

# Derek S Wheeler

## List of Publications by Year in descending order

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Version: 2024-02-01

85  
papers

4,568  
citations

94433

37  
h-index

98798

67  
g-index

88  
all docs

88  
docs citations

88  
times ranked

5257  
citing authors

#	ARTICLE	IF	CITATIONS
1	Therapeutic Hypothermia after Out-of-Hospital Cardiac Arrest in Children. <i>New England Journal of Medicine</i> , 2015, 372, 1898-1908.	27.0	371
2	Serum neutrophil gelatinase-associated lipocalin (NGAL) as a marker of acute kidney injury in critically ill children with septic shock. <i>Critical Care Medicine</i> , 2008, 36, 1297-1303.	0.9	304
3	Derivation and validation of the renal angina index to improve the prediction of acute kidney injury in critically ill children. <i>Kidney International</i> , 2014, 85, 659-667.	5.2	203
4	Improving Situation Awareness to Reduce Unrecognized Clinical Deterioration and Serious Safety Events. <i>Pediatrics</i> , 2013, 131, e298-e308.	2.1	196
5	The Host Response to Sepsis and Developmental Impact. <i>Pediatrics</i> , 2010, 125, 1031-1041.	2.1	183
6	Combining Functional and Tubular Damage Biomarkers Improves Diagnostic Precision for Acute Kidney Injury After Cardiac Surgery. <i>Journal of the American College of Cardiology</i> , 2014, 64, 2753-2762.	2.8	160
7	Validation of a gene expression-based subclassification strategy for pediatric septic shock*. <i>Critical Care Medicine</i> , 2011, 39, 2511-2517.	0.9	140
8	Critical Care Delivery. <i>Critical Care Medicine</i> , 2015, 43, 1520-1525.	0.9	139
9	Epigallocatechin-3-gallate, a Green Tea-Derived Polyphenol, Inhibits IL-1-Dependent Proinflammatory Signal Transduction in Cultured Respiratory Epithelial Cells. <i>Journal of Nutrition</i> , 2004, 134, 1039-1044.	2.9	135
10	Interleukin-8 as a Stratification Tool for Interventional Trials Involving Pediatric Septic Shock. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2008, 178, 276-282.	5.6	129
11	High-reliability emergency response teams in the hospital: improving quality and safety using in situ simulation training. <i>BMJ Quality and Safety</i> , 2013, 22, 507-514.	3.7	128
12	Incorporation of Biomarkers with the Renal Angina Index for Prediction of Severe AKI in Critically Ill Children. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2014, 9, 654-662.	4.5	125
13	The medicinal chemistry of tea. <i>Drug Development Research</i> , 2004, 61, 45-65.	2.9	116
14	Heat shock response and acute lung injury. <i>Free Radical Biology and Medicine</i> , 2007, 42, 1-14.	2.9	114
15	Extracellular Hsp72, an endogenous DAMP, is released by virally infected airway epithelial cells and activates neutrophils via Toll-like receptor (TLR)-4. <i>Respiratory Research</i> , 2009, 10, 31.	3.6	110
16	Extracellular hsp70 levels in children with septic shock*. <i>Pediatric Critical Care Medicine</i> , 2005, 6, 308-311.	0.5	108
17	Hsp72 Induces Inflammation and Regulates Cytokine Production in Airway Epithelium through a TLR4- and NF- $\kappa$ B-Dependent Mechanism. <i>Journal of Immunology</i> , 2007, 179, 6318-6324.	0.8	104
18	Renal angina: an emerging paradigm to identify children at risk for acute kidney injury. <i>Pediatric Nephrology</i> , 2012, 27, 1067-1078.	1.7	103

