influences transforming growth factor-Î²1/Smad signaling in extracellular matrix protein production and hypertrophic scar formation. Journal of Molecular Histology, 2019, 50, 503-514.	1.0	16
66	Hypoxia-inducible factor prolyl-hydroxylase inhibitor roxadustat (FG-4592) alleviates sepsis-induced acute lung injury. Respiratory Physiology and Neurobiology, 2020, 281, 103506.	0.7	16
67	Role for Heat Shock Protein 90Î± in the Proliferation and Migration of HaCaT Cells and in the Deep Second-Degree Burn Wound Healing in Mice. PLoS ONE, 2014, 9, e103723.	1.1	16
68	MicroRNA-494 targets PTEN and suppresses PI3K/AKT pathway to alleviate hypertrophic scar formation. Journal of Molecular Histology, 2019, 50, 315-323.	1.0	15
69	Guideline for diagnosis, prophylaxis and treatment of invasive fungal infection post burn injury in China 2013. Burns and Trauma, 2014, 2, 45.	0.7	14
70	Intense pulsed light is effective in treating postburn hyperpigmentation and telangiectasia in Chinese patients. Journal of Cosmetic and Laser Therapy, 2018, 20, 436-441.	0.3	14
71	Linagliptin inhibits high glucoseâ€induced transdifferentiation of hypertrophic scarâ€derived fibroblasts to myofibroblasts via <scp>IGF</scp>/Akt/<scp>mTOR</scp> signalling pathway. Experimental Dermatology, 2019, 28, 19-27.	1.4	13
72	Remodeling gut microbiota by Clostridium butyricum (C.butyricum) attenuates intestinal injury in burned mice. Burns, 2020, 46, 1373-1380.	1.1	13

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73	Effects of integrin Î±Î½Î²3 on differentiation and collagen synthesis induced by connective tissue growth factor in human hypertrophic scar fibroblasts. International Journal of Molecular Medicine, 2014, 34, 1323-1334.	1.8	12
74	PKCÎ¶ as a promising therapeutic target for TNFÎ±-induced inflammatory disorders in chronic cutaneous wounds. International Journal of Molecular Medicine, 2017, 40, 1335-1346.	1.8	12
75	Selective decontamination of the digestive tract ameliorates severe burn-induced insulin resistance in rats. Burns, 2015, 41, 1076-1085.	1.1	11
76	MCPIP1 regulates RORÎ± expression to protect against liver injury induced by lipopolysaccharide via modulation of miRâ€155. Journal of Cellular Physiology, 2019, 234, 16562-16572.	2.0	11
77	Acute pancreatic beta cell apoptosis by IL-1Î² is responsible for postburn hyperglycemia: Evidence from humans and mice. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2019, 1865, 275-284.	1.8	11
78	Glucocorticoid counteracts cellular mechanoresponses by LINC01569-dependent glucocorticoid receptorâ€“mediated mRNA decay. Science Advances, 2021, 7, .	4.7	11
79	Overexpression of miR-101 suppresses collagen synthesis by targeting EZH2 in hypertrophic scar fibroblasts. Burns and Trauma, 2021, 9, tkab038.	2.3	11
80	A Novel 3D Culture Model of Human ASCs Reduces Cell Death in Spheroid Cores and Maintains Inner Cell Proliferation Compared With a Nonadherent 3D Culture. Frontiers in Cell and Developmental Biology, 2021, 9, 737275.	1.8	11
81	Slc15a1 is involved in the transport of synthetic F5-peptide into the seminiferous epithelium in adult rat testes. Scientific Reports, 2015, 5, 16271.	1.6	9
82	The Notch pathway attenuates burn-induced acute lung injury in rats by repressing reactive oxygen species. Burns and Trauma, 2022, 10, tkac008.	2.3	9
83	Allogeneic adipose-derived stem cells promote survival of fat grafts in immunocompetent diabetic rats. Cell and Tissue Research, 2016, 364, 357-367.	1.5	8
84	Prolonged skin grafts survival time by IFN-Î³ in allogeneic skin transplantation model during acute rejection through IFN-Î³/STAT3/IDO pathway in epidermal layer. Biochemical and Biophysical Research Communications, 2018, 496, 436-442.	1.0	8
