David N Herndon

List of Publications by Year
in descending order

217 papers	11,368 citations	29994 54 h-index	32761 100 g-index
217 all docs	217 docs citations	217 times ranked	6832 citing authors

#	Article	IF	Citations
1	Reversal of Catabolism by Beta-Blockade after Severe Burns. New England Journal of Medicine, 2001, 345, 1223-1229.	13.9	626
2	Pathophysiologic Response to Severe Burn Injury. Annals of Surgery, 2008, 248, 387-401.	2.1	510
3	Long-Term Persistance of the Pathophysiologic Response to Severe Burn Injury. PLoS ONE, 2011, 6, e21245.	1.1	487
4	Support of the metabolic response to burn injury. Lancet, The, 2004, 363, 1895-1902.	6.3	475
5	Hypertrophic scarring: the greatest unmet challenge after burn injury. Lancet, The, 2016, 388, 1427-1436.	6.3	415
6	Browning of Subcutaneous White Adipose Tissue in Humans after Severe Adrenergic Stress. Cell Metabolism, 2015, 22, 219-227.	7.2	331
7	Determinants of Skeletal Muscle Catabolism After Severe Burn. Annals of Surgery, 2000, 232, 455-465.	2.1	301
8	Mortality Determinants in Massive Pediatric Burns. Annals of Surgery, 1997, 225, 554-569.	2.1	301
9	Anabolic Effects of Oxandrolone After Severe Burn. Annals of Surgery, 2001, 233, 556-564.	2.1	240
10	The metabolic stress response to burn trauma: current understanding and therapies. Lancet, The, 2016, 388, 1417-1426.	6.3	224
11	Effects of a 12-wk resistance exercise program on skeletal muscle strength in children with burn injuries. Journal of Applied Physiology, 2001, 91, 1168-1175.	1.2	185
12	Energy Expenditure and Caloric Balance After Burn. Annals of Surgery, 2002, 235, 152-161.	2.1	183
13	Longitudinal assessment of Integra in primary burn management: A randomized pediatric clinical trial*. Critical Care Medicine, 2007, 35, 2615-2623.	0.4	176
14	Post burn muscle wasting and the effects of treatments. International Journal of Biochemistry and Cell Biology, 2005, 37, 1948-1961.	1.2	174
15	Temporal Cytokine Profiles in Severely Burned Patients: A Comparison of Adults and Children. Molecular Medicine, 2008, 14, 553-560.	1.9	155
16	Effects of Early Excision and Aggressive Enteral Feeding on Hypermetabolism, Catabolism, and Sepsis after Severe Burn. Journal of Trauma, 2003, 54, 755-764.	2.3	153
17	The Effect of Oxandrolone on the Endocrinologic, Inflammatory, and Hypermetabolic Responses During the Acute Phase Postburn. Annals of Surgery, 2007, 246, 351-362.	2.1	152
18	Morbidity and Survival Probability in Burn Patients in Modern Burn Care*. Critical Care Medicine, 2015, 43, 808-815.	0.4	152

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19	Inverse Regulation of Protein Turnover and Amino Acid Transport in Skeletal Muscle of Hypercatabolic Patients. Journal of Clinical Endocrinology and Metabolism, 2002, 87, 3378-3384.	1.8	142
20	Long-term reduction in bone mass after severe burn injury in children. Journal of Pediatrics, 1995, 126, 252-256.	0.9	141
21	Human mesenchymal stem cells reduce the severity of acute lung injury in a sheep model of bacterial pneumonia. Thorax, 2014, 69, 819-825.	2.7	133
22	Influence of demographics and inhalation injury on burn mortality in children. Burns, 2004, 30, 72-77.	1.1	123
23	Treatment of heterotopic ossification through remote ATP hydrolysis. Science Translational Medicine, 2014, 6, 255ra132.	5.8	119
24	The Effects of Oxandrolone and Exercise on Muscle Mass and Function in Children With Severe Burns. Pediatrics, 2007, 119, e109-e116.	1.0	114
25	Efficacy of a high-carbohydrate diet in catabolic illness. Critical Care Medicine, 2001, 29, 1318-1324.	0.4	113
