

# Animal models in burn research

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Host factors that contribute to recurrent staphylococcal skin infection. <i>Current Opinion in Infectious Diseases</i> , 2015, 28, 253-258.	1.3	35
2	Inhibition of Glycogen Synthase Kinase-3 $\beta$ Attenuates Organ Injury and Dysfunction Associated With Liver Ischemia-Reperfusion and Thermal Injury in the Rat. <i>Shock</i> , 2015, 43, 369-378.	1.0	11
3	Topical Antibiotic Ointment Versus Silver-containing Foam Dressing for Second-degree Burns in Swine. <i>Academic Emergency Medicine</i> , 2015, 22, 927-933.	0.8	13
4	Porcine Models of Cutaneous Wound Healing. <i>ILAR Journal</i> , 2015, 56, 127-138.	1.8	170
5	Pathophysiologic Response to Burns in the Elderly. <i>EBioMedicine</i> , 2015, 2, 1536-1548.	2.7	110
6	Erythropoietin Reduces Acute Lung Injury and Multiple Organ Failure/Dysfunction Associated to a Scald-Burn Inflammatory Injury in the Rat. <i>Inflammation</i> , 2015, 38, 312-326.	1.7	30
7	The future of murine sepsis and trauma research models. <i>Journal of Leukocyte Biology</i> , 2015, 98, 945-952.	1.5	89
8	Advances in drug delivery systems (DDSs) to release growth factors for wound healing and skin regeneration. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2015, 11, 1551-1573.	1.7	211
9	The immunology of the porcine skin and its value as a model for human skin. <i>Molecular Immunology</i> , 2015, 66, 14-21.	1.0	348
10	Biofilm models of polymicrobial infection. <i>Future Microbiology</i> , 2015, 10, 1997-2015.	1.0	120
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12	Cardiovascular Dysfunction Following Burn Injury: What We Have Learned from Rat and Mouse Models. <i>International Journal of Molecular Sciences</i> , 2016, 17, 53.	1.8	53
13	Collagen structural alterations contribute to stiffening of tissue after split-thickness skin grafting. <i>Wound Repair and Regeneration</i> , 2016, 24, 263-274.	1.5	18
14	Preparation of Partial-Thickness Burn Wounds in Rodents Using a New Experimental Burning Device. <i>Annals of Plastic Surgery</i> , 2016, 76, 652-658.	0.5	8
15	Effect of Human Burn Wound Exudate on <i>Pseudomonas aeruginosa</i> Virulence. <i>MSphere</i> , 2016, 1, .	1.3	68
16	Skin Diseases in Laboratory Mice: Approaches to Drug Target Identification and Efficacy Screening. <i>Methods in Molecular Biology</i> , 2016, 1438, 199-224.	0.4	2
17	Short-term treatment of equine wounds with orf virus IL-10 and VEGF dampens inflammation and promotes repair processes without accelerating closure. <i>Wound Repair and Regeneration</i> , 2016, 24, 966-980.	1.5	32
18	Photo-biomodulatory response of low-power laser irradiation on burn tissue repair in mice. <i>Lasers in Medical Science</i> , 2016, 31, 1741-1750.	1.0	35