85	Genistein Protects Against Burn-Induced Myocardial Injury via Notch1-Mediated Suppression of Oxidative/Nitrative Stress. Shock, 2020, 54, 337-346.	1.0	8
86	Free vascularized fascia flap combined with skin grafting for deep toe ulcer in diabetic patients. Journal of Surgical Research, 2018, 231, 167-172.	0.8	7
87	ING4 alleviated lipopolysaccharideâ€induced inflammation by regulating the NFâ€ºB pathway via a direct interaction with SIRT1. Immunology and Cell Biology, 2020, 98, 127-137.	1.0	7
88	Focusing on Mechanoregulation Axis in Fibrosis: Sensing, Transduction and Effecting. Frontiers in Molecular Biosciences, 2022, 9, 804680.	1.6	7
89	The amelioration of composite tissue allograft rejection by TIM-3-modified dendritic cell: Regulation of the balance of regulatory and effector T cells. Immunology Letters, 2016, 169, 15-22.	1.1	6
90	Abcb1a and Abcb1b genes function differentially in bloodâ€“testis barrier dynamics in the rat. Cell Death and Disease, 2017, 8, e3038-e3038.	2.7	6

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91	Based on a Self-Feeder Layer, a Novel 3D Culture Model of Human ADSCs Facilitates Trans-Differentiation of the Spheroid Cells into Neural Progenitor-Like Cells Using siEID3 with a Laminin/Poly-d-lysine Matrix. Cells, 2021, 10, 493.	1.8	6
92	New insights into aging-associated characteristics of female subcutaneous adipose tissue through integrative analysis of multi-omics data. Bioengineered, 2022, 13, 2044-2057.	1.4	6
93	Disruption of the association between drug transporter and actin cytoskeleton abolishes drug resistance in hypertrophic scar. Oncotarget, 2017, 8, 2617-2627.	0.8	5
94	Expression and purification of rhIL-10-RGD from Escherichia coli as a potential wound healing agent. Journal of Microbiological Methods, 2016, 127, 62-67.	0.7	4
95	Reconstruction of Deep Burn Wounds Around the Ankle With Free Fascia Flaps Transfer and Split-Thickness Skin Graft. Journal of Burn Care and Research, 2019, 40, 763-768.	0.2	4
96	New Progress of Adipose-derived Stem Cells in the Therapy of Hypertrophic Scars. Current Stem Cell Research and Therapy, 2020, 15, 77-85.	0.6	4
97	Sirt1 Suppresses Burn Injury-Induced Inflammatory Response through Activating Autophagy in Raw264.7 Macrophages. Journal of Investigative Medicine, 2021, 69, 761-767.	0.7	4
98	Circular RNA expression profiles following negative pressure wound therapy in burn wounds with experimental Pseudomonas aeruginosa infection. Bioengineered, 2022, 13, 4122-4136.	1.4	4
99	Free Vascularized Anterolateral Thigh Fascia Lata Flap for Reconstruction in Electrical Burns of the Severely Damaged Finger. Journal of Burn Care and Research, 2019, 40, 242-245.	0.2	3
100	Integrative Analysis of MicroRNAs and mRNAs in LPS-Induced Macrophage Inflammation Based on Adipose Tissue Stem Cell Therapy. Inflammation, 2021, 44, 407-420.	1.7	3
101	Encapsulation of troglitazone and AVE0991 by gelation microspheres promotes epithelial transformation of adipose-derived stem cells. Molecular and Cellular Probes, 2020, 51, 101543.	0.9	2
102	Letter to the Editor Regarding Microneedle-Mediated Biomimetic Cyclodextrin Metal Organic Frameworks for Active Targeting and Treatment of Hypertrophic Scars. ACS Nano, 2022, 16, 8507-8508.	7.3	2
103	Transcriptome profiling in Eid1-KO mice brain shows that Eid1 links cell proliferation in the brain. Gene, 2019, 717, 143998.	1.0	1
104	Comment on â€œAllogeneic mesenchymal stem cells, but not culture modified monocytes, improve burn wound healingâ€• Burns, 2015, 41, 1894-1895.	1.1	0