Marc G Jeschke

List of Publications by Citations

206 papers	8,993 citations	50 h-index	89 g-index
308 ext. papers	10,975 ext. citations	5 avg, IF	6.47 L-index

#	Paper	IF	Citations
206	Hypertrophic scarring and keloids: pathomechanisms and current and emerging treatment strategies. *Molecular Medicine*, **2011**, 17, 113-25	6.2	797
205	Pathophysiologic response to severe burn injury. *Annals of Surgery*, **2008**, 248, 387-401	7.8	407
204	Long-term persistance of the pathophysiologic response to severe burn injury. *PLoS ONE*, **2011**, 6, e21245	3.7	360
203	Hypertrophic scarring: the greatest unmet challenge after burn injury. *Lancet, The*, **2016**, 388, 1427-1436	40	246
202	Burn size determines the inflammatory and hypermetabolic response. *Critical Care*, **2007**, 11, R90	10.8	198
201	The leading causes of death after burn injury in a single pediatric burn center. *Critical Care*, **2009**, 13, R183	10.8	195
200	Up-to-date approach to manage keloids and hypertrophic scars: a useful guide. *Burns*, **2014**, 40, 1255-66	2.3	187
199	Post burn muscle wasting and the effects of treatments. *International Journal of Biochemistry and Cell Biology*, **2005**, 37, 1948-61	5.6	159
198	Intensive insulin therapy in severely burned pediatric patients: a prospective randomized trial. *American Journal of Respiratory and Critical Care Medicine*, **2010**, 182, 351-9	10.2	156
197	Burn injury. *Nature Reviews Disease Primers*, **2020**, 6, 11	51.1	147
196	Isolation and characterization of mesenchymal stem cells from the sub-amniotic human umbilical cord lining membrane. *Stem Cells and Development*, **2010**, 19, 491-502	4.4	139
195	The hypermetabolic response to burn injury and interventions to modify this response. *Clinics in Plastic Surgery*, **2009**, 36, 583-96	3	137
194	Temporal cytokine profiles in severely burned patients: a comparison of adults and children. *Molecular Medicine*, **2008**, 14, 553-60	6.2	137
193	Abnormal insulin sensitivity persists up to three years in pediatric patients post-burn. *Journal of Clinical Endocrinology and Metabolism*, **2009**, 94, 1656-64	5.6	134
192	Infection in Burns. *Surgical Infections*, **2016**, 17, 250-5	2	126
191	The effect of oxandrolone on the endocrinologic, inflammatory, and hypermetabolic responses during the acute phase postburn. *Annals of Surgery*, **2007**, 246, 351-60; discussion 360-2	7.8	125
190	Burn size and survival probability in paediatric patients in modern burn care: a prospective observational cohort study. *Lancet, The*, **2012**, 379, 1013-21	40	124

189	The use of dermal substitutes in burn surgery: acute phase. *Wound Repair and Regeneration*, **2014**, 22, 14-22	3.6	120
188	Handheld skin printer: in situ formation of planar biomaterials and tissues. *Lab on A Chip*, **2018**, 18, 1440-1451	7.1	118
187	Burn Induces Browning of the Subcutaneous White Adipose Tissue in Mice and Humans. *Cell Reports*, **2015**, 13, 1538-44	10.6	113
186	Human WhartonR jelly mesenchymal stem cells promote skin wound healing through paracrine signaling. *Stem Cell Research and Therapy*, **2014**, 5, 28	8.3	109
185	Morbidity and survival probability in burn patients in modern burn care. *Critical Care Medicine*, **2015**, 43, 808-15	1.4	107
184	The hepatic response to thermal injury: is the liver important for postburn outcomes?. *Molecular Medicine*, **2009**, 15, 337-51	6.2	102
183	Amnion in the treatment of pediatric partial-thickness facial burns. *Burns*, **2008**, 34, 393-9	2.3	101
