

# Shawn G Rhind

## List of Publications by Year in descending order

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98  
papers

2,948  
citations

172207

29  
h-index

182168

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. <i>Annals of Surgery</i> , 2006, 243, 47-57.	2.1	186
2	Association of trauma exposure with proinflammatory activity: a transdiagnostic meta-analysis. <i>Translational Psychiatry</i> , 2014, 4, e413-e413.	2.4	155
3	Abnormal Coagulation Tests Are Associated With Progression of Traumatic Intracranial Hemorrhage. <i>Journal of Trauma</i> , 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. <i>Journal of Neuroinflammation</i> , 2016, 13, 40.	3.1	126
5	Mild endotoxemia, NF- $\kappa$ B translocation, and cytokine increase during exertional heat stress in trained and untrained individuals. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2008, 295, R611-R623.	0.9	121
6	Prehospital resuscitation with hypertonic saline-dextran modulates inflammatory, coagulation and endothelial activation marker profiles in severe traumatic brain injured patients. <i>Journal of Neuroinflammation</i> , 2010, 7, 5.	3.1	95
7	The Value of Serum Biomarkers in Prediction Models of Outcome After Mild Traumatic Brain Injury. <i>Journal of Trauma</i> , 2011, 71, S478-S486.	2.3	90
8	Intracellular monocyte and serum cytokine expression is modulated by exhausting exercise and cold exposure. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2001, 281, R66-R75.	0.9	89
9	Cytokine induction during exertional hyperthermia is abolished by core temperature clamping: neuroendocrine regulatory mechanisms. <i>International Journal of Hyperthermia</i> , 2004, 20, 503-516.	1.1	88
10	Blood Biomarkers in Moderate-To-Severe Traumatic Brain Injury: Potential Utility of a Multi-Marker Approach in Characterizing Outcome. <i>Frontiers in Neurology</i> , 2015, 6, 110.	1.1	83
11	Sympathoadrenal Activation is Associated with Acute Traumatic Coagulopathy and Endotheliopathy in Isolated Brain Injury. <i>Shock</i> , 2016, 46, 96-103.	1.0	78
12	Catecholamines as outcome markers in isolated traumatic brain injury: the COMA-TBI study. <i>Critical Care</i> , 2017, 21, 37.	2.5	75
13	Resuscitation with Hypertonic Saline+Dextran Reduces Serum Biomarker Levels and Correlates with Outcome in Severe Traumatic Brain Injury Patients. <i>Journal of Neurotrauma</i> , 2009, 26, 1227-1240.	1.7	71
14	Endurance exercise with and without a thermal clamp: effects on leukocytes and leukocyte subsets. <i>Journal of Applied Physiology</i> , 1996, 81, 822-829.	1.2	70
15	Circulating Levels of Peripheral Blood Leucocytes and Cytokines Following Competitive Cycling. <i>Applied Physiology, Nutrition, and Metabolism</i> , 1997, 22, 133-147.	1.7	70
16	Exercise and the Immune System. <i>Sports Medicine</i> , 1994, 18, 340-369.	3.1	67
17	Cold exposure: human immune responses and intracellular cytokine expression. <i>Medicine and Science in Sports and Exercise</i> , 2002, 34, 2013-2020.	0.2	67
18	Resuscitation of Traumatic Hemorrhagic Shock Patients With Hypertonic Saline+Without Dextran+Inhibits Neutrophil and Endothelial Cell Activation. <i>Shock</i> , 2012, 38, 341-350.	1.0	62