26	Five-Year Outcomes after Oxandrolone Administration in Severely Burned Children: A Randomized Clinical Trial of Safety and Efficacy. Journal of the American College of Surgeons, 2012, 214, 489-502.	0.2	111
27	Determinants of Mortality in Pediatric Patients with Greater than 70% Full-thickness Total Body Surface Area Thermal Injury Treated by Early Total Excision and Grafting. Journal of Trauma, 1987, 27, 208-212.	2.3	107
28	Altered cytokine production in black patients with keloids. Journal of Clinical Immunology, 1992, 12, 300-308.	2.0	105
29	Effects of long-term oxandrolone administration in severely burned children. Surgery, 2004, 136, 219-224.	1.0	103
30	Bone disease in burn patients. Journal of Bone and Mineral Research, 1993, 8, 337-345.	3.1	101
31	Metabolic and Hormonal Changes of Severely Burned Children Receiving Long-Term Oxandrolone Treatment. Annals of Surgery, 2005, 242, 384-391.	2.1	100
32	Improved Net Protein Balance, Lean Mass, and Gene Expression Changes With Oxandrolone Treatment in the Severely Burned. Annals of Surgery, 2003, 237, 801-811.	2.1	98
33	Pruritus in Adult Burn Survivors. Journal of Burn Care and Research, 2013, 34, 94-101.	0.2	98
34	Synthesis of vitamin D in skin after burns. Lancet, The, 2004, 363, 291-292.	6.3	95
35	Burns in children: standard and new treatments. Lancet, The, 2014, 383, 1168-1178.	6.3	95
36	Human and Mouse Brown Adipose Tissue Mitochondria Have Comparable UCP1 Function. Cell Metabolism, 2016, 24, 246-255.	7.2	93

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37	The National Institute on Disability and Rehabilitation Research Burn Model System Database: A Tool for the Multicenter Study of the Outcome of Burn Injury. Journal of Burn Care and Research, 2007, 28, 84-96.	0.2	91
38	Dysregulation of calcium homeostasis after severe burn injury in children: Possible role of magnesium depletion. Journal of Pediatrics, 1997, 131, 246-251.	0.9	90
39	Pathophysiology, research challenges, and clinical management of smoke inhalation injury. Lancet, The, 2016, 388, 1437-1446.	6.3	88
40	Evidence supporting a role of glucocorticoids in short-term bone loss in burned children. Osteoporosis International, 2004, 15, 468-74.	1.3	84
41	Calcium and ER stress mediate hepatic apoptosis after burn injury. Journal of Cellular and Molecular Medicine, 2009, 13, 1857-1865.	1.6	84
42	Randomized Controlled Trial to Determine the Efficacy of Long-Term Growth Hormone Treatment in Severely Burned Children. Annals of Surgery, 2009, 250, 514-523.	2.1	82
43	Growth factors accelerate epithelial repair in sheep trachea. Lung, 1993, 171, 335-344.	1.4	76
44	Effect of Exercise Training on Pulmonary Function in Children With Thermal Injury. Journal of Burn Care and Research, 2002, 23, 288-293.	1.7	76
45	Î²-Blockade and Growth Hormone After Burn. Annals of Surgery, 2002, 236, 450-457.	2.1	76
46	Impaired zinc and copper status in children with burn injuries: Need to reassess nutritional requirements. Burns, 2005, 31, 711-716.	1.1	75
47	Predicting and managing sepsis in burn patients: current perspectives. Therapeutics and Clinical Risk Management, 2017, Volume 13, 1107-1117.	0.9	72
48	The Role of Exercise in the Rehabilitation of Patients with Severe Burns. Exercise and Sport Sciences Reviews, 2015, 43, 34-40.	1.6	68
49	Urea and protein metabolism in burned children: Effect of dietary protein intake. Metabolism: Clinical and Experimental, 1997, 46, 573-578.	1.5	66
