

# Steven A. Conrad

## List of Publications by Year in descending order

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126  
papers

5,956  
citations

109321

35  
h-index

74163

75  
g-index

134  
all docs

134  
docs citations

134  
times ranked

5567  
citing authors

#	ARTICLE	IF	CITATIONS
1	Extracorporeal Life Support Organization Registry International Report 2016. ASAIO Journal, 2017, 63, 60-67.	1.6	713
2	Extracorporeal Life Support Organization Registry Report 2012. ASAIO Journal, 2013, 59, 202-210.	1.6	577
3	Characterization of Peripheral Circadian Clocks in Adipose Tissues. Diabetes, 2006, 55, 962-970.	0.6	443
4	Position Paper for the Organization of Extracorporeal Membrane Oxygenation Programs for Acute Respiratory Failure in Adult Patients. American Journal of Respiratory and Critical Care Medicine, 2014, 190, 488-496.	5.6	400
5	Infections acquired during extracorporeal membrane oxygenation in neonates, children, and adults*. Pediatric Critical Care Medicine, 2011, 12, 277-281.	0.5	269
6	Extracorporeal Life Support Registry Report 2004. ASAIO Journal, 2005, 51, 4-10.	1.6	258
7	Cardiovascular and metabolic response to red blood cell transfusion in critically ill volume-resuscitated nonsurgical patients. Critical Care Medicine, 1990, 18, 940-944.	0.9	167
8	The Extracorporeal Life Support Organization Maastricht Treaty for Nomenclature in Extracorporeal Life Support. A Position Paper of the Extracorporeal Life Support Organization. American Journal of Respiratory and Critical Care Medicine, 2018, 198, 447-451.	5.6	165
9	Randomized, double-blind comparison of immediate-release omeprazole oral suspension versus intravenous cimetidine for the prevention of upper gastrointestinal bleeding in critically ill patients. Critical Care Medicine, 2005, 33, 760-765.	0.9	142
10	Resuscitation with balanced electrolyte solution prevents hyperchloremic metabolic acidosis in patients with diabetic ketoacidosis. American Journal of Emergency Medicine, 2011, 29, 670-674.	1.6	133
11	The Changing Demographics of Neonatal Extracorporeal Membrane Oxygenation Patients Reported to the Extracorporeal Life Support Organization (ELSO) Registry. Pediatrics, 2000, 106, 1334-1338.	2.1	118
12	Circadian Clocks Are Resounding in Peripheral Tissues. PLoS Computational Biology, 2006, 2, e16.	3.2	117
13	Partial Liquid Ventilation in Adult Patients With ARDS. Annals of Surgery, 1998, 228, 692-700.	4.2	101
14	Percutaneous Cannulation for Extracorporeal Membrane Oxygenation by Intensivists. Critical Care Medicine, 2015, 43, 1010-1015.	0.9	95
15	Liposomal prostaglandin E sub 1 in acute respiratory distress syndrome. Critical Care Medicine, 1996, 24, 10-15.	0.9	94
16	Total extracorporeal arteriovenous carbon dioxide removal in acute respiratory failure: a phase I clinical study. Intensive Care Medicine, 2001, 27, 1340-1351.	8.2	91
17	Circadian Oscillation of Gene Expression in Murine Calvarial Bone. Journal of Bone and Mineral Research, 2007, 22, 357-365.	2.8	91
18	Percutaneous extracorporeal arteriovenous CO2 removal for severe respiratory failure. Annals of Thoracic Surgery, 1999, 68, 181-187.	1.3	90