182	Blood transfusions are associated with increased risk for development of sepsis in severely burned pediatric patients. *Critical Care Medicine*, **2007**, 35, 579-83	1.4	99
181	Characterization of the inflammatory response during acute and post-acute phases after severe burn. *Shock*, **2008**, 30, 503-7	3.4	96
180	The properties of an "ideal" burn wound dressing--what do we need in daily clinical practice? Results of a worldwide online survey among burn care specialists. *Burns*, **2012**, 38, 960-6	2.3	95
179	Fatty infiltration of the liver in severely burned pediatric patients: autopsy findings and clinical implications. *Journal of Trauma*, **2001**, 51, 736-9		90
178	Biomaterials for Skin Substitutes. *Advanced Healthcare Materials*, **2018**, 7, 1700897	10.1	88
177	Changes in liver function and size after a severe thermal injury. *Shock*, **2007**, 28, 172-7	3.4	88
176	Body composition changes with time in pediatric burn patients. *Journal of Trauma*, **2006**, 60, 968-71; discussion 971		88
175	Survivors versus nonsurvivors postburn: differences in inflammatory and hypermetabolic trajectories. *Annals of Surgery*, **2014**, 259, 814-23	7.8	87
174	A porcine model of full-thickness burn, excision and skin autografting. *Burns*, **2008**, 34, 1119-27	2.3	85
173	Nutrition in burns: Galveston contributions. *Journal of Parenteral and Enteral Nutrition*, **2011**, 35, 704-14	4.2	82
172	Metabolic and hormonal changes of severely burned children receiving long-term oxandrolone treatment. *Annals of Surgery*, **2005**, 242, 384-9, discussion 390-1	7.8	81

171	Calcium and ER stress mediate hepatic apoptosis after burn injury. *Journal of Cellular and Molecular Medicine*, **2009**, 13, 1857-65	5.6	77
170	Extended hypermetabolic response of the liver in severely burned pediatric patients. *Archives of Surgery*, **2004**, 139, 641-7		77
169	Severe injury is associated with insulin resistance, endoplasmic reticulum stress response, and unfolded protein response. *Annals of Surgery*, **2012**, 255, 370-8	7.8	76
168	Pathophysiologic Response to Burns in the Elderly. *EBioMedicine*, **2015**, 2, 1536-48	8.8	75
167	The influence of age and gender on resting energy expenditure in severely burned children. *Annals of Surgery*, **2006**, 244, 121-30	7.8	72
166	Methodologies in creating skin substitutes. *Cellular and Molecular Life Sciences*, **2016**, 73, 3453-72	10.3	70
165	Burns in children: standard and new treatments. *Lancet, The*, **2014**, 383, 1168-78	40	67
164	Stress hyperglycemia, insulin treatment, and innate immune cells. *International Journal of Endocrinology*, **2014**, 2014, 486403	2.7	65
163	White Adipose Tissue Browning: A Double-edged Sword. *Trends in Endocrinology and Metabolism*, **2016**, 27, 542-552	8.8	62
162	Propranolol does not increase inflammation, sepsis, or infectious episodes in severely burned children. *Journal of Trauma*, **2007**, 62, 676-81		57
161	Pathophysiological Response to Burn Injury in Adults. *Annals of Surgery*, **2018**, 267, 576-584	7.8	55
160	Scar management in burn injuries using drug delivery and molecular signaling: Current treatments and future directions. *Advanced Drug Delivery Reviews*, **2018**, 123, 135-154	18.5	54
159	The biochemical alterations underlying post-burn hypermetabolism. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2017**, 1863, 2633-2644	6.9	50
158	Threshold age and burn size associated with poor outcomes in the elderly after burn injury. *Burns*, **2016**, 42, 276-81	2.3	50
