Shawn G Rhind

List of Publications by Year
in descending order

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99 papers	2,948 citations	172457 29 h-index	182427 51 g-index
109 all docs	109 docs citations	109 times ranked	3782 citing authors

#	Article	IF	Citations
1	The Immunomodulatory Effects of Hypertonic Saline Resuscitation in Patients Sustaining Traumatic Hemorrhagic Shock. Annals of Surgery, 2006, 243, 47-57.	4.2	186
2	Association of trauma exposure with proinflammatory activity: a transdiagnostic meta-analysis. Translational Psychiatry, 2014, 4, e413-e413.	4.8	155
3	Abnormal Coagulation Tests Are Associated With Progression of Traumatic Intracranial Hemorrhage. Journal of Trauma, 2009, 67, 959-967.	2.3	128
4	Inflammatory cytokine and chemokine profiles are associated with patient outcome and the hyperadrenergic state following acute brain injury. Journal of Neuroinflammation, 2016, 13, 40.	7.2	126
5	Mild endotoxemia, NF-Î²B translocation, and cytokine increase during exertional heat stress in trained and untrained individuals. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2008, 295, R611-R623.	1.8	121
6	Prehospital resuscitation with hypertonic saline-dextran modulates inflammatory, coagulation and endothelial activation marker profiles in severe traumatic brain injured patients. Journal of Neuroinflammation, 2010, 7, 5.	7.2	95
7	The Value of Serum Biomarkers in Prediction Models of Outcome After Mild Traumatic Brain Injury. Journal of Trauma, 2011, 71, S478-S486.	2.3	90
8	Intracellular monocyte and serum cytokine expression is modulated by exhausting exercise and cold exposure. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2001, 281, R66-R75.	1.8	89
9	Cytokine induction during exertional hyperthermia is abolished by core temperature clamping: neuroendocrine regulatory mechanisms. International Journal of Hyperthermia, 2004, 20, 503-516.	2.5	88
10	Blood Biomarkers in Moderate-To-Severe Traumatic Brain Injury: Potential Utility of a Multi-Marker Approach in Characterizing Outcome. Frontiers in Neurology, 2015, 6, 110.	2.4	83
11	Sympathoadrenal Activation is Associated with Acute Traumatic Coagulopathy and Endotheliopathy in Isolated Brain Injury. Shock, 2016, 46, 96-103.	2.1	78
12	Catecholamines as outcome markers in isolated traumatic brain injury: the COMA-TBI study. Critical Care, 2017, 21, 37.	5.8	75
13	Resuscitation with Hypertonic Salineâ€“Dextran Reduces Serum Biomarker Levels and Correlates with Outcome in Severe Traumatic Brain Injury Patients. Journal of Neurotrauma, 2009, 26, 1227-1240.	3.4	71
14	Endurance exercise with and without a thermal clamp: effects on leukocytes and leukocyte subsets. Journal of Applied Physiology, 1996, 81, 822-829.	2.5	70
15	Circulating Levels of Peripheral Blood Leucocytes and Cytokines Following Competitive Cycling. Applied Physiology, Nutrition, and Metabolism, 1997, 22, 133-147.	1.7	70
16	Exercise and the Immune System. Sports Medicine, 1994, 18, 340-369.	6.5	67
17	Cold exposure: human immune responses and intracellular cytokine expression. Medicine and Science in Sports and Exercise, 2002, 34, 2013-2020.	0.4	67
18	Resuscitation of Traumatic Hemorrhagic Shock Patients With Hypertonic Salineâ€”Without Dextranâ€”Inhibits Neutrophil and Endothelial Cell Activation. Shock, 2012, 38, 341-350.	2.1	62