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19	Obesity Exacerbates Sepsis-Induced Inflammation and Microvascular Dysfunction in Mouse Brain. <i>Microcirculation</i> , 2005, 12, 183-194.	1.8	83
20	Protective effects of low respiratory frequency in experimental ventilator-associated lung injury*. <i>Critical Care Medicine</i> , 2005, 33, 835-840.	0.9	82
21	The One Best Test for Evaluating the Effects of Bronchodilator Therapy. <i>Chest</i> , 1977, 72, 512-516.	0.8	77
22	Use of therapeutic plasma exchange as a rescue therapy in 2009 pH1N1 influenza A-associated respiratory failure and hemodynamic shock. <i>Pediatric Critical Care Medicine</i> , 2011, 12, e87-e89.	0.5	72
23	The ELSO Maastricht Treaty for ECLS Nomenclature: abbreviations for cannulation configuration in extracorporeal life support - a position paper of the Extracorporeal Life Support Organization. <i>Critical Care</i> , 2019, 23, 36.	5.8	70
24	Update on extracorporeal life support 2004. <i>Seminars in Perinatology</i> , 2005, 29, 24-33.	2.5	63
25	Short- vs long-axis approach to ultrasound-guided peripheral intravenous access: a prospective randomized study. <i>American Journal of Emergency Medicine</i> , 2011, 29, 1194-1197.	1.6	61
26	Major Findings from the Clinical Trials of the Intravascular Oxygenator. <i>Artificial Organs</i> , 1994, 18, 846-863.	1.9	60
27	Early enteral feedings in adults receiving venovenous extracorporeal membrane oxygenation. <i>Journal of Parenteral and Enteral Nutrition</i> , 2004, 28, 295-300.	2.6	59
28	Results of a Prospective Statewide Reporting System for Infective Endocarditis. <i>American Journal of the Medical Sciences</i> , 1988, 295, 517-527.	1.1	51
29	Extracorporeal membrane oxygenation for refractory cardiac arrest. <i>Annals of Cardiac Anaesthesia</i> , 2017, 20, 4.	0.6	51
30	Sepsis associated encephalopathy (SAE): a review. <i>Frontiers in Bioscience - Landmark</i> , 2004, 9, 1637.	3.0	47
31	Extracorporeal life support in the emergency department: A narrative review for the emergency physician. <i>Resuscitation</i> , 2018, 133, 108-117.	3.0	45
32	Prolonged Intracorporeal Support of Gas Exchange with an Intravenacaval Oxygenator. <i>Chest</i> , 1993, 103, 158-161.	0.8	44
33	Aspiration of Activated Charcoal Elicits an Increase in Lung Microvascular Permeability. <i>Journal of Toxicology: Clinical Toxicology</i> , 1999, 37, 9-16.	1.5	41
34	Near-fatal pediatric asthma managed with pumpless arteriovenous carbon dioxide removal*. <i>Critical Care Medicine</i> , 2007, 35, 2624-2629.	0.9	40
35	Effects of Labetalol in Hypertensive Patients with Chronic Obstructive Pulmonary Disease. <i>Chest</i> , 1983, 83, 457-460.	0.8	37
36	Acute upper gastrointestinal bleeding in critically ill patients: Causes and treatment modalities. <i>Critical Care Medicine</i> , 2002, 30, S365-S368.	0.9	36

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37	Near-infrared spectroscopy: a tool to monitor cerebral hemodynamic and metabolic changes after cardiac arrest in rats. <i>Resuscitation</i> , 2004, 63, 213-220.	3.0	35
38	Alterations in the Microbial Flora and in the Incidence of Bacteremia at a University Hospital after Adoption of Amikacin as the Sole Formulary Aminoglycoside. <i>Clinical Infectious Diseases</i> , 1992, 14, 908-915.	5.8	34
39	International and Specialty Trends in the Use of Prophylactic Antibiotics to Prevent Infectious Complications after Insertion of External Ventricular Drainage Devices. <i>Neurocritical Care</i> , 2010, 12, 220-224.	2.4	33
40	Microbial Contamination of Arterial Infusions Used for Hemodynamic Monitoring: A Randomized Trial of Contamination with Sampling through Conventional Stopcocks versus a Novel Closed System. <i>Infection Control and Hospital Epidemiology</i> , 1989, 10, 557-561.	1.8	31
41	Arteriovenous Extracorporeal Carbon Dioxide Removal A Mathematical Model and Experimental Evaluation. <i>ASAIO Journal</i> , 1998, 44, 267-277.	1.6	30
42	Preoperative core muscle index in combination with hypoalbuminemia is associated with poor prognosis in advanced ovarian cancer. <i>Journal of Surgical Oncology</i> , 2018, 117, 1020-1028.	1.7	30
43	Apnea testing for the determination of brain death: a modified protocol. <i>Journal of Neurosurgery</i> , 1992, 76, 1029-1031.	1.6	29
44	Mild Hypothermia Induced before Cardiac Arrest Reduces Brain Edema Formation in Rats. <i>Academic Emergency Medicine</i> , 2002, 9, 105-114.	1.8	29
45	Correlation and regression analysis. <i>Annals of Allergy, Asthma and Immunology</i> , 2009, 103, S35-S41.	1.0	29
46	Ultrasound-Guided Peripheral Intravenous Access in the Emergency Department Using a Modified Seldinger Technique. <i>Journal of Emergency Medicine</i> , 2010, 39, 325-329.	0.7	29
47	Cerebral Cortical Aquaporin-4 Expression in Brain Edema following Cardiac Arrest in Rats. <i>Academic Emergency Medicine</i> , 2004, 11, 1001-1007.	1.8	25
48	Effects of Gas Leak Around Endotracheal Tubes on Indirect Calorimetry Measurement. <i>Journal of Parenteral and Enteral Nutrition</i> , 1990, 14, 408-413.	2.6	24
49	Heparin-induced thrombocytopenia in a pediatric patient receiving extracorporeal membrane oxygenation managed with argatroban???. <i>Pediatric Critical Care Medicine</i> , 2006, 7, 473-475.	0.5	24
50	The Residual Central Venous Catheter Track - An Occult Source of Lethal Air Embolism. <i>Journal of Trauma</i> , 1991, 31, 1558-1560.	2.3	23
51	In Vivo Gas Transfer Performance of the Intravascular Oxygenator in Acute Respiratory Failure. <i>Artificial Organs</i> , 1994, 18, 840-845.	1.9	22
52	Extracorporeal Life Support 1997. <i>ASAIO Journal</i> , 1998, 44, 848-852.	1.6	22
53	Mild Hypothermia Induced before Cardiac Arrest Reduces Brain Edema Formation in Rats. <i>Academic Emergency Medicine</i> , 2002, 9, 105-114.	1.8	22
54	Comparison of the Immunogenicity of Hepatitis B Vaccine Administered Intradermally and Intramuscularly. <i>Clinical Infectious Diseases</i> , 1990, 12, 1035-1043.	5.8	20