50	Calcium and ER stress mediate hepatic apoptosis after burn injury. Journal of Cellular and Molecular Medicine, 2009, 13, 1857-1865.	1.6	64
51	Propranolol attenuates hemorrhage and accelerates wound healing in severely burned adults. Critical Care, 2015, 19, 217.	2.5	63
52	The impact of severe burns on skeletal muscle mitochondrial function. Burns, 2013, 39, 1039-1047.	1.1	61
53	Pamidronate preserves bone mass for at least 2 years following acute administration for pediatric burn injury. Bone, 2007, 41, 297-302.	1.4	59
54	Optimized fluid management improves outcomes of pediatric burn patients. Journal of Surgical Research, 2013, 181, 121-128.	0.8	58

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55	Risk factors for the development of heterotopic ossification in seriously burned adults. Journal of Trauma and Acute Care Surgery, 2015, 79, 870-876.	1.1	54
56	Effects of pharmacological interventions on muscle protein synthesis and breakdown in recovery from burns. Burns, 2015, 41, 649-657.	1.1	54
57	Contemporary Burn Survival. Journal of the American College of Surgeons, 2018, 226, 453-463.	0.2	54
58	Cardiovascular Dysfunction Following Burn Injury: What We Have Learned from Rat and Mouse Models. International Journal of Molecular Sciences, 2016, 17, 53.	1.8	53
59	The National Institute on Disability, Independent Living, and Rehabilitation Research Burn Model System. Journal of Burn Care and Research, 2017, 38, e240-e253.	0.2	53
60	Altering metabolism. Journal of Burn Care and Research, 2005, 26, 194-9.	1.7	52
61	Uncoupled skeletal muscle mitochondria contribute to hypermetabolism in severely burned adults. American Journal of Physiology - Endocrinology and Metabolism, 2014, 307, E462-E467.	1.8	49
62	Skeletal Muscle Protein Breakdown Remains Elevated in Pediatric Burn Survivors up to One-Year Post-Injury. Shock, 2015, 44, 397-401.	1.0	49
63	INTERFERON-?? PRODUCTION IS SUPPRESSED IN THERMALLY INJURED MICE: DECREASED PRODUCTION OF REGULATORY CYTOKINES AND CORRESPONDING RECEPTORS. Shock, 2002, 18, 322-330.	1.0	48
64	Standard multivitamin supplementation does not improve vitamin D insufficiency after burns. Journal of Bone and Mineral Metabolism, 2009, 27, 502-506.	1.3	47
65	FIVE-YEAR OUTCOMES AFTER LONG-TERM OXANDROLONE ADMINISTRATION IN SEVERELY BURNED CHILDREN. Shock, 2016, 45, 367-374.	1.0	46
66	High Tidal Volume Decreases Adult Respiratory Distress Syndrome, Atelectasis, and Ventilator Days Compared with Low Tidal Volume in Pediatric Burned Patients with Inhalation Injury. Journal of the American College of Surgeons, 2015, 220, 570-578.	0.2	45
67	Biodistribution and Feasibility of Non-Viral IGF-I Gene Transfers in Thermally Injured Skin. Laboratory Investigation, 2000, 80, 151-158.	1.7	42
68	Effects of Propranolol and Exercise Training in Children with Severe Burns. Journal of Pediatrics, 2013, 162, 799-803.e1.	0.9	42
69	Metabolic and Endocrine Considerations After Burn Injury. Clinics in Plastic Surgery, 2017, 44, 541-553.	0.7	42
70	Satellite cell activation and apoptosis in skeletal muscle from severely burned children. Journal of Physiology, 2016, 594, 5223-5236.	1.3	41
71	Gene expression profiles and protein balance in skeletal muscle of burned children after Î²-adrenergic blockade. American Journal of Physiology - Endocrinology and Metabolism, 2003, 285, E783-E789.	1.8	40
72	Coordinate activities of BRD4 and CDK9 in the transcriptional elongation complex are required for TGFÎ²-induced Nox4 expression and myofibroblast transdifferentiation. Cell Death and Disease, 2017, 8, e2606-e2606.	2.7	40