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19	Contribution of exertional hyperthermia to sympathoadrenal-mediated lymphocyte subset redistribution. Journal of Applied Physiology, 1999, 87, 1178-1185.	2.5	60
20	Systematic Review of Human and Animal Studies Examining the Efficacy and Safety of N-Acetylcysteine (NAC) and N-Acetylcysteine Amide (NACA) in Traumatic Brain Injury: Impact on Neurofunctional Outcome and Biomarkers of Oxidative Stress and Inflammation. Frontiers in Neurology, 2017, 8, 744.	2.4	57
21	Effects of moderate endurance exercise and training on in vitro lymphocyte proliferation, interleukin-2 (IL-2) production, and IL-2 receptor expression. European Journal of Applied Physiology and Occupational Physiology, 1996, 74, 348-360.	1.2	54
22	Expression of intracellular cytokines, HSP72, and apoptosis in monocyte subsets during exertional heat stress in trained and untrained individuals. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2009, 296, R575-R586.	1.8	47
23	The effect of various cold-water immersion protocols on exercise-induced inflammatory response and functional recovery from high-intensity sprint exercise. European Journal of Applied Physiology, 2014, 114, 2353-2367.	2.5	45
24	Application of Blood-Based Biomarkers in Human Mild Traumatic Brain Injury. Frontiers in Neurology, 2013, 4, 44.	2.4	44
25	Altered Blood Biomarker Profiles in Athletes with a History of Repetitive Head Impacts. PLoS ONE, 2016, 11, e0159929.	2.5	44
26	Prehospital Hypertonic Saline Resuscitation Attenuates the Activation and Promotes Apoptosis of Neutrophils in Patients With Severe Traumatic Brain Injury. Shock, 2013, 40, 366-374.	2.1	43
27	Thermoregulation during cold exposure after several days of exhaustive exercise. Journal of Applied Physiology, 2001, 90, 939-946.	2.5	39
28	Prehospital Resuscitation of Traumatic Hemorrhagic Shock with Hypertonic Solutions Worsens Hypocoagulation and Hyperfibrinolysis. Shock, 2015, 44, 25-31.	2.1	39
29	Multivariate Analysis of Traumatic Brain Injury: Development of an Assessment Score. Frontiers in Neurology, 2015, 6, 68.	2.4	38
30	Evidence of a distinct peripheral inflammatory profile in sport-related concussion. Journal of Neuroinflammation, 2019, 16, 17.	7.2	38
31	Blood biomarkers are associated with brain function and blood flow following sport concussion. Journal of Neuroimmunology, 2018, 319, 1-8.	2.3	31
32	Effect of Melarsoprol Treatment on Circulating IL-10 and TNF-Î± Levels in Human African Trypanosomiasis. Clinical Immunology and Immunopathology, 1997, 83, 185-189.	2.0	29
33	High-Intensity Interval Training Is Associated With Alterations in Blood Biomarkers Related to Brain Injury. Frontiers in Physiology, 2018, 9, 1367.	2.8	29
34	The relationship between symptom burden and systemic inflammation differs between male and female athletes following concussion. BMC Immunology, 2020, 21, 11.	2.2	29
35	Differential cell adhesion molecule expression and lymphocyte mobilisation during prolonged aerobic exercise. European Journal of Applied Physiology, 2001, 84, 272-282.	2.5	28
36	The Toronto prehospital hypertonic resuscitationâ€"head injury and multiorgan dysfunction trial: Feasibility study of a randomized controlled trial. Journal of Critical Care, 2011, 26, 363-372.	2.2	26

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37	Biomarkers of Glycocalyx Injury are Associated with Delayed Cerebral Ischemia Following Aneurysmal Subarachnoid Hemorrhage: A Case Series Supporting a New Hypothesis. Neurocritical Care, 2017, 26, 339-347.	2.4	25
38	INDOMETHACIN MODULATES CIRCULATING CYTOKINE RESPONSES TO STRENUOUS EXERCISE IN HUMANS. Cytokine, 2002, 19, 153-158.	3.2	23
39	An investigation of neuroinjury biomarkers after sport-related concussion: from the subacute phase to clinical recovery. Brain Injury, 2018, 32, 575-582.	1.2	22
40	A comparative study of viscoelastic hemostatic assays and conventional coagulation tests in trauma patients receiving fibrinogen concentrate. Clinica Chimica Acta, 2019, 495, 253-262.	1.1	22
41	The relation between adverse childhood experiences and moral injury in the Canadian Armed Forces. HÃ¶gre Utbildning, 2019, 10, 1546084.	3.0	22
42	Peripheral markers of central fatigue in trained and untrained during uncompensable heat stress. European Journal of Applied Physiology, 2012, 112, 1047-1057.	2.5	21
43	The effects of exercise and ambient temperature on dietary intake, appetite sensation, and appetite regulating hormone concentrations. Nutrition and Metabolism, 2019, 16, 29.	3.0	20
44	Peripheral blood neuroendocrine hormones are associated with clinical indices of sport-related concussion. Scientific Reports, 2019, 9, 18605.	3.3	20
45	Virtual Realityâ€“Based Treatment for Military Members and Veterans With Combat-Related Posttraumatic Stress Disorder: Protocol for a Multimodular Motion-Assisted Memory Desensitization and Reconsolidation Randomized Controlled Trial. JMIR Research Protocols, 2020, 9, e20620.	1.0	20
46	Naive and Memory T Cell Subsets are Differentially Mobilized During Physical Stress. International Journal of Sports Medicine, 2002, 23, 223-229.	1.7	19
47	Convalescent Plasma for the Prevention and Treatment of COVID-19: A Systematic Review and Quantitative Analysis. JMIR Public Health and Surveillance, 2021, 7, e25500.	2.6	19
48	Increased Neutrophil Adenosine A3 Receptor Expression Is Associated With Hemorrhagic Shock and Injury Severity in Trauma Patients. Shock, 2011, 36, 435-439.	2.1	16
49	Imaging of astrocytes in posttraumatic stress disorder: A PET study with the monoamine oxidase B radioligand [11C]SL25.1188. European Neuropsychopharmacology, 2022, 54, 54-61.	0.7	16
50	Blunted Nocturnal Salivary Melatonin Secretion Profiles in Military-Related Posttraumatic Stress Disorder. Frontiers in Psychiatry, 2019, 10, 882.	2.6	15
51	An investigation of plasma interleukin-6 in sport-related concussion. PLoS ONE, 2020, 15, e0232053.	2.5	15
52	The Toronto prehospital hypertonic resuscitation-head injury and multi organ dysfunction trial (TOPHR HIT) - Methods and data collection tools. Trials, 2009, 10, 105.	1.6	13
53	Disturbed EEG sleep, paranoid cognition and somatic symptoms identify veterans with post-traumatic stress disorder. BJPsych Open, 2016, 2, 359-365.	0.7	13
54	Fibrinogen Concentrate in the Special Operations Forces Environment. Military Medicine, 2018, 183, e45-e50.	0.8	11

