David M Burmeister

List of Publications by Year
in descending order

43 papers	1,479 citations	430874 18 h-index	330143 37 g-index
43 all docs	43 docs citations	43 times ranked	2024 citing authors

#	Article	IF	Citations
1	The Potential of Arterial Pulse Wave Analysis in Burn Resuscitation: A Pilot In Vivo Study. Journal of Burn Care and Research, 2023, 44, 599-609.	0.4	1
2	A Prospective Observational Study Comparing Clinical Sepsis Criteria to Protein Biomarkers Reveals a Role for Vascular Dysfunction in Burn Sepsis. , 2022, 4, e0610.		6
3	Tourniquetâ€induced lower limb ischemia/reperfusion reduces mitochondrial function by decreasing mitochondrial biogenesis in acute kidney injury in mice. Physiological Reports, 2022, 10, e15181.	1.7	7
4	Burn Shock and Resuscitation: Review and State of the Science. Journal of Burn Care and Research, 2022, 43, 567-585.	0.4	6
5	Experimental models of acute kidney injury for translational research. Nature Reviews Nephrology, 2022, 18, 277-293.	9.6	32
6	T5 Tracking Cardiac Output During Burn Resuscitation via Pulse Wave Analysis. Journal of Burn Care and Research, 2022, 43, S4-S5.	0.4	0
7	Inhibition of Naâ€H exchanger 3 ameliorates lower limb ischemia/reperfusionâ€induced acute kidney injury through preservation of mitochondrial biogenesis in mice. FASEB Journal, 2022, 36, .	0.5	1
8	Advantages and Disadvantages of Using Small and Large Animals in Burn Research: Proceedings of the 2021 Research Special Interest Group. Journal of Burn Care and Research, 2022, 43, 1032-1041.	0.4	3
9	125 Minimal Effects of Intravenous Administration of Xenogeneic Adipose Derived Stem Cells on Organ Function in a Porcine 40%TBSA Burn Model. Journal of Burn Care and Research, 2021, 42, S84-S85.	0.4	0
10	Minimal Effects of Intravenous Administration of Xenogeneic Adipose Derived Stem Cells on Organ Function in a Porcine 40% TBSA Burn Model. Journal of Burn Care and Research, 2021, 42, 870-879.	0.4	4
11	ASCs derived from burn patients are more prone to increased oxidative metabolism and reactive oxygen species upon passaging. Stem Cell Research and Therapy, 2021, 12, 270.	5.5	2
12	Whole blood resuscitation restores intestinal perfusion and influences gut microbiome diversity. Journal of Trauma and Acute Care Surgery, 2021, 91, 1002-1009.	2.1	9
13	An Assessment of Research Priorities to Dampen the Pendulum Swing of Burn Resuscitation. Journal of Burn Care and Research, 2021, 42, 113-125.	0.4	10
14	A case study demonstrating tolerance of the gut to large volumes of enteral fluids as a complement to IV fluid resuscitation in burn shock. International Journal of Burns and Trauma, 2021, 11, 202-206.	0.2	0
15	Increased oxidative phosphorylation in lymphocytes does not atone for decreased cell numbers after burn injury. Innate Immunity, 2020, 26, 403-412.	2.4	6
16	Plasma and Urinary Glycosaminoglycans as Evidence for Endotheliopathy in a Swine Burn Model. Journal of Surgical Research, 2020, 248, 28-37.	1.6	10
17	The Effect of Burn Resuscitation Volumes on the Gut Microbiome in a Swine Model. Shock, 2020, 54, 368-376.	2.1	9
18	Impact of oral resuscitation on circulating and splenic leukocytes after burns. Burns, 2020, 46, 567-578.	1.9	9