157	Burns: where are we standing with propranolol, oxandrolone, recombinant human growth hormone, and the new incretin analogs?. *Current Opinion in Clinical Nutrition and Metabolic Care*, **2011**, 14, 176-81	3.8	50
156	Stem Cell Therapy: A New Treatment for Burns?. *Pharmaceuticals*, **2011**, 4, 1355-1380	5.2	48
155	Effect of insulin on the inflammatory and acute phase response after burn injury. *Critical Care Medicine*, **2007**, 35, S519-23	1.4	48
154	Review of Adult Electrical Burn Injury Outcomes Worldwide: An Analysis of Low-Voltage vs High-Voltage Electrical Injury. *Journal of Burn Care and Research*, **2017**, 38, e293-e298	0.8	47

153	Severe burn-induced endoplasmic reticulum stress and hepatic damage in mice. *Molecular Medicine*, **2009**, 15, 316-20	6.2	47
152	Glucose control in severely thermally injured pediatric patients: what glucose range should be the target?. *Annals of Surgery*, **2010**, 252, 521-7; discussion 527-8	7.8	47
151	Major psychological complications and decreased health-related quality of life among survivors of Stevens-Johnson syndrome and toxic epidermal necrolysis. *British Journal of Dermatology*, **2016**, 175, 422-4	4	47
150	Post-burn hepatic insulin resistance is associated with endoplasmic reticulum (ER) stress. *Shock*, **2010**, 33, 299-305	3.4	46
149	Urinary cortisol and catecholamine excretion after burn injury in children. *Journal of Clinical Endocrinology and Metabolism*, **2008**, 93, 1270-5	5.6	46
148	Calcium and ER stress mediate hepatic apoptosis after burn injury **2009**, 13, 1857-65		46
147	Postburn Hypermetabolism: Past, Present, and Future. *Journal of Burn Care and Research*, **2016**, 37, 86-96	0.8	44
146	Modeling Acute ER Stress in Vivo and in Vitro. *Shock*, **2017**, 47, 506-513	3.4	43
145	Enteral nutrition support in burn care: a review of current recommendations as instituted in the Ross Tilley Burn Centre. *Nutrients*, **2012**, 4, 1554-65	6.7	43
144	Occurrence of multiorgan dysfunction in pediatric burn patients: incidence and clinical outcome. *Annals of Surgery*, **2014**, 259, 381-7	7.8	42
143	Biodistribution and feasibility of non-viral IGF-I gene transfers in thermally injured skin. *Laboratory Investigation*, **2000**, 80, 151-8	5.9	42
142	Leukocyte infiltration and activation of the NLRP3 inflammasome in white adipose tissue following thermal injury. *Critical Care Medicine*, **2014**, 42, 1357-64	1.4	40
141	Impaired Immune Response in Elderly Burn Patients: New Insights Into the Immune-senescence Phenotype. *Annals of Surgery*, **2016**, 264, 195-202	7.8	40
140	Impact of oxandrolone treatment on acute outcomes after severe burn injury. *Journal of Burn Care and Research*, **2008**, 29, 902-6	0.8	39
139	Glucose Control in Severely Burned Patients Using Metformin: An Interim Safety and Efficacy Analysis of a Phase II Randomized Controlled Trial. *Annals of Surgery*, **2016**, 264, 518-27	7.8	39
138	Exosomes from acellular Wharton's jelly of the human umbilical cord promotes skin wound healing. *Stem Cell Research and Therapy*, **2018**, 9, 193	8.3	38
137	Cellularized Bilayer Pullulan-Gelatin Hydrogel for Skin Regeneration. *Tissue Engineering - Part A*, **2016**, 22, 754-64	3.9	38
136	Insulin protects against hepatic damage postburn. *Molecular Medicine*, **2011**, 17, 516-22	6.2	37

135	IL-6 Signal From the Bone Marrow is Required for the Browning of White Adipose Tissue Post Burn Injury. *Shock*, **2017**, 47, 33-39	3.4	35