#	ARTICLE	IF	CITATIONS
19	INDUCTION OF ENDOTOXIN TOLERANCE ENHANCES BACTERIAL CLEARANCE AND SURVIVAL IN MURINE POLYMICROBIAL SEPSIS. <i>Shock</i> , 2008, 30, 267-273.	2.1	101
20	Quality Improvement Initiative to Reduce Serious Safety Events and Improve Patient Safety Culture. <i>Pediatrics</i> , 2012, 130, e423-e431.	2.1	100
21	A green tea-derived polyphenol, epigallocatechin-3-gallate, inhibits I $\kappa$ B kinase activation and IL-8 gene expression in respiratory epithelium. <i>Inflammation</i> , 2002, 26, 233-241.	3.8	97
22	A Hospital-wide Quality-Improvement Collaborative to Reduce Catheter-Associated Bloodstream Infections. <i>Pediatrics</i> , 2011, 128, e995-e1007.	2.1	90
23	Toward a clinically feasible gene expression-based subclassification strategy for septic shock: Proof of concept. <i>Critical Care Medicine</i> , 2010, 38, 1955-1961.	0.9	84
24	Intracellular delivery of HSP70 using HIV-1 Tat protein transduction domain. <i>Biochemical and Biophysical Research Communications</i> , 2003, 301, 54-59.	2.1	82
25	An update and review of acute kidney injury in pediatrics. <i>Pediatric Critical Care Medicine</i> , 2011, 12, 339-347.	0.5	77
26	Developing and evaluating a machine learning based algorithm to predict the need of pediatric intensive care unit transfer for newly hospitalized children. <i>Resuscitation</i> , 2014, 85, 1065-1071.	3.0	72
27	Reducing catheter-associated bloodstream infections in the pediatric intensive care unit: Business case for quality improvement. <i>Pediatric Critical Care Medicine</i> , 2010, 11, 579-587.	0.5	69
28	Mechanisms and Regulation of the Gene-Expression Response to Sepsis. <i>Pediatrics</i> , 2010, 125, 1248-1258.	2.1	64
29	Developing and evaluating the success of a family activated medical emergency team: a quality improvement report. <i>BMJ Quality and Safety</i> , 2015, 24, 203-211.	3.7	58
30	“Children are not Small Adults”. <i>The Open Inflammation Journal</i> , 2011, 4, 4-15.	0.5	58
31	Identification of candidate serum biomarkers for severe septic shock-associated kidney injury via microarray. <i>Critical Care</i> , 2011, 15, R273.	5.8	51
32	Novel Pharmacologic Approaches to the Management of Sepsis: Targeting the Host Inflammatory Response. <i>Recent Patents on Inflammation and Allergy Drug Discovery</i> , 2009, 3, 96-112.	3.6	50
33	Extracellular Heat Shock Proteins: Alarmins for the Host Immune System. <i>The Open Inflammation Journal</i> , 2011, 4, 49-60.	0.5	48
34	Theophylline versus terbutaline in treating critically ill children with status asthmaticus: A prospective, randomized, controlled trial. <i>Pediatric Critical Care Medicine</i> , 2005, 6, 142-147.	0.5	47
35	A formidable challenge. <i>Critical Care Clinics</i> , 2003, 19, 365-391.	2.6	42
36	THE GREEN TEA POLYPHENOL EPIGALLOECATECHIN-3-GALLATE IMPROVES SYSTEMIC HEMODYNAMICS AND SURVIVAL IN RODENT MODELS OF POLYMICROBIAL SEPSIS. <i>Shock</i> , 2007, 28, 353-359.	2.1	42

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37	Admission chemokine (C-C motif) ligand 4 levels predict survival in pediatric septic shock*. <i>Pediatric Critical Care Medicine</i> , 2010, 11, 213-216.	0.5	41
38	Factors prolonging length of stay in the cardiac intensive care unit following the arterial switch operation. <i>Cardiology in the Young</i> , 2008, 18, 41-50.	0.8	37
39	A Quality Improvement Collaborative for Pediatric Sepsis: Lessons Learned. <i>Pediatric Quality &amp; Safety</i> , 2018, 3, e051.	0.8	34
40	Sepsis in the Pediatric Cardiac Intensive Care Unit. <i>World Journal for Pediatric &amp; Congenital Heart Surgery</i> , 2011, 2, 393-399.	0.8	30
41	A Case-Control Study on the Impact of Ventilator-Associated Tracheobronchitis in the PICU*. <i>Pediatric Critical Care Medicine</i> , 2015, 16, 565-571.	0.5	27
42	The Evolving Model of Pediatric Critical Care Delivery in North America. <i>Pediatric Clinics of North America</i> , 2013, 60, 545-562.	1.8	25
43	Improving transitions of care between the operating room and intensive care unit. <i>Translational Pediatrics</i> , 2018, 7, 299-307.	1.2	21
44	Death to sepsis: targeting apoptosis pathways in sepsis. <i>Critical Care</i> , 2009, 13, 1010.	5.8	19
45	The association of early post-resuscitation hypotension with discharge survival following targeted temperature management for pediatric in-hospital cardiac arrest. <i>Resuscitation</i> , 2019, 141, 24-34.	3.0	17
46	Staffing and workforce issues in the pediatric intensive care unit. <i>Translational Pediatrics</i> , 2018, 7, 275-283.	1.2	16
47	The Immunomodulatory Effects of Albumin In Vitro and In Vivo. <i>Advances in Pharmacological Sciences</i> , 2011, 2011, 1-7.	3.7	14
48	Sepsis in Pediatric Cardiac Intensive Care. <i>Pediatric Critical Care Medicine</i> , 2016, 17, S266-S271.	0.5	13
49	Mass Casualty Management in a Changing World. <i>Pediatric Annals</i> , 2003, 32, 98-99.	0.8	13
50	Oxidative Stress in Critically Ill Children with Sepsis. <i>The Open Inflammation Journal</i> , 2011, 4, 74-81.	0.5	12
51	Biological activity of truncated C-terminus human heat shock protein 72. <i>Immunology Letters</i> , 2011, 135, 173-179.	2.5	12
52	Pediatric Sepsis: Preparing for the Future Against a Global Scourge. <i>Current Infectious Disease Reports</i> , 2012, 14, 503-511.	3.0	12
53	Coughing, sneezing, and aching online: Twitter and the volume of influenza-like illness in a pediatric hospital. <i>PLoS ONE</i> , 2017, 12, e0182008.	2.5	11
54	Pediatric Sepsis: Markers, Mechanisms, and Management. <i>The Open Inflammation Journal</i> , 2011, 4, 1-3.	0.5	11