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19	Quantifying the role of burn temperature, burn duration and skin thickness in an in vivo animal skin model of heat conduction. <i>International Journal of Heat and Mass Transfer</i> , 2016, 101, 542-549.	2.5	13
20	Impact of Isolated Burns on Major Organs. <i>Shock</i> , 2016, 46, 137-147.	1.0	25
21	Histological Assessment of a Combined Low-Level Laser/Light-Emitting Diode Therapy (685nm/470nm) for Sutured Skin Incisions in a Porcine Model: A Short Report. <i>Photomedicine and Laser Surgery</i> , 2016, 34, 53-55.	2.1	31
22	Progress of clinical practice on the management of burn-associated pain: Lessons from animal models. <i>Burns</i> , 2016, 42, 1161-1172.	1.1	24
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24	Burn wound healing: present concepts, treatment strategies and future directions. <i>Journal of Wound Care</i> , 2017, 26, 5-19.	0.5	122
25	A Surgical Device to Study the Efficacy of Bioengineered Skin Substitutes in Mice Wound Healing Models. <i>Tissue Engineering - Part C: Methods</i> , 2017, 23, 237-242.	1.1	17
26	A new apparatus for standardization of experimental burn models. <i>Burns</i> , 2017, 43, 1322-1329.	1.1	3
27	New Mouse Model for Chronic Infections by Gram-Negative Bacteria Enabling the Study of Anti-Infective Efficacy and Host-Microbe Interactions. <i>MBio</i> , 2017, 8, .	1.8	97
28	A model of recovery from inhalation injury and cutaneous burn in ambulatory swine. <i>Burns</i> , 2017, 43, 1295-1305.	1.1	7
29	Molecular mechanisms of trauma-induced acute kidney injury: Inflammatory and metabolic insights from animal models. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2017, 1863, 2661-2671.	1.8	32
30	Local Administration of Thiamine Ameliorates Ongoing Pain in a Rat Model of Second-Degree Burn. <i>Journal of Burn Care and Research</i> , 2017, 38, e842-e850.	0.2	6
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35	IL-6 Signal From the Bone Marrow is Required for the Browning of White Adipose Tissue Post Burn Injury. <i>Shock</i> , 2017, 47, 33-39.	1.0	49
36	Radiotherapy-Induced Skin Reactions Induce Fibrosis Mediated by TGF- $\beta$ 1 Cytokine. <i>Dose-Response</i> , 2017, 15, 155932581770501.	0.7	20

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38	Inducible satellite cell depletion attenuates skeletal muscle regrowth following a scaldâ€burn injury. <i>Journal of Physiology</i> , 2017, 595, 6687-6701.	1.3	14
39	Biocomposite nanofiber matrices to support ECM remodeling by human dermal progenitors and enhanced wound closure. <i>Scientific Reports</i> , 2017, 7, 10291.	1.6	66
40	Comparing the reported burn conditions for different severity burns in porcine models: a systematic review. <i>International Wound Journal</i> , 2017, 14, 1199-1212.	1.3	13
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42	Expression of Six Proteins Causes Reprogramming of Porcine Fibroblasts Into Induced Pluripotent Stem Cells With Both Active X Chromosomes. <i>Journal of Cellular Biochemistry</i> , 2017, 118, 537-553.	1.2	38
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46	Animals Models for Healing Studies After Partial Nephrectomy. , 2017, , 445-465.		0
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48	Macrophageâ€derived <sc>GPNMB</sc> accelerates skin healing. <i>Experimental Dermatology</i> , 2018, 27, 630-635.	1.4	26
49	Delivery of Allogeneic Adipose Stem Cells in Polyethylene Glycol-Fibrin Hydrogels as an Adjunct to Meshed Autografts After Sharp Debridement of Deep Partial Thickness Burns. <i>Stem Cells Translational Medicine</i> , 2018, 7, 360-372.	1.6	42
50	Mammalian target of rapamycin regulates a hyperresponsive state in pulmonary neutrophils late after burn injury. <i>Journal of Leukocyte Biology</i> , 2018, 103, 909-918.	1.5	17
51	Balancing animal welfare and assisted reproduction: ethics of preclinical animal research for testing new reproductive technologies. <i>Medicine, Health Care and Philosophy</i> , 2018, 21, 537-545.	0.9	8
52	Membraneâ€active peptide <sc>PV</sc>3 efficiently eradicates multidrugâ€resistant <i>Pseudomonas aeruginosa</i> in a mouse model of burn infection. <i>Apmis</i> , 2018, 126, 114-122.	0.9	20
53	Skin wound healing in humans and mice: Challenges in translational research. <i>Journal of Dermatological Science</i> , 2018, 90, 3-12.	1.0	292
54	Biomaterials for Skin Substitutes. <i>Advanced Healthcare Materials</i> , 2018, 7, 1700897.	3.9	138