134	Mild obesity is protective after severe burn injury. *Annals of Surgery*, **2013**, 258, 1119-29	7.8	34
133	Hold the Pendulum: Rates of Acute Kidney Injury are Increased in Patients Who Receive Resuscitation Volumes Less than Predicted by the Parkland Equation. *Annals of Surgery*, **2016**, 264, 1142-1147	7.8	33
132	New molecular medicine-based scar management strategies. *Burns*, **2014**, 40, 539-51	2.3	33
131	Clinical review: Glucose control in severely burned patients - current best practice. *Critical Care*, **2013**, 17, 232	10.8	33
130	Wound coverage technologies in burn care: novel techniques. *Journal of Burn Care and Research*, **2013**, 34, 612-20	0.8	33
129	Perturbed mononuclear phagocyte system in severely burned and septic patients. *Shock*, **2013**, 40, 81-8	3.4	33
128	Long-term oxandrolone treatment increases muscle protein net deposition via improving amino acid utilization in pediatric patients 6 months after burn injury. *Surgery*, **2011**, 149, 645-53	3.6	33
127	Burn plus lipopolysaccharide augments endoplasmic reticulum stress and NLRP3 inflammasome activation and reduces PGC-1 in liver. *Shock*, **2014**, 41, 138-44	3.4	31
126	Gut mucosal homeostasis and cellular mediators after severe thermal trauma and the effect of insulin-like growth factor-I in combination with insulin-like growth factor binding protein-3. *Endocrinology*, **2007**, 148, 354-62	4.8	30
125	Endoplasmic reticulum stress in adipose tissue augments lipolysis. *Journal of Cellular and Molecular Medicine*, **2015**, 19, 82-91	5.6	29
124	Sepsis criteria versus clinical diagnosis of sepsis in burn patients: A validation of current sepsis scores. *Surgery*, **2018**, 164, 1241-1245	3.6	29
123	Stem cells derived from burned skin - The future of burn care. *EBioMedicine*, **2018**, 37, 509-520	8.8	29
122	Taming the Flames: Targeting White Adipose Tissue Browning in Hypermetabolic Conditions. *Endocrine Reviews*, **2017**, 38, 538-549	27.2	28
121	A comparison of Biobrane and cadaveric allograft for temporizing the acute burn wound: Cost and procedural time. *Burns*, **2015**, 41, 749-53	2.3	27
120	Handheld instrument for wound-conformal delivery of skin precursor sheets improves healing in full-thickness burns. *Biofabrication*, **2020**, 12, 025002	10.5	27
119	Palmitate differentially regulates the polarization of differentiating and differentiated macrophages. *Immunology*, **2016**, 147, 82-96	7.8	27
118	The Role of Serotonin during Skin Healing in Post-Thermal Injury. *International Journal of Molecular Sciences*, **2018**, 19,	6.3	27

117	Severe Physical Complications among Survivors of Stevens-Johnson Syndrome and Toxic Epidermal Necrolysis. *Drug Safety*, **2018**, 41, 277-284	5.1	26
116	Propranolol improves impaired hepatic phosphatidylinositol 3-kinase/akt signaling after burn injury. *Molecular Medicine*, **2012**, 18, 707-11	6.2	26
115	Can we use C-reactive protein levels to predict severe infection or sepsis in severely burned patients?. *International Journal of Burns and Trauma*, **2013**, 3, 137-43	0.4	26
114	Hypoglycemia is associated with increased postburn morbidity and mortality in pediatric patients. *Critical Care Medicine*, **2014**, 42, 1221-31	1.4	25
113	Status and Challenges of Predicting and Diagnosing Sepsis in Burn Patients. *Surgical Infections*, **2018**, 19, 168-175	2	24
112	Burn and starvation increase programmed cell death in small bowel epithelial cells. *Digestive Diseases and Sciences*, **2000**, 45, 415-20	4	24