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73	Reversal of Growth Arrest With the Combined Administration of Oxandrolone and Propranolol in Severely Burned Children. Annals of Surgery, 2016, 264, 421-428.	2.1	39
74	Long-Term Skeletal Muscle Mitochondrial Dysfunction is Associated with Hypermetabolism in Severely Burned Children. Journal of Burn Care and Research, 2016, 37, 53-63.	0.2	39
75	Quantification of Protein Metabolism in Vivo for Skin, Wound, and Muscle in Severe Burn Patients. Journal of Parenteral and Enteral Nutrition, 2006, 30, 331-338.	1.3	38
76	Severe Burn Injury Induces Thermogenically Functional Mitochondria in Murine White Adipose Tissue. Shock, 2015, 44, 258-264.	1.0	38
77	Whole body and skeletal muscle protein turnover in recovery from burns. International Journal of Burns and Trauma, 2013, 3, 9-17.	0.2	38
78	Does Inhalation Injury Limit Exercise Endurance in Children Convalescing from Thermal Injury?. Journal of Burn Care and Research, 1993, 14, 12-16.	1.7	37
79	Human mitochondrial oxidative capacity is acutely impaired after burn trauma. American Journal of Surgery, 2008, 196, 234-239.	0.9	37
80	BurnCase 3D software validation study: Burn size measurement accuracy and inter-rater reliability. Burns, 2016, 42, 329-335.	1.1	37
81	Assessment of muscle function in severely burned children. Burns, 2008, 34, 452-459.	1.1	36
82	Effects of a hospital based Wellness and Exercise program on quality of life of children with severe burns. Burns, 2013, 39, 599-609.	1.1	36
83	Hypermetabolism and hypercatabolism of skeletal muscle accompany mitochondrial stress following severe burn trauma. American Journal of Physiology - Endocrinology and Metabolism, 2016, 311, E436-E448.	1.8	36
84	Stimulation of Hematopoiesis by the Fms-Like Tyrosine Kinase 3 Ligand Restores Bacterial Induction of Th1 Cytokines in Thermally Injured Mice. Infection and Immunity, 2003, 71, 3058-3067.	1.0	35
85	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, 645-653.	1.0	35
86	Impact of Stress-Induced Diabetes on Outcomes in Severely Burned Children. Journal of the American College of Surgeons, 2014, 218, 783-795.	0.2	33
87	Orosomucoid 1 drives opportunistic infections through the polarization of monocytes to the M2b phenotype. Cytokine, 2015, 73, 8-15.	1.4	32
88	Long-term effect of critical illness after severe paediatric burn injury on cardiac function in adolescent survivors: an observational study. The Lancet Child and Adolescent Health, 2017, 1, 293-301.	2.7	32
89	Co-administration of vancomycin and piperacillin-tazobactam is associated with increased renal dysfunction in adult and pediatric burn patients. Critical Care, 2017, 21, 318.	2.5	30
90	Propranolol and Oxandrolone Therapy Accelerated Muscle Recovery in Burned Children. Medicine and Science in Sports and Exercise, 2018, 50, 427-435.	0.2	29

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91	Validation of the Community Integration Questionnaire in the adult burn injury population. Quality of Life Research, 2015, 24, 2651-2655.	1.5	28
92	Effects of community-based exercise in children with severe burns: A randomized trial. Burns, 2016, 42, 41-47.	1.1	27
93	The clinically used PARP inhibitor olaparib improves organ function, suppresses inflammatory responses and accelerates wound healing in a murine model of thirdâ€degree burn injury. British Journal of Pharmacology, 2018, 175, 232-245.	2.7	27
94	Reasons for Distress Among Burn Survivors at 6, 12, and 24 Months Postdischarge: A Burn Injury Model System Investigation. Archives of Physical Medicine and Rehabilitation, 2018, 99, 1311-1317.	0.5	26