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19	Contribution of exertional hyperthermia to sympathoadrenal-mediated lymphocyte subset redistribution. <i>Journal of Applied Physiology</i> , 1999, 87, 1178-1185.	1.2	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. <i>Frontiers in Neurology</i> , 2017, 8, 744.	1.1	57
21	Effects of moderate endurance exercise and training on in vitro lymphocyte proliferation, interleukin-2 (IL-2) production, and IL-2 receptor expression. <i>European Journal of Applied Physiology and Occupational Physiology</i> , 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. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2009, 296, R575-R586.	0.9	47
23	The effect of various cold-water immersion protocols on exercise-induced inflammatory response and functional recovery from high-intensity sprint exercise. <i>European Journal of Applied Physiology</i> , 2014, 114, 2353-2367.	1.2	45
24	Application of Blood-Based Biomarkers in Human Mild Traumatic Brain Injury. <i>Frontiers in Neurology</i> , 2013, 4, 44.	1.1	44
25	Altered Blood Biomarker Profiles in Athletes with a History of Repetitive Head Impacts. <i>PLoS ONE</i> , 2016, 11, e0159929.	1.1	44
26	Prehospital Hypertonic Saline Resuscitation Attenuates the Activation and Promotes Apoptosis of Neutrophils in Patients With Severe Traumatic Brain Injury. <i>Shock</i> , 2013, 40, 366-374.	1.0	43
27	Thermoregulation during cold exposure after several days of exhaustive exercise. <i>Journal of Applied Physiology</i> , 2001, 90, 939-946.	1.2	39
28	Prehospital Resuscitation of Traumatic Hemorrhagic Shock with Hypertonic Solutions Worsens Hypocoagulation and Hyperfibrinolysis. <i>Shock</i> , 2015, 44, 25-31.	1.0	39
29	Multivariate Analysis of Traumatic Brain Injury: Development of an Assessment Score. <i>Frontiers in Neurology</i> , 2015, 6, 68.	1.1	38
30	Evidence of a distinct peripheral inflammatory profile in sport-related concussion. <i>Journal of Neuroinflammation</i> , 2019, 16, 17.	3.1	38
31	Blood biomarkers are associated with brain function and blood flow following sport concussion. <i>Journal of Neuroimmunology</i> , 2018, 319, 1-8.	1.1	31
32	Effect of Melarsoprol Treatment on Circulating IL-10 and TNF- $\beta$ Levels in Human African Trypanosomiasis. <i>Clinical Immunology and Immunopathology</i> , 1997, 83, 185-189.	2.1	29
33	High-Intensity Interval Training Is Associated With Alterations in Blood Biomarkers Related to Brain Injury. <i>Frontiers in Physiology</i> , 2018, 9, 1367.	1.3	29
34	The relationship between symptom burden and systemic inflammation differs between male and female athletes following concussion. <i>BMC Immunology</i> , 2020, 21, 11.	0.9	29
35	Differential cell adhesion molecule expression and lymphocyte mobilisation during prolonged aerobic exercise. <i>European Journal of Applied Physiology</i> , 2001, 84, 272-282.	1.2	28
36	The Toronto prehospital hypertonic resuscitation "head injury and multiorgan dysfunction trial: Feasibility study of a randomized controlled trial. <i>Journal of Critical Care</i> , 2011, 26, 363-372.	1.0	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. <i>Neurocritical Care</i> , 2017, 26, 339-347.	1.2	25
38	INDOMETHACIN MODULATES CIRCULATING CYTOKINE RESPONSES TO STRENUOUS EXERCISE IN HUMANS. <i>Cytokine</i> , 2002, 19, 153-158.	1.4	23
39	An investigation of neuroinjury biomarkers after sport-related concussion: from the subacute phase to clinical recovery. <i>Brain Injury</i> , 2018, 32, 575-582.	0.6	22
40	A comparative study of viscoelastic hemostatic assays and conventional coagulation tests in trauma patients receiving fibrinogen concentrate. <i>Clinica Chimica Acta</i> , 2019, 495, 253-262.	0.5	22
41	The relation between adverse childhood experiences and moral injury in the Canadian Armed Forces. <i>HÅrre Utbildning</i> , 2019, 10, 1546084.	1.4	22
42	Peripheral markers of central fatigue in trained and untrained during uncompensable heat stress. <i>European Journal of Applied Physiology</i> , 2012, 112, 1047-1057.	1.2	21
43	The effects of exercise and ambient temperature on dietary intake, appetite sensation, and appetite regulating hormone concentrations. <i>Nutrition and Metabolism</i> , 2019, 16, 29.	1.3	20
44	Peripheral blood neuroendocrine hormones are associated with clinical indices of sport-related concussion. <i>Scientific Reports</i> , 2019, 9, 18605.	1.6	20
45	Virtual Reality-Based Treatment for Military Members and Veterans With Combat-Related Posttraumatic Stress Disorder: Protocol for a Multimodal Motion-Assisted Memory Desensitization and Reconsolidation Randomized Controlled Trial. <i>JMIR Research Protocols</i> , 2020, 9, e20620.	0.5	20
46	Naive and Memory T Cell Subsets are Differentially Mobilized During Physical Stress. <i>International Journal of Sports Medicine</i> , 2002, 23, 223-229.	0.8	19
47	Convalescent Plasma for the Prevention and Treatment of COVID-19: A Systematic Review and Quantitative Analysis. <i>JMIR Public Health and Surveillance</i> , 2021, 7, e25500.	1.2	19
48	Increased Neutrophil Adenosine A3 Receptor Expression Is Associated With Hemorrhagic Shock and Injury Severity in Trauma Patients. <i>Shock</i> , 2011, 36, 435-439.	1.0	16
49	Imaging of astrocytes in posttraumatic stress disorder: A PET study with the monoamine oxidase B radioligand [11C]SL25.1188. <i>European Neuropsychopharmacology</i> , 2022, 54, 54-61.	0.3	16
50	Blunted Nocturnal Salivary Melatonin Secretion Profiles in Military-Related Posttraumatic Stress Disorder. <i>Frontiers in Psychiatry</i> , 2019, 10, 882.	1.3	15
51	An investigation of plasma interleukin-6 in sport-related concussion. <i>PLoS ONE</i> , 2020, 15, e0232053.	1.1	15
52	The Toronto prehospital hypertonic resuscitation-head injury and multi organ dysfunction trial (TOPHR HIT) - Methods and data collection tools. <i>Trials</i> , 2009, 10, 105.	0.7	13
53	Disturbed EEG sleep, paranoid cognition and somatic symptoms identify veterans with post-traumatic stress disorder. <i>BJPsych Open</i> , 2016, 2, 359-365.	0.3	13
54	Fibrinogen Concentrate in the Special Operations Forces Environment. <i>Military Medicine</i> , 2018, 183, e45-e50.	0.4	11