111	Association Between Burn Injury and Mental Illness among Burn Survivors: A Population-Based, Self-Matched, Longitudinal Cohort Study. *Journal of the American College of Surgeons*, **2017**, 225, 516-524	4.4	23
110	The effect of ketoconazole on post-burn inflammation, hypermetabolism and clinical outcomes. *PLoS ONE*, **2012**, 7, e35465	3.7	23
109	Sex differences in the long-term outcome after a severe thermal injury. *Shock*, **2007**, 27, 461-5	3.4	23
108	Regulation of glycolysis and the Warburg effect in wound healing. *JCI Insight*, **2020**, 5,	9.9	22
107	Browning of white adipose tissue after a burn injury promotes hepatic steatosis and dysfunction. *Cell Death and Disease*, **2019**, 10, 870	9.8	22
106	Metformin prevents the pathological browning of subcutaneous white adipose tissue. *Molecular Metabolism*, **2019**, 29, 12-23	8.8	21
105	NLRP3 inflammasome activity is required for wound healing after burns. *Translational Research*, **2020**, 217, 47-60	11	21
104	Advances in Liver Regeneration: Revisiting Hepatic Stem/Progenitor Cells and Their Origin. *Stem Cells International*, **2016**, 2016, 7920897	5	21
103	Electrospun Polyurethane-Gelatin Composite: A New Tissue-Engineered Scaffold for Application in Skin Regeneration and Repair of Complex Wounds. *ACS Biomaterials Science and Engineering*, **2020**, 6, 505-516	5.5	20
102	Alternatively Activated Macrophages Drive Browning of White Adipose Tissue in Burns. *Annals of Surgery*, **2019**, 269, 554-563	7.8	20
101	Endoplasmic reticulum stress and insulin resistance post-trauma: similarities to type 2 diabetes. *Journal of Cellular and Molecular Medicine*, **2012**, 16, 437-44	5.6	19
100	Is there a difference in clinical outcomes, inflammation, and hypermetabolism between scald and flame burn?. *Pediatric Critical Care Medicine*, **2011**, 12, e275-81	3	19

99	Burn Care of the Elderly. *Journal of Burn Care and Research*, **2017**, 38, e625-e628	0.8	18
98	Fibrin biomatrix-conjugated platelet-derived growth factor AB accelerates wound healing in severe thermal injury. *Journal of Tissue Engineering and Regenerative Medicine*, **2016**, 10, E275-85	4.4	18
97	An Ounce of Prevention Saves Tons of Lives: Infection in Burns. *Surgical Infections*, **2015**, 16, 380-7	2	17
96	Differences between murine and human sepsis. *Surgical Clinics of North America*, **2014**, 94, 1135-49	4	16
95	Bacterial respiratory tract infections are promoted by systemic hyperglycemia after severe burn injury in pediatric patients. *Burns*, **2014**, 40, 428-35	2.3	16
94	Antioxidant and Trace Element Supplementation Reduce the Inflammatory Response in Critically Ill Burn Patients. *Journal of Burn Care and Research*, **2018**, 39, 1-9	0.8	16
93	Acellular Gelatinous Material of Human Umbilical Cord Enhances Wound Healing: A Candidate Remedy for Deficient Wound Healing. *Frontiers in Physiology*, **2017**, 8, 200	4.6	16
92	Alternative Mechanism for White Adipose Tissue Lipolysis after Thermal Injury. *Molecular Medicine*, **2016**, 21, 959-968	6.2	16
91	Allogeneic mesenchymal stem cells for treatment of severe burn injury. *Stem Cell Research and Therapy*, **2019**, 10, 337	8.3	16
90	NLRP3 Inflammasome Modulates Post-Burn Lipolysis and Hepatic Fat Infiltration via Fatty Acid Synthase. *Scientific Reports*, **2018**, 8, 15197	4.9	16
89	A Surgical Device to Study the Efficacy of Bioengineered Skin Substitutes in Mice Wound Healing Models. *Tissue Engineering - Part C: Methods*, **2017**, 23, 237-242	2.9	15