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59	The effect of low molecular weight heparin on salvaging the zone of stasis in an experimental burn model. <i>Turkish Journal of Medical Sciences</i> , 2018, 48, 653-660.	0.4	1
60	RUNX2 promotes epithelial differentiation of ADSCs and burn wound healing via targeting E-cadherin. <i>Oncotarget</i> , 2018, 9, 2646-2659.	0.8	16
61	Splenectomy modulates early immuno-inflammatory responses to trauma-hemorrhage and protects mice against secondary sepsis. <i>Scientific Reports</i> , 2018, 8, 14890.	1.6	16
62	PEG-Plasma Hydrogels Increase Epithelialization Using a Human Ex Vivo Skin Model. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3156.	1.8	18
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64	A novel animal model for residence time evaluation of injectable hyaluronic acid-based fillers using high-frequency ultrasound-based approach. <i>Clinical, Cosmetic and Investigational Dermatology</i> , 2018, Volume 11, 339-346.	0.8	7
65	Interference in Bacterial Quorum Sensing: A Biopharmaceutical Perspective. <i>Frontiers in Pharmacology</i> , 2018, 9, 203.	1.6	230
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70	Review: Multimodal bioactive material approaches for wound healing. <i>APL Bioengineering</i> , 2018, 2, 021503.	3.3	46
71	Immunomodulatory strategies for immune dysregulation following severe musculoskeletal trauma. <i>Journal of Immunology and Regenerative Medicine</i> , 2018, 2, 21-35.	0.2	8
72	Role of Schwann cells in cutaneous wound healing. <i>Wound Repair and Regeneration</i> , 2018, 26, 392-397.	1.5	29