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55	Indomethacin inhibits circulating PGE2 and reverses postexercise suppression of natural killer cell activity. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 1999, 276, R1496-R1505.	1.8	10
56	Performance Evaluation of a Salivary Amylase Biosensor for Stress Assessment in Military Field Research. Journal of Clinical Laboratory Analysis, 2016, 30, 223-230.	2.1	10
57	Blast in Context: The Neuropsychological and Neurocognitive Effects of Long-Term Occupational Exposure to Repeated Low-Level Explosives on Canadian Armed Forces' Breaching Instructors and Range Staff. Frontiers in Neurology, 2020, 11, 588531.	2.4	10
58	Repeated Occupational Exposure to Low-level Blast in the Canadian Armed Forces: Effects on Hearing, Balance, and Ataxia. Military Medicine, 2022, 187, e201-e208.	0.8	10
59	Human hair follicle transcriptome profiling: a minimally invasive tool to assess molecular adaptations upon lowâ€volume, highâ€intensity interval training. Physiological Reports, 2017, 5, e13534.	1.7	9
60	Biological Response to Stress During Battlefield Trauma Training: Live Tissue Versus High-Fidelity Patient Simulator. Military Medicine, 2018, 183, e349-e356.	0.8	9
61	Examining the associations among moral injury, difficulties with emotion regulation, and symptoms of PTSD, depression, anxiety, and stress among Canadian military members and Veterans: A preliminary study. Journal of Military, Veteran and Family Health, 2021, 7, 71-80.	0.6	9
62	A Comparative Analysis of Functional Fibrinogen Assays using TEG and ROTEM in Trauma Patients Enrolled in the FiiRST Trial. Panamerican Journal of Trauma Critical Care & Emergency Surgery, 2018, 7, 143-157.	0.1	9
63	An Open-Label Feasibility Trial Examining the Effectiveness of a Cognitive Training Program, Goal Management Training, in Individuals With Posttraumatic Stress Disorder. Chronic Stress, 2019, 3, 247054701984159.	3.4	8
64	Teasing apart trauma: neural oscillations differentiate individual cases of mild traumatic brain injury from post-traumatic stress disorder even when symptoms overlap. Translational Psychiatry, 2021, 11, 345.	4.8	8
65	Thromboelastographic Study of Psychophysiological Stress. Clinical and Applied Thrombosis/Hemostasis, 2015, 21, 497-512.	1.7	7
66	Massage Therapy Modulates Inflammatory Mediators Following Sprint Exercise in Healthy Male Athletes. Journal of Functional Morphology and Kinesiology, 2020, 5, 9.	2.4	7
67	Ex vivo hemostatic and immunoâ€inflammatory profiles of freezeâ€dried plasma. Transfusion, 2021, 61, S119-S130.	1.6	5
68	A Distinct Metabolite Signature in Military Personnel Exposed to Repetitive Low-Level Blasts. Frontiers in Neurology, 2022, 13, 831792.	2.4	5
69	Epinephrine causes a reduction in lymph node cell output in sheep. Canadian Journal of Physiology and Pharmacology, 2001, 79, 246-252.	1.4	4
70	The Psychoneuroimmunology of Stress Regulation in Pediatric Cancer Patients. Cancers, 2021, 13, 4684.	3.7	4
71	Cerebral blood flow is associated with matrix metalloproteinase levels during the early symptomatic phase of concussion. PLoS ONE, 2021, 16, e0253134.	2.5	4
72	Hyperbaric stress in divers and non-divers: neuroendocrine and psychomotor responses. Undersea and Hyperbaric Medicine, 2010, 37, 219-31.	0.3	4