88	Interaction of exogenous liposomal insulin-like growth factor-I cDNA gene transfer with growth factors on collagen expression in acute wounds. *Wound Repair and Regeneration*, **2005**, 13, 269-77	3.6	15
87	Burned Adults Develop Profound Glucose Intolerance. *Critical Care Medicine*, **2016**, 44, 1059-66	1.4	15
86	Hepatic steatosis associated with decreased □xidation and mitochondrial function contributes to cell damage in obese mice after thermal injury. *Cell Death and Disease*, **2018**, 9, 530	9.8	14
85	Reliable scar scoring system to assess photographs of burn patients. *Journal of Surgical Research*, **2015**, 199, 688-97	2.5	14
84	The accuracy of burn diagnosis codes in health administrative data: A validation study. *Burns*, **2017**, 43, 258-264	2.3	13
83	NLRP3 inflammasome mediates white adipose tissue browning after burn. *American Journal of Physiology - Endocrinology and Metabolism*, **2019**, 317, E751-E759	6	13
82	Hepatic mitochondrial bioenergetics in aged C57BL/6 mice exhibit delayed recovery from severe burn injury. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2017**, 1863, 2705-2714	6.9	13

81	Treatment of toxic epidermal necrolysis in North America. *Journal of the American Academy of Dermatology*, **2015**, 73, 876-7.e2	4.5	12
80	Metformin adapts its cellular effects to bioenergetic status in a model of metabolic dysfunction. *Scientific Reports*, **2018**, 8, 5646	4.9	12
79	Contributors to the length-of-stay trajectory in burn-injured patients. *Burns*, **2018**, 44, 2011-2017	2.3	12
78	Effects of metformin on burn-induced hepatic endoplasmic reticulum stress in male rats. *Molecular Medicine*, **2013**, 19, 1-6	6.2	12
77	Septic predictor index: A novel platform to identify thermally injured patients susceptible to sepsis. *Surgery*, **2018**, 163, 409-414	3.6	12
76	The influence of substance misuse on clinical outcomes following burn. *Burns*, **2017**, 43, 1493-1498	2.3	11
75	Management and prevention of drug resistant infections in burn patients. *Expert Review of Anti-Infective Therapy*, **2019**, 17, 607-619	5.5	11
74	A RandomizEd trial of ENtERal Glutamine to minimIZE thermal injury (The RE-ENERGIZE Trial): a clinical trial protocol. *Scars, Burns & Healing*, **2017**, 3, 2059513117745241	2.2	11
73	Measurement of skin protein breakdown in a rat model. *American Journal of Physiology - Endocrinology and Metabolism*, **2000**, 279, E900-6	6	11
72	Wound Coverage Technologies in Burn Care: Established Techniques. *Journal of Burn Care and Research*, **2018**, 39, 313-318	0.8	11
71	Metformin alleviates muscle wasting post-thermal injury by increasing Pax7-positive muscle progenitor cells. *Stem Cell Research and Therapy*, **2020**, 11, 18	8.3	11
70	5-HT1A Receptor Function Makes Wound Healing a Happier Process. *Frontiers in Pharmacology*, **2018**, 9, 1406	5.6	11
69	Burn center care reduces acute health care utilization after discharge: A population-based analysis of 1,895 survivors of major burn injury. *Surgery*, **2017**, 162, 891-900	3.6	10
68	Hepatic apoptosis postburn is mediated by c-Jun N-terminal kinase 2. *Shock*, **2013**, 39, 183-8	3.4	10
67	A prospective study evaluating tobramycin pharmacokinetics and optimal once daily dosing in burn patients. *Burns*, **2017**, 43, 1766-1774	2.3	9
66	Acute Phase Response in Critically Ill Elderly Burn Patients. *Critical Care Medicine*, **2019**, 47, 201-209	1.4	9