95	Reduced Postburn Hypertrophic Scarring and Improved Physical Recovery With Yearlong Administration of Oxandrolone and Propranolol. Annals of Surgery, 2018, 268, 431-441.	2.1	26
96	Comparison of Gene Expression by Sheep and Human Blood Stimulated with the TLR4 Agonists Lipopolysaccharide and Monophosphoryl Lipid A. PLoS ONE, 2015, 10, e0144345.	1.1	26
97	The Effect of Ketoconazole on Post-Burn Inflammation, Hypermetabolism and Clinical Outcomes. PLoS ONE, 2012, 7, e35465.	1.1	24
98	Upregulation and Mitochondrial Sequestration of Hemoglobin Occur in Circulating Leukocytes during Critical Illness, Conferring a Cytoprotective Phenotype. Molecular Medicine, 2015, 21, 666-675.	1.9	24
99	Effects of different duration exercise programs in children with severe burns. Burns, 2017, 43, 796-803.	1.1	24
100	Measurement of Body Composition in Burned Children: Is There a Gold Standard?. Journal of Parenteral and Enteral Nutrition, 2010, 34, 55-63.	1.3	23
101	Long-term effects of physical exercise during rehabilitation in patients with severe burns. Surgery, 2016, 160, 781-788.	1.0	23
102	Contemporary Methods Allowing for Safe and Convenient Use of Amniotic Membrane as a Biologic Wound Dressing for Burns. Annals of Plastic Surgery, 2017, 78, S9-S10.	0.5	23
103	Characterization of Adipose-Derived Stem Cells Following Burn Injury. Stem Cell Reviews and Reports, 2017, 13, 781-792.	5.6	23
104	National Institute on Disability, Independent Living, and Rehabilitation Research Burn Model System: Review of Program and Database. Archives of Physical Medicine and Rehabilitation, 2020, 101, S5-S15.	0.5	23
105	Topically applied metal chelator reduces thermal injury progression in a rat model of brass comb burn. Burns, 2015, 41, 1775-1787.	1.1	22
106	Oxandrolone protects against the development of multiorgan failure, modulates the systemic inflammatory response and promotes wound healing during burn injury. Burns, 2019, 45, 671-681.	1.1	22
107	Two-year follow-up of outcomes related to scarring and distress in children with severe burns. Disability and Rehabilitation, 2017, 39, 1639-1643.	0.9	21
108	Trends 10 years after burn injury: A Burn Model System National Database study. Burns, 2018, 44, 1882-1886.	1.1	21

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109	A thermal injury-induced circulating factor(s) compromises intestinal cell morphology, proliferation, and migration. American Journal of Physiology - Renal Physiology, 1999, 277, G175-G182.	1.6	20
110	Amino acid infusion fails to stimulate skeletal muscle protein synthesis up to 1 year after injury in children with severe burns. Journal of Trauma and Acute Care Surgery, 2013, 74, 1480-1485.	1.1	20
111	On the Horizon. Surgical Clinics of North America, 2014, 94, 917-930.	0.5	20
112	Comparison of long-term quality of life of pediatric burn survivors with and without inhalation injury. Burns, 2015, 41, 721-726.	1.1	20
113	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-E285.	1.3	20
114	Quantifying Contracture Severity at Hospital Discharge in Adults: A Burn Model System National Database Study. Journal of Burn Care and Research, 2018, 39, 604-611.	0.2	20
115	Adipose-derived stem cells improve grafted burn wound healing by promoting wound bed blood flow. Burns and Trauma, 2020, 8, tkaa009.	2.3	20
116	Skeletal Muscle Is Anabolically Unresponsive to an Amino Acid Infusion in Pediatric Burn Patients 6 Months Postinjury. Annals of Surgery, 2011, 253, 592-597.	2.1	18