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55	Indomethacin inhibits circulating PGE2 and reverses postexercise suppression of natural killer cell activity. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 1999, 276, R1496-R1505.	0.9	10
56	Performance Evaluation of a Salivary Amylase Biosensor for Stress Assessment in Military Field Research. <i>Journal of Clinical Laboratory Analysis</i> , 2016, 30, 223-230.	0.9	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. <i>Frontiers in Neurology</i> , 2020, 11, 588531.	1.1	10
58	Repeated Occupational Exposure to Low-level Blast in the Canadian Armed Forces: Effects on Hearing, Balance, and Ataxia. <i>Military Medicine</i> , 2022, 187, e201-e208.	0.4	10
59	Human hair follicle transcriptome profiling: a minimally invasive tool to assess molecular adaptations upon low-volume, high-intensity interval training. <i>Physiological Reports</i> , 2017, 5, e13534.	0.7	9
60	Biological Response to Stress During Battlefield Trauma Training: Live Tissue Versus High-Fidelity Patient Simulator. <i>Military Medicine</i> , 2018, 183, e349-e356.	0.4	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. <i>Journal of Military, Veteran and Family Health</i> , 2021, 7, 71-80.	0.3	9
62	A Comparative Analysis of Functional Fibrinogen Assays using TEG and ROTEM in Trauma Patients Enrolled in the FiiRST Trial. <i>Panamerican Journal of Trauma Critical Care &amp; Emergency Surgery</i> , 2018, 7, 143-157.	0.0	9
63	An Open-Label Feasibility Trial Examining the Effectiveness of a Cognitive Training Program, Goal Management Training, in Individuals With Posttraumatic Stress Disorder. <i>Chronic Stress</i> , 2019, 3, 247054701984159.	1.7	8
64	Teasing apart trauma: neural oscillations differentiate individual cases of mild traumatic brain injury from post-traumatic stress disorder even when symptoms overlap. <i>Translational Psychiatry</i> , 2021, 11, 345.	2.4	8
65	Thromboelastographic Study of Psychophysiological Stress. <i>Clinical and Applied Thrombosis/Hemostasis</i> , 2015, 21, 497-512.	0.7	7
66	Massage Therapy Modulates Inflammatory Mediators Following Sprint Exercise in Healthy Male Athletes. <i>Journal of Functional Morphology and Kinesiology</i> , 2020, 5, 9.	1.1	7
67	Ex vivo hemostatic and immuno-inflammatory profiles of freeze-dried plasma. <i>Transfusion</i> , 2021, 61, S119-S130.	0.8	5
68	A Distinct Metabolite Signature in Military Personnel Exposed to Repetitive Low-Level Blasts. <i>Frontiers in Neurology</i> , 2022, 13, 831792.	1.1	5
69	Epinephrine causes a reduction in lymph node cell output in sheep. <i>Canadian Journal of Physiology and Pharmacology</i> , 2001, 79, 246-252.	0.7	4
70	The Psychoneuroimmunology of Stress Regulation in Pediatric Cancer Patients. <i>Cancers</i> , 2021, 13, 4684.	1.7	4
71	Cerebral blood flow is associated with matrix metalloproteinase levels during the early symptomatic phase of concussion. <i>PLoS ONE</i> , 2021, 16, e0253134.	1.1	4
72	Hyperbaric stress in divers and non-divers: neuroendocrine and psychomotor responses. <i>Undersea and Hyperbaric Medicine</i> , 2010, 37, 219-31.	0.1	4