65	State of the Science Burn Research: Burns in the Elderly. *Journal of Burn Care and Research*, **2020**, 41, 65-83	0.8	9
64	Are we headed for a shortage of burn care providers in Canada?. *Burns*, **2018**, 44, 1000-1004	2.3	8

63	Dermal regenerative matrix use in burn patients: A systematic review. *Journal of Plastic, Reconstructive and Aesthetic Surgery*, **2019**, 72, 1741-1751	1.7	8
62	Inhibition of Lipolysis With Acipimox Attenuates Postburn White Adipose Tissue Browning and Hepatic Fat Infiltration. *Shock*, **2020**, 53, 137-145	3.4	8
61	Properties of an ideal burn dressing: A survey of burn survivors and front-line burn healthcare providers. *Burns*, **2019**, 45, 364-368	2.3	8
60	Acute and long-term clinical, neuropsychological and return-to-work sequelae following electrical injury: a retrospective cohort study. *BMJ Open*, **2019**, 9, e025990	3	7
59	The response of muscle progenitor cells to cutaneous thermal injury. *Stem Cell Research and Therapy*, **2017**, 8, 234	8.3	7
58	Aggregated and Hyperstable Damage-Associated Molecular Patterns Are Released During ER Stress to Modulate Immune Function. *Frontiers in Cell and Developmental Biology*, **2019**, 7, 198	5.7	7
57	XBP-1s is linked to suppressed gluconeogenesis in the Ebb phase of burn injury. *Molecular Medicine*, **2013**, 19, 72-8	6.2	7
56	Skin regeneration is accelerated by a lower dose of multipotent mesenchymal stromal/stem cells-a paradigm change. *Stem Cell Research and Therapy*, **2021**, 12, 82	8.3	7
55	The Cost of Burn Transfers: A Retrospective Review of 7 Years of Admissions to a Regional Burn Center. *Journal of Burn Care and Research*, **2018**, 39, 229-234	0.8	6
54	Oxandrolone in the Treatment of Burn Injuries: A Systematic Review and Meta-analysis. *Journal of Burn Care and Research*, **2020**, 41, 190-199	0.8	6
53	IDH1 regulates phospholipid metabolism in developing astrocytes. *Neuroscience Letters*, **2014**, 582, 87-92	3.3	6
52	Therapeutic Approaches to Combatting Hypermetabolism in Severe Burn Injuries. *Journal of Intensive and Critical Care*, **2015**, 01,	3	6
51	The hydrogen sulfide donor IK-1001 stimulates neovascularization and improves wound healing. *FASEB Journal*, **2008**, 22, 912.42	0.9	6
50	Catecholamines Induce Endoplasmic Reticulum Stress Via Both Alpha and Beta Receptors. *Shock*, **2020**, 53, 476-484	3.4	6
49	Activation of ER stress signalling increases mortality after a major trauma. *Journal of Cellular and Molecular Medicine*, **2020**, 24, 9764-9773	5.6	6
48	Adipose-specific ATGL ablation reduces burn injury-induced metabolic derangements in mice. *Clinical and Translational Medicine*, **2021**, 11, e417	5.7	6
47	Morbidity and mortality in severely burned children with Clostridium difficile-associated diarrhea. *Surgery*, **2016**, 159, 1631-1637	3.6	6
46	The effect of diabetes on burn patients: a retrospective cohort study. *Critical Care*, **2019**, 23, 28	10.8	5

45	Anabolic and anticatabolic agents used in burn care: What is known and what is yet to be learned. *Burns*, **2020**, 46, 19-32	2.3	5
44	Beyond mitochondria: Alternative energy-producing pathways from all strata of life. *Metabolism: Clinical and Experimental*, **2021**, 118, 154733	12.7	5
43	NLRP3 Inflammasome in Inflammation and Metabolism: Identifying Novel Roles in Postburn Adipose Dysfunction. *Endocrinology*, **2020**, 161,	4.8	4
42	Toxic Epidermal Necrolysis Spectrum Management at Sunnybrook Health Sciences Centre: Our Multidisciplinary Approach After Review of the Current Evidence. *Journal of Cutaneous Medicine and Surgery*, **2018**, 22, 213-219	1.6	4