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55	An unexpected increase in catheter-associated bloodstream infections at a children's hospital following introduction of the Spiros closed male connector. <i>American Journal of Infection Control</i> , 2012, 40, 48-50.	2.3	10
56	State of the Unit. <i>Pediatric Critical Care Medicine</i> , 2019, 20, e362-e365.	0.5	10
57	Late-onset respiratory distress after inhalation of laundry detergent. <i>Pediatric Pulmonology</i> , 2003, 35, 323-325.	2.0	9
58	Improving acute kidney injury diagnostics using predictive analytics. <i>Current Opinion in Critical Care</i> , 2015, 21, 473-478.	3.2	9
59	Training in pediatric critical care medicine: A survey of pediatric residency training programs. <i>Pediatric Emergency Care</i> , 2003, 19, 1-5.	0.9	8
60	Is the "golden age" of the "golden hour" in sepsis over?. <i>Critical Care</i> , 2015, 19, 447.	5.8	8
61	A Single-Center Review of Prescribing Trends and Outcomes of Corticosteroid Replacement Therapy in Critically Ill Children with Septic Shock—2010-06-18–2010-08-06–2010-09-06–!. <i>Open Critical Care Medicine Journal</i> , 2010, 3, 51-56.	0.2	8
62	Transport of the mechanically ventilated pediatric patient. <i>Respiratory Care Clinics of North America</i> , 2002, 8, 83-104.	0.5	6
63	The Impact of Catheter-Associated Urinary Tract Infection (CA-UTI) in Critically Ill Children in the Pediatric Intensive Care Unit. <i>Journal of Pediatric Intensive Care</i> , 2016, 05, 007-011.	0.8	6
64	Genetic approach to pediatric septic shock. <i>Personalized Medicine</i> , 2008, 5, 249-263.	1.5	4
65	An Infant With Fever and Stridor. <i>Pediatric Emergency Care</i> , 2008, 24, 46-49.	0.9	4
66	A Changing Workforce for the Changing Needs of Critically Ill Children in the United States and Canada*. <i>Pediatric Critical Care Medicine</i> , 2015, 16, 791-792.	0.5	3
67	Diurnal Variation in Medical Emergency Team Calls at a Tertiary Care Children's Hospital. <i>Pediatric Quality &amp; Safety</i> , 2020, 5, e341.	0.8	3
68	Surgical ligation of a residually patent arterial duct following failed occlusion using transcatheter coils. <i>Cardiology in the Young</i> , 2003, 13, 574-575.	0.8	2
69	Cerebrospinal fluid levels of extracellular heat shock protein 72: A potential biomarker for bacterial meningitis in children. <i>Journal of Pediatric Intensive Care</i> , 2015, 03, 023-028.	0.8	2
70	Do you know how much it costs?. <i>Intensive Care Medicine</i> , 2015, 41, 1454-1456.	8.2	2
71	A Tale of Two Sisters. <i>Pediatric Emergency Care</i> , 2006, 22, 197-200.	0.9	1
72	Care of the Critically Ill Pediatric Patient. <i>Pediatric Clinics of North America</i> , 2013, 60, xv-xvi.	1.8	1

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73	The authors reply. Critical Care Medicine, 2015, 43, e591-e592.	0.9	1
74	Organization-wide approaches to patient safety. Innovation and Entrepreneurship in Health, 2015, , 49.	2.0	1
75	Flint. Current Treatment Options in Pediatrics, 2016, 2, 53-55.	0.6	1
76	Thomas Jefferson, Steroids, and Sepsis*. Pediatric Critical Care Medicine, 2017, 18, 905-906.	0.5	1
77	One More Chasm to Cross for Telemedicine in the ICU?*. Pediatric Critical Care Medicine, 2018, 19, 1180-1181.	0.5	1
78	Once more unto the breach, dear friends, once more. World Journal of Critical Care Medicine, 2012, 1, 1.	1.8	1
79	Surgical ligation of a residually patent arterial duct following failed occlusion using transcatheter coils. Cardiology in the Young, 2003, 13, 574-5.	0.8	1
80	Hospitalists and Intensivists: "Just Like Peas and Carrots"   Current Treatment Options in Pediatrics, 2015, 1, 1-3.	0.6	0
81	The extracellular stress response to pediatric cardiopulmonary bypass. Journal of Pediatric Intensive Care, 2015, 03, 009-016.	0.8	0
82	Ventilator-Associated Respiratory Infections. Pediatric Critical Care Medicine, 2016, 17, 361-363.	0.5	0
83	The author replies. Pediatric Critical Care Medicine, 2016, 17, 98-99.	0.5	0
84	Four Walls Should Not Define an ICU*. Pediatric Critical Care Medicine, 2020, 21, 504-505.	0.5	0
85	A day in the life. Translational Pediatrics, 2018, 7, 242-245.	1.2	0