117	Adipose-derived stem cells attenuate pulmonary microvascular hyperpermeability after smoke inhalation. PLoS ONE, 2017, 12, e0185937.	1.1	18
118	Cord Blood-Derived Hematopoietic Stem/Progenitor Cells: Current Challenges in Engraftment, Infection, andEx VivoExpansion. Stem Cells International, 2011, 2011, 1-8.	1.2	17
119	Bacterial respiratory tract infections are promoted by systemic hyperglycemia after severe burn injury in pediatric patients. Burns, 2014, 40, 428-435.	1.1	17
120	Predictors of muscle protein synthesis after severe pediatric burns. Journal of Trauma and Acute Care Surgery, 2015, 78, 816-822.	1.1	17
121	Differential acute and chronic effects of burn trauma on murine skeletal muscle bioenergetics. Burns, 2016, 42, 112-122.	1.1	17
122	The epidemiology of burns in young children from Mexico treated at a U.S. hospital. Burns, 2016, 42, 1825-1830.	1.1	16
123	Effects of whole-body vibration exercise on bone mineral content and density in thermally injured children. Burns, 2016, 42, 605-613.	1.1	16
124	Body Composition Changes in Severely Burned Children During ICU Hospitalization*. Pediatric Critical Care Medicine, 2017, 18, e598-e605.	0.2	16
125	Burn Trauma Acutely Increases the Respiratory Capacity and Function of Liver Mitochondria. Shock, 2018, 49, 466-473.	1.0	16
126	Cardiorespiratory Capacity and Strength Remain Attenuated in Children with Severe Burn Injuries at Over 3 Years Postburn. Journal of Pediatrics, 2018, 192, 152-158.	0.9	16

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127	The Presence of Scarring and Associated Morbidity in the Burn Model System National Database. Annals of Plastic Surgery, 2019, 82, S162-S168.	0.5	16
128	Impact of Burn-Related Amputations on Return to Work: Findings From the Burn Injury Model System National Database. Journal of Burn Care and Research, 2019, 40, 21-28.	0.2	16
129	Measurement of skin protein breakdown in a rat model. American Journal of Physiology - Endocrinology and Metabolism, 2000, 279, E900-E906.	1.8	15
130	Genomic analysis of insulin-like growth factor-I gene transfer in thermally injured rats. Wound Repair and Regeneration, 2004, 12, 217-224.	1.5	15
131	The effect of burn on serum concentrations of sclerostin and FGF23. Burns, 2015, 41, 1532-1535.	1.1	15
132	High-resolution episcopic microscopy (HREM): A useful technique for research in wound care. Annals of Anatomy, 2015, 197, 3-10.	1.0	15
133	Poverty, population density, and the epidemiology of burns in young children from Mexico treated at a U.S. pediatric burn facility. Burns, 2018, 44, 1269-1278.	1.1	15
134	Global Surgery: Effective Involvement of US Academic Surgery. Annals of Surgery, 2018, 268, 557-563.	2.1	15
135	The effect of lower body burns on physical function. Burns, 2015, 41, 1653-1659.	1.1	14
136	Inducible satellite cell depletion attenuates skeletal muscle regrowth following a scaldâ€burn injury. Journal of Physiology, 2017, 595, 6687-6701.	1.3	14
137	Î²-Adrenergic Receptor Trafficking, Degradation, and Cell Surface Expression Are Altered in Dermal Fibroblasts from Hypertrophic Scars. Journal of Investigative Dermatology, 2018, 138, 1645-1655.	0.3	14
138	Surgical anatomy of ovine facial and hypoglossal nerves for facial nerve reconstruction and regeneration research: An experimental study in sheep. Microsurgery, 2020, 40, 51-58.	0.6	13
139	Propranolol Reduces Cardiac Index But does not Adversely Affect Peripheral Perfusion in Severely Burned Children. Shock, 2016, 46, 486-491.	1.0	12