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73	Effects of hypertonic saline on the development of acute lung injury following traumatic shock. Journal of Organ Dysfunction, 2008, 4, 99-105.	0.3	3
74	Effects of Hyperbaric and Decompression Stress on Blood Coagulation and Fibrinolysis. Clinical and Applied Thrombosis/Hemostasis, 2016, 22, 327-339.	1.7	3
75	974. Dysregulation of Hypothalamic-Pituitary-Adrenal Axis and Sympathoadrenergic System is Associated with Posttraumatic Stress Disorder in Combat Veterans. Biological Psychiatry, 2017, 81, S394.	1.3	3
76	51. Investigating Endocannabinoid Mechanisms in Posttraumatic Stress Disorder: Neuroimaging Studies With the Novel Fatty Acid Amide Hydrolase Probe, [11C]CURB. Biological Psychiatry, 2018, 83, S21.	1.3	3
77	Biomarkers for military mental health: Insights, challenges, and future prospects. Journal of Military, Veteran and Family Health, 2020, 6, 51-67.	0.6	3
78	Effects of High-Intensity Interval Exercise and Training on Hemostasis in Healthy Males. Medicine and Science in Sports and Exercise, 2015, 47, 299-300.	0.4	2
79	Evaluation of traumaâ€induced coagulopathy in the fibrinogen in the initial resuscitation of severe trauma trial. Transfusion, 2021, 61, S49-S57.	1.6	2
80	Moral injury in Canadian military members and Veterans: Implications for military and healthcare sector response during the COVID-19 pandemic. Journal of Military, Veteran and Family Health, 2020, COVID-19, Author's origin.	0.6	2
81	Pharmacogenomics: A primer for the military mental health provider. Journal of Military, Veteran and Family Health, 2020, 6, 44-50.	0.6	2
82	Freezeâ€dried plasma: From damage control resuscitation to coronavirus disease 2019 therapy. Transfusion, 2022, 62, 1408-1416.	1.6	2
83	Endocannabinoid Metabolism in Posttraumatic Stress Disorder: Results From a Neuroimaging Study With the Novel Fatty Acid Amide Hydrolase Probe, [C-11] Curb. Biological Psychiatry, 2020, 87, S282-S283.	1.3	1
84	Acute Neuroendocrine Response to Hyperbaric Stress in Experienced Male Divers Versus Non-Divers. Medicine and Science in Sports and Exercise, 2008, 40, S169.	0.4	0
85	Changes In Circulating Immuno-inflammatory Mediators Following Repeated Exertional Heat Stress Exposures In Untrained Males. Medicine and Science in Sports and Exercise, 2010, 42, 364-365.	0.4	0
86	Circulating Free-Tryptophan To Tyrosine As A Marker Of Central Fatigue During Heat Stress. Medicine and Science in Sports and Exercise, 2011, 43, 682.	0.4	0
87	240. Cytokine, 2013, 63, 299-300.	3.2	0
88	F37. Is There Astrocyte Pathology in PTSD? Preliminary Findings of a PET Study With the Monoamine Oxidase B Radioligand [11C]SL25.1188. Biological Psychiatry, 2019, 85, S226-S227.	1.3	0
89	Cytoprotection Against Apoptosis Following An Acute Bout Of Exertional Heat Stress. Medicine and Science in Sports and Exercise, 2006, 38, S308.	0.4	0
90	Intracellular HSP72 Expression in Monocyte Subsets Between Trained and Untrained Individuals During Exertional Heat Stress. Medicine and Science in Sports and Exercise, 2006, 38, S308.	0.4	0

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91	Nuclear Factor (NF)-KB Activation in Human Peripheral Blood Mononuclear Cells Of Trained Versus Untrained Individuals During Exertional Heat Stress. Medicine and Science in Sports and Exercise, 2007, 39, S61.	0.4	0
92	Trauma Association of Canada Abstracts 2018. Canadian Journal of Surgery, 2018, 61, S1-S35.	1.2	0
93	The relation between adverse childhood experiences and moral injury in the Canadian Armed Forces. Journal of Military, Veteran and Family Health, 2019, 5, 4-5.	0.6	0
94	Peripheral Skeletal Muscle Impairment in Children After Treatment for Leukemia and Lymphoma. Journal of Pediatric Hematology/Oncology, 2022, Publish Ahead of Print, .	0.6	0
95	An investigation of plasma interleukin-6 in sport-related concussion. , 2020, 15, e0232053.		0
96	An investigation of plasma interleukin-6 in sport-related concussion. , 2020, 15, e0232053.		0
97	An investigation of plasma interleukin-6 in sport-related concussion. , 2020, 15, e0232053.		0
98	An investigation of plasma interleukin-6 in sport-related concussion. , 2020, 15, e0232053.		0
99	P648. Fatty Acid Amide Hydrolase and Threat Related Amygdala Activity in Individuals With PTSD. Biological Psychiatry, 2022, 91, S352.	1.3	0