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73	The <i>panniculus carnosus</i> muscle: an evolutionary enigma at the intersection of distinct research fields. <i>Journal of Anatomy</i> , 2018, 233, 275-288.	0.9	71
74	Overall perspective on the clinical importance of skin models. , 2018, , 39-54.		4
75	Short time insulin treatment post burn improves elastic-collagen rearrangement and reepithelization. <i>Connective Tissue Research</i> , 2019, 60, 230-239.	1.1	6
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80	<i>Staphylococcus epidermidis</i> role in the skin microenvironment. <i>Journal of Cellular and Molecular Medicine</i> , 2019, 23, 5949-5955.	1.6	29
81	Low dose radiation attenuates inflammation and promotes wound healing in a mouse burn model. <i>Journal of Dermatological Science</i> , 2019, 96, 81-89.	1.0	19
82	Identification of Metagenomics Structure and Function Associated With Temporal Changes in Rat ( <i>Rattus norvegicus</i> ) Skin Microbiome During Health and Cutaneous Burn. <i>Journal of Burn Care and Research</i> , 2019, 41, 347-358.	0.2	5
83	Cadaver models for cardiac arrest: A systematic review and perspectives. <i>Resuscitation</i> , 2019, 143, 68-76.	1.3	6
84	Inferior vena cava resection without reconstruction for retroperitoneal malignancies. <i>Journal of Surgical Case Reports</i> , 2019, 2019, rjz275.	0.2	5
85	Modeling trauma in rats: similarities to humans and potential pitfalls to consider. <i>Journal of Translational Medicine</i> , 2019, 17, 305.	1.8	51
86	â€œThree-in-Oneâ€•SERS Adhesive Tape for Rapid Sampling, Release, and Detection of Wound Infectious Pathogens. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 36399-36408.	4.0	33
87	Geometry-Dependent Spectroscopic Contrast in Deep Tissues. <i>IScience</i> , 2019, 19, 965-975.	1.9	15
88	Formation of <i>Pseudomonas aeruginosa</i> Biofilms in Full-thickness Scald Burn Wounds in Rats. <i>Scientific Reports</i> , 2019, 9, 13627.	1.6	41
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92	Non-Propellant Foams of Green Nano-Silver and Sulfadiazine: Development and In Vivo Evaluation for Burn Wounds. <i>Pharmaceutical Research</i> , 2019, 36, 122.	1.7	10
93	A Practical Noncontact Model to Create Standardized Experimental Burn Wounds of Any Thickness: Blue Beam Laser Pointer for Burn Induction. <i>Journal of Burn Care and Research</i> , 2019, 40, 805-808.	0.2	5
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98	Developing a Simple Burn Model in Rats of Different Ages. <i>Journal of Burn Care and Research</i> , 2019, 40, 639-647.	0.2	3
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100	Preparation and evaluation of QbD based fusidic acid loaded in situ gel formulations for burn wound treatment. <i>Journal of Drug Delivery Science and Technology</i> , 2019, 52, 110-121.	1.4	29
101	One-hit wonder: Late after burn injury, granulocytes can clear one bacterial infection but cannot control a subsequent infection. <i>Burns</i> , 2019, 45, 627-640.	1.1	10
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103	Using Bioactive Glasses in the Management of Burns. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019, 7, 62.	2.0	47
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106	Wound healing models: A systematic review of animal and non-animal models. <i>Wound Medicine</i> , 2019, 24, 8-17.	2.7	67
107	Novel pharmacotherapy for burn wounds: what are the advancements. <i>Expert Opinion on Pharmacotherapy</i> , 2019, 20, 305-321.	0.9	26
108	Dual layered wound dressing with simultaneous temperature & antibacterial regulation properties. <i>Materials Science and Engineering C</i> , 2019, 94, 1077-1082.	3.8	13
109	Effect of a single dose of subcutaneous meloxicam before knife castration alone or combined with hot-iron branding on scrotal healing, inflammatory response, and behaviour in 2-mo-old beef calves over 42Âd post procedure. <i>Canadian Journal of Animal Science</i> , 2019, 99, 179-190.	0.7	1

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111	Temporal shifts in the mycobiome structure and network architecture associated with a rat ( <i>Rattus</i> ) Tj ETQq1 1 0.784314 rgBT /Overlanc	0.3	5
112	Mouse models in burns research: Characterisation of the hypermetabolic response to burn injury. <i>Burns</i> , 2020, 46, 663-674.	1.1	30
113	Mass production of 2D materials by intermediate-assisted grinding exfoliation. <i>National Science Review</i> , 2020, 7, 324-332.	4.6	100
114	Animal models in chronic wound healing research. , 2020, , 197-224.		2
115	Increased oxidative phosphorylation in lymphocytes does not atone for decreased cell numbers after burn injury. <i>Innate Immunity</i> , 2020, 26, 403-412.	1.1	6
116	Metformin alleviates muscle wasting post-thermal injury by increasing Pax7-positive muscle progenitor cells. <i>Stem Cell Research and Therapy</i> , 2020, 11, 18.	2.4	23
117	Current status and future outlook of nano-based systems for burn wound management. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2020, 108, 1934-1952.	1.6	29
118	Beneficial Effect of Intense Pulsed Light on the Wound Healing in Diabetic Rats. <i>Lasers in Surgery and Medicine</i> , 2020, 52, 530-536.	1.1	11
119	Distinct Tissue Damage and Microbial Cues Drive Neutrophil and Macrophage Recruitment to Thermal Injury. <i>IScience</i> , 2020, 23, 101699.	1.9	13
120	Management of Thermal Injuries in Donkeys: A Case Report. <i>Animals</i> , 2020, 10, 2131.	1.0	0
121	Comparison of hypertrophic scarring on a red Duroc pig and a Guangxi Mini Bama pig. <i>Scars, Burns &amp; Healing</i> , 2020, 6, 205951312093090.	0.6	5
122	The effects of cross-linking a collagen-elastin dermal template on scaffold bio-stability and degradation. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2020, 14, 1189-1200.	1.3	6
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124	Advanced engineering of third-generation lysins and formulation strategies for clinical applications. <i>Critical Reviews in Microbiology</i> , 2020, 46, 548-564.	2.7	41
125	The New Pharmaceutical Compositions of Zinc Oxide Nanoparticles and Triterpenoids for the Burn Treatment. <i>Pharmaceutics</i> , 2020, 13, 207.	1.7	8
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127	Activation of ER stress signalling increases mortality after a major trauma. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 9764-9773.	1.6	9