140	Long-Term Administration of Oxandrolone Improves Lung Function in Pediatric Burned Patients. Journal of Burn Care and Research, 2016, 37, 273-277.	0.2	12
141	Postacute Care Setting Is Associated With Employment After Burn Injury. Archives of Physical Medicine and Rehabilitation, 2019, 100, 2015-2021.	0.5	12
142	Pulmonary histopathologic abnormalities and predictor variables in autopsies of burned pediatric patients. Burns, 2015, 41, 519-527.	1.1	11
143	Immediate and long-term psychological problems for survivors of severe pediatric electrical injury. Burns, 2015, 41, 1823-1830.	1.1	11
144	The occurrence of single and multiple organ dysfunction in pediatric electrical versus other thermal burns. Journal of Trauma and Acute Care Surgery, 2017, 82, 946-951.	1.1	11

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145	Fatigue Following Burn Injury. Journal of Burn Care and Research, 2017, 39, 1.	0.2	11
146	Correlation between invasive and noninvasive blood pressure measurements in severely burned children. Burns, 2018, 44, 1787-1791.	1.1	10
147	Modulation of Peroxynitrite Reduces Norepinephrine Requirements in Ovine MRSA Septic Shock. Shock, 2019, 52, e92-e99.	1.0	10
148	Effects of Community-Based Exercise in Adults With Severe Burns: A Randomized Controlled Trial. Archives of Physical Medicine and Rehabilitation, 2020, 101, S36-S41.	0.5	10
149	Contracture Severity at Hospital Discharge in Children: A Burn Model System Database Study. Journal of Burn Care and Research, 2021, 42, 425-433.	0.2	10
150	Effect of insulin-like growth factor 1 on host response to tumor. Journal of Surgical Oncology, 1993, 53, 121-127.	0.8	9
151	Integrity of airway epithelium in pediatric burn autopsies: Association with age and extent of burn injury. Burns, 2015, 41, 1435-1441.	1.1	9
152	Management of Acute Pediatric Hand Burns. Hand Clinics, 2017, 33, 237-242.	0.4	9
153	Determinants of skeletal muscle protein turnover following severe burn trauma in children. Clinical Nutrition, 2019, 38, 1348-1354.	2.3	9
154	The Influence of Obesity on Treatment and Outcome of Severely Burned Patients. Journal of Burn Care and Research, 2019, 40, 996-1008.	0.2	9
155	Diarrhea in Severely Burned Children. Journal of Parenteral and Enteral Nutrition, 2005, 29, 8-11.	1.3	8
156	Prediction of maximal aerobic capacity in severely burned children. Burns, 2011, 37, 682-686.	1.1	8
157	The Role of Mitochondrial Stress in Muscle Wasting Following Severe Burn Trauma. Journal of Burn Care and Research, 2017, 39, 1.	0.2	8
158	Buprenorphine-Sustained Release Alters Hemodynamic Parameters in a Rat Burn Model. Journal of Surgical Research, 2018, 232, 154-159.	0.8	8
159	Sepsis Increases Muscle Proteolysis in Severely Burned Adults, but Does not Impact Whole-Body Lipid or Carbohydrate Kinetics. Shock, 2019, 52, 353-361.	1.0	8
160	Metal chelation reduces skin epithelial inflammation and rescues epithelial cells from toxicity due to thermal injury in a rat model. Burns and Trauma, 2020, 8, tkaa024.	2.3	8
161	Metal chelation attenuates oxidative stress, inflammation, and vertical burn progression in a porcine brass comb burn model. Redox Biology, 2021, 45, 102034.	3.9	8
162	Triglycerides produced in the livers of fasting rabbits are predominantly stored as opposed to secreted into the plasma. Metabolism: Clinical and Experimental, 2015, 64, 580-587.	1.5	7

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163	The P50 Research Center in Perioperative Sciences. Journal of Trauma and Acute Care Surgery, 2017, 83, 532-542.	1.1	7