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19	A 30% incidence of renal cysts with varying sizes and densities in biomedical research swine is not associated with renal dysfunction. Animal Models and Experimental Medicine, 2020, 3, 273-281.	3.3	2
20	Burn resuscitation strategy influences the gut microbiota-liver axis in swine. Scientific Reports, 2020, 10, 15655.	3.3	13
21	Large animal models for translational research in acute kidney injury. Renal Failure, 2020, 42, 1042-1058.	2.1	29
22	The gut microbiome distinguishes mortality in trauma patients upon admission to the emergency department. Journal of Trauma and Acute Care Surgery, 2020, 88, 579-587.	2.1	27
23	Point-of-Care Urinary Biomarker Testing for Risk Prediction in Critically Injured Combat Casualties. Journal of the American College of Surgeons, 2019, 229, 508-515e1.	0.5	3
24	Burn-induced reductions in mitochondrial abundance and efficiency are more pronounced with small volumes of colloids in swine. American Journal of Physiology - Cell Physiology, 2019, 317, C1229-C1238.	4.6	10
25	A prospective study in severely injured patients reveals an altered gut microbiome is associated with transfusion volume. Journal of Trauma and Acute Care Surgery, 2019, 86, 573-582.	2.1	23
26	Predicting wound healing rates and survival with the use of automated serial evaluations of burn wounds. Burns, 2019, 45, 48-53.	1.9	4
27	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. Stem Cells Translational Medicine, 2018, 7, 360-372.	3.3	42
28	Isolation and Characterization of Multipotent CD24+ Cells From the Renal Papilla of Swine. Frontiers in Medicine, 2018, 5, 250.	2.6	7
29	The Cutaneous Microbiome and Wounds: New Molecular Targets to Promote Wound Healing. International Journal of Molecular Sciences, 2018, 19, 2699.	4.1	146
30	Effect of Intravenous Fluid Volumes on the Adrenal Glucocorticoid Response After Burn Injury in Swine. Journal of Burn Care and Research, 2018, 39, 652-660.	0.4	8
31	Polytrauma independent of therapeutic intervention alters the gastrointestinal microbiome. American Journal of Surgery, 2018, 216, 699-705.	1.8	23
32	Enteral resuscitation with oral rehydration solution to reduce acute kidney injury in burn victims: Evidence from a porcine model. PLoS ONE, 2018, 13, e0195615.	2.5	29
33	A model of recovery from inhalation injury and cutaneous burn in ambulatory swine. Burns, 2017, 43, 1295-1305.	1.9	7
34	Molecular mechanisms of trauma-induced acute kidney injury: Inflammatory and metabolic insights from animal models. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2017, 1863, 2661-2671.	3.8	32
35	In Situ Delivery of Fibrin-Based Hydrogels Prevents Contraction and Reduces Inflammation. Journal of Burn Care and Research, 2017, 39, 1.	0.4	23
36	Noninvasive Techniques for the Determination of Burn Severity in Real Time. Journal of Burn Care and Research, 2017, 38, e180-e191.	0.4	21

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37	An optimized staining technique for the detection of Gram positive and Gram negative bacteria within tissue. BMC Research Notes, 2016, 9, 216.	1.4	93
38	Impact of Isolated Burns on Major Organs. Shock, 2016, 46, 137-147.	2.1	25
39	Progress of clinical practice on the management of burn-associated pain: Lessons from animal models. Burns, 2016, 42, 1161-1172.	1.9	24
40	Initial Characterization of the Pig Skin Bacteriome and Its Effect on In Vitro Models of Wound Healing. PLoS ONE, 2016, 11, e0166176.	2.5	35
41	Burn wound healing and treatment: review and advancements. Critical Care, 2015, 19, 243.	5.8	603
42	Utility of spatial frequency domain imaging (SFDI) and laser speckle imaging (LSI) to non-invasively diagnose burn depth in a porcine model. Burns, 2015, 41, 1242-1252.	1.9	59
43	Quantitative assessment of graded burn wounds in a porcine model using spatial frequency domain imaging (SFDI) and laser speckle imaging (LSI). Biomedical Optics Express, 2014, 5, 3467.	2.9	76