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129	Monitoring the Progress and Healing Status of Burn Wounds Using Infrared Spectroscopy. <i>Applied Spectroscopy</i> , 2020, 74, 758-766.	1.2	3
130	Evolutionary transformation of the subcutaneous muscle in rodents of Ctenohystrica (Rodentia:). <i>Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50 6</i>	0.6	2
131	An Invertebrate Burn Wound Model That Recapitulates the Hallmarks of Burn Trauma and Infection Seen in Mammalian Models. <i>Frontiers in Microbiology</i> , 2020, 11, 998.	1.5	24
132	Mesenchymal Stem Cells for Chronic Wound Healing: Current Status of Preclinical and Clinical Studies. <i>Tissue Engineering - Part B: Reviews</i> , 2020, 26, 555-570.	2.5	115
133	Creation of rapid and reproducible burn in animal model with a newly developed burn device. <i>Burns</i> , 2020, 46, 1142-1149.	1.1	7
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137	The efficacy of a traditional medicine preparation on second-degree burn wounds in rats. <i>Journal of Ethnopharmacology</i> , 2020, 252, 112570.	2.0	17
138	Wound healing properties and antimicrobial activity of platelet-derived biomaterials. <i>Scientific Reports</i> , 2020, 10, 1032.	1.6	33
139	Comparative Analysis of the Host Response in a Rat Model of Deep-Partial and Full-Thickness Burn Wounds With <i>Pseudomonas aeruginosa</i> Infection. <i>Frontiers in Cellular and Infection Microbiology</i> , 2019, 9, 466.	1.8	14
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144	Investigating the effects of walnut ointment on non-healing burn wounds. <i>Burns</i> , 2021, 47, 455-465.	1.1	6
145	Coming to Consensus: What Defines Deep Partial Thickness Burn Injuries in Porcine Models?. <i>Journal of Burn Care and Research</i> , 2021, 42, 98-109.	0.2	15

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147	The use of human ex vivo models in burn research – Developments and perspectives. <i>Burns</i> , 2021, 47, 966-968.	1.1	1
148	The contradictory role of androgens in cutaneous and major burn wound healing. <i>Burns and Trauma</i> , 2021, 9, tkaa046.	2.3	5
149	Nanophyto-gel against multi-drug resistant <i>Pseudomonas aeruginosa</i> burn wound infection. <i>Drug Delivery</i> , 2021, 28, 463-477.	2.5	19
150	Preclinical models of elbow injury and pathology. <i>Annals of Joint</i> , 0, 6, 12-12.	1.0	1
151	A novel human ex vivo skin model to study early local responses to burn injuries. <i>Scientific Reports</i> , 2021, 11, 364.	1.6	26
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154	Persistent Systemic Inflammation in Patients With Severe Burn Injury Is Accompanied by Influx of Immature Neutrophils and Shifts in T Cell Subsets and Cytokine Profiles. <i>Frontiers in Immunology</i> , 2020, 11, 621222.	2.2	41
155	Improving the Inhibitory Effect of Phages against <i>Pseudomonas aeruginosa</i> Isolated from a Burn Patient Using a Combination of Phages and Antibiotics. <i>Viruses</i> , 2021, 13, 334.	1.5	25
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