164	Propranolol kinetics in plasma from severely burned adults. Burns, 2017, 43, 1168-1174.	1.1	7
165	Quantification of an Exercise Rehabilitation Program for Severely Burned Children: The Standard of Care at Shriners Hospitals for ChildrenÂ®â€"Galveston. Journal of Burn Care and Research, 2018, 39, 889-896.	0.2	7
166	Biventricular differences in Î²-adrenergic receptor signaling following burn injury. PLoS ONE, 2017, 12, e0189527.	1.1	7
167	Influence of inhalation injury on energy expenditure in severely burned children. Burns, 2014, 40, 1487-1491.	1.1	6
168	Morbidity and mortality in severely burned children with Clostridium difficile-associated diarrhea. Surgery, 2016, 159, 1631-1637.	1.0	6
169	Î²â€Adrenergic blockade does not impair the skin blood flow sensitivity to local heating in burned and nonburned skin under neutral and hot environments in children. Microcirculation, 2017, 24, e12350.	1.0	6
170	Bone metabolism in pediatric burned patients: A review. Burns, 2018, 44, 1863-1869.	1.1	6
171	Surgical anatomy of the ovine sural nerve for facial nerve regeneration and reconstruction research. Scientific Reports, 2019, 9, 10564.	1.6	6
172	A Comparison of Contracture Severity at Acute Discharge in Patients With and Without Heterotopic Ossification: A Burn Model System National Database Study. Journal of Burn Care and Research, 2019, 40, 349-354.	0.2	6
173	Challenges to the Standardization of Trauma Data Collection in Burn, Traumatic Brain Injury, Spinal Cord Injury, and Other Trauma Populations: A Call for Common Data Elements for Acute and Longitudinal Trauma Databases. Archives of Physical Medicine and Rehabilitation, 2019, 100, 891-898.	0.5	6
174	Relationship between lean body mass and isokinetic peak torque of knee extensors and flexors in severely burned children. Burns, 2019, 45, 114-119.	1.1	6
175	Peroxynitrite decomposition catalyst reduces vasopressin requirement in ovine MRSA sepsis. Intensive Care Medicine Experimental, 2019, 7, 12.	0.9	6
176	The hydrogen sulfide donor IKâ€1001 stimulates neovascularization and improves wound healing. FASEB Journal, 2008, 22, 912.42.	0.2	6
177	Use of Oxandrolone in Burn Patients. Journal of Burn Care and Research, 2006, 27, 140-141.	0.2	5
178	Negative Pressure Wound Therapy with Instillation and Dwell for the Management of a Complex Burn: A Case Report and Review of the Literature. Cureus, 2018, 10, e3514.	0.2	5
179	Estimated versus achieved maximal oxygen consumption in severely burned children maximal oxygen consumption in burned children. Burns, 2018, 44, 2026-2033.	1.1	5
180	BMS Letter to the Editor #1: Introduction to the Burn Model System Centers Program. Burns, 2016, 42, 944-946.	1.1	4

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181	Life-long relationships? The future of pediatric burn care and research. Burns, 2017, 43, 457-458.	1.1	4
182	Calcemic response to burns differs between adults and children: A review of the literature. Osteoporosis and Sarcopenia, 2017, 3, 170-173.	0.7	4
183	Epigenetic memory of oxidative stress: does nephrilin exert its protective effects via Rac1? . Biologics: Targets and Therapy, 2017, Volume 11, 97-106.	3.0	4
184	Children with severe burns display no sex differences in exercise capacity at hospital discharge or adaptation after exercise rehabilitation training. Burns, 2018, 44, 1187-1194.	1.1	4
185	Effectiveness of Colonic Fluid Resuscitation in a Burn-Injured Swine. Journal of Burn Care and Research, 2018, 39, 744-750.	0.2	4
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