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73	Effects of hypertonic saline on the development of acute lung injury following traumatic shock. <i>Journal of Organ Dysfunction</i> , 2008, 4, 99-105.	0.3	3
74	Effects of Hyperbaric and Decompression Stress on Blood Coagulation and Fibrinolysis. <i>Clinical and Applied Thrombosis/Hemostasis</i> , 2016, 22, 327-339.	0.7	3
75	974. Dysregulation of Hypothalamic-Pituitary-Adrenal Axis and Sympathoadrenergic System is Associated with Posttraumatic Stress Disorder in Combat Veterans. <i>Biological Psychiatry</i> , 2017, 81, S394.	0.7	3
76	51. Investigating Endocannabinoid Mechanisms in Posttraumatic Stress Disorder: Neuroimaging Studies With the Novel Fatty Acid Amide Hydrolase Probe, [11C]CURB. <i>Biological Psychiatry</i> , 2018, 83, S21.	0.7	3
77	Biomarkers for military mental health: Insights, challenges, and future prospects. <i>Journal of Military, Veteran and Family Health</i> , 2020, 6, 51-67.	0.3	3
78	Effects of High-Intensity Interval Exercise and Training on Hemostasis in Healthy Males. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 299-300.	0.2	2
79	Evaluation of trauma-induced coagulopathy in the fibrinogen in the initial resuscitation of severe trauma trial. <i>Transfusion</i> , 2021, 61, S49-S57.	0.8	2
80	Moral injury in Canadian military members and Veterans: Implications for military and healthcare sector response during the COVID-19 pandemic. <i>Journal of Military, Veteran and Family Health</i> , 2020, COVID-19, Author's origin.	0.3	2
81	Pharmacogenomics: A primer for the military mental health provider. <i>Journal of Military, Veteran and Family Health</i> , 2020, 6, 44-50.	0.3	2
82	Freeze-dried plasma: From damage control resuscitation to coronavirus disease 2019 therapy. <i>Transfusion</i> , 2022, 62, 1408-1416.	0.8	2
83	Endocannabinoid Metabolism in Posttraumatic Stress Disorder: Results From a Neuroimaging Study With the Novel Fatty Acid Amide Hydrolase Probe, [C-11] Curb. <i>Biological Psychiatry</i> , 2020, 87, S282-S283.	0.7	1
84	Acute Neuroendocrine Response to Hyperbaric Stress in Experienced Male Divers Versus Non-Divers. <i>Medicine and Science in Sports and Exercise</i> , 2008, 40, S169.	0.2	0
85	Changes In Circulating Immuno-inflammatory Mediators Following Repeated Exertional Heat Stress Exposures In Untrained Males. <i>Medicine and Science in Sports and Exercise</i> , 2010, 42, 364-365.	0.2	0
86	Circulating Free-Tryptophan To Tyrosine As A Marker Of Central Fatigue During Heat Stress. <i>Medicine and Science in Sports and Exercise</i> , 2011, 43, 682.	0.2	0
87	240. <i>Cytokine</i> , 2013, 63, 299-300.	1.4	0
88	F37. Is There Astrocyte Pathology in PTSD? Preliminary Findings of a PET Study With the Monoamine Oxidase B Radioligand [11C]SL25.1188. <i>Biological Psychiatry</i> , 2019, 85, S226-S227.	0.7	0
89	Cytoprotection Against Apoptosis Following An Acute Bout Of Exertional Heat Stress. <i>Medicine and Science in Sports and Exercise</i> , 2006, 38, S308.	0.2	0
90	Intracellular HSP72 Expression in Monocyte Subsets Between Trained and Untrained Individuals During Exertional Heat Stress. <i>Medicine and Science in Sports and Exercise</i> , 2006, 38, S308.	0.2	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. <i>Medicine and Science in Sports and Exercise</i> , 2007, 39, S61.	0.2	0
92	The relation between adverse childhood experiences and moral injury in the Canadian Armed Forces. <i>Journal of Military, Veteran and Family Health</i> , 2019, 5, 4-5.	0.3	0
93	Peripheral Skeletal Muscle Impairment in Children After Treatment for Leukemia and Lymphoma. <i>Journal of Pediatric Hematology/Oncology</i> , 2022, Publish Ahead of Print, .	0.3	0
94	An investigation of plasma interleukin-6 in sport-related concussion. , 2020, 15, e0232053.		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	P648. Fatty Acid Amide Hydrolase and Threat Related Amygdala Activity in Individuals With PTSD. <i>Biological Psychiatry</i> , 2022, 91, S352.	0.7	0