41	Adipose Tissue Metabolic Function and Dysfunction: Impact of Burn Injury. *Frontiers in Cell and Developmental Biology*, **2020**, 8, 599576	5.7	4
40	Thermal Stress Induces Long-Term Remodeling of Adipose Tissue and Is Associated with Systemic Dysfunction. *Shock*, **2021**, 56, 744-754	3.4	4
39	"Hold the Pendulum: Rates of Acute Kidney Injury Are Increased in Patients Who Receive Resuscitation Volumes Less Than Predicted by the Parkland Equation". *Annals of Surgery*, **2017**, 266, e108	7.8	3
38	Examining the contribution of surrounding intact skin during cutaneous healing. *Journal of Anatomy*, **2019**, 234, 523-531	2.9	3
37	Sepsis Definitions in Burns. *Surgical Infections*, **2021**, 22, 28-36	2	3
36	Scientific Impact and Clinical Influence: Identifying Landmark Studies in Burns. *Journal of Burn Care and Research*, **2020**, 41, 1240-1252	0.8	2
35	NLRP3 knockout enhances immune infiltration and inflammatory responses and improves survival in a burn sepsis model. *Immunology*, **2021**,	7.8	2
34	Burn-induced hypermetabolism and skeletal muscle dysfunction. *American Journal of Physiology - Cell Physiology*, **2021**, 321, C58-C71	5.4	2
33	Genome-wide comparisons of gene expression in adult versus elderly burn patients. *PLoS ONE*, **2019**, 14, e0226425	3.7	2
32	Retrospective Study of Patients With SJS/TEN Treated at a Tertiary Burn Unit in Canada: Overview of 17 Years of Treatment. *Journal of Cutaneous Medicine and Surgery*, **2021**, 25, 271-280	1.6	2
31	Biological characteristics of stem cells derived from burned skin-a comparative study with umbilical cord stem cells. *Stem Cell Research and Therapy*, **2021**, 12, 137	8.3	2
30	Adipose browning response to burn trauma is impaired with aging. *JCI Insight*, **2021**, 6,	9.9	2
29	Stem Cell Therapy for Burns: Story so Far. *Biologics: Targets and Therapy*, **2021**, 15, 379-397	4.4	2
28	Patient With Scald Burn of the Esophagus. *Journal of Burn Care and Research*, **2018**, 39, 468-470	0.8	1

27	Current State of Selected Wound Regeneration Templates and Temporary Covers. *Current Trauma Reports*, **2019**, 5, 79-89	0.5	1
26	Burns in the Elderly: Potential Role of Stem Cells. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	1
25	Unusual Relationship: Do Organs Talk to Each Other?. *Critical Care Medicine*, **2016**, 44, 1950-1	1.4	1
24	The development of a treatment pathway for dermal regenerative matrix (DRM). *Burns*, **2018**, 44, 1767-1774	2.7	1
23	Increased proliferation of hepatic periportal ductal progenitor cells contributes to persistent hypermetabolism after trauma. *Journal of Cellular and Molecular Medicine*, **2020**, 24, 1578-1587	5.6	1
22	Development and validation of a screening tool for early identification of bloodstream infection in acute burn injury patients. *Surgery*, **2021**, 170, 525-531	3.6	1
21	Interleukin-6 blockade, a potential adjunct therapy for post-burn hypermetabolism. *FASEB Journal*, **2021**, 35, e21596	0.9	1
20	Contemporary Aspects of Burn Care. *Medicina (Lithuania)*, **2021**, 57,	3.1	1
19	The Impact of Introducing a Physical Medicine and Rehabilitation Consultation Service to an Academic Burn Center. *Journal of Burn Care and Research*, **2019**, 40, 648-651	0.8	0
18	Serum amlyoid A: An inflammatory adipokine mediating postburn outcomes. *Clinical and Translational Medicine*, **2021**, 11, e412	5.7	0
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