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55	Evaluation of Recirculation During Venovenous Extracorporeal Membrane Oxygenation Using Computational Fluid Dynamics Incorporating Fluid-Structure Interaction. <i>ASAIO Journal</i> , 2021, 67, 943-953.	1.6	20
56	Endocarditis Caused by <i>Staphylococcus xylosum</i> Associated with Intravenous Drug Abuse. <i>Journal of Infectious Diseases</i> , 1984, 149, 826-827.	4.0	19
57	Effect of ifenprodil, a polyamine site NMDA receptor antagonist, on brain edema formation following asphyxial cardiac arrest in rats. <i>Resuscitation</i> , 2004, 61, 209-219.	3.0	19
58	Agitation and/or aggression after traumatic brain injury in the pediatric population treated with ziprasidone. <i>Journal of Neurosurgery: Pediatrics</i> , 2009, 3, 484-487.	1.3	18
59	Arteriovenous carbon dioxide removal: development and impact on ventilator management and survival during severe respiratory failure. <i>Perfusion (United Kingdom)</i> , 1999, 14, 299-310.	1.0	17
60	Continuous Renal Replacement Therapies: A Brief Primer for the Neurointensivist. <i>Neurocritical Care</i> , 2010, 13, 286-294.	2.4	17
61	The Evolving Role of Hemodilution in Treatment of Cerebral Vasospasm: A Historical Perspective. <i>World Neurosurgery</i> , 2011, 75, 660-664.	1.3	16
62	Heparin-induced thrombocytopenia in a pediatric patient receiving extracorporeal support and treated with argatroban. <i>Pediatric Critical Care Medicine</i> , 2006, 7, 255-257.	0.5	15
63	Comparison of the Effects of Labetalol and Hydrochlorothiazide on the Ventilatory Function of Hypertensive Patients with Asthma and Propranolol Sensitivity. <i>Chest</i> , 1985, 88, 815-818.	0.8	14
64	Intravenacaval Membrane Oxygenation and Carbon Dioxide Removal in Severe Acute Respiratory Failure. <i>Chest</i> , 1995, 107, 1689-1697.	0.8	14
65	Wnt/ $\beta$ -catenin signaling pathway and thioredoxin-interacting protein (TXNIP) mediate the glucose sensor mechanism in metastatic breast cancer-derived cells MDA-MB-231. <i>Journal of Cellular Physiology</i> , 2012, 227, 578-586.	4.1	13
66	On the Academic Value of 30 Years of the Extracorporeal Life Support Organization Registry. <i>ASAIO Journal</i> , 2021, 67, 1-3.	1.6	13
67	RESPIRATORY FAILURE FROM INHALATIONAL NICKEL CARBONYL EXPOSURE TREATED WITH CONTINUOUS HIGH-VOLUME HEMOFILTRATION AND DISULFIRAM. <i>Inhalation Toxicology</i> , 2002, 14, 1103-1109.	1.6	12
68	Microbial Contamination of Arterial Infusions Used for Hemodynamic Monitoring: A Randomized Trial of Contamination with Sampling through Conventional Stopcocks versus a Novel Closed System. <i>Infection Control and Hospital Epidemiology</i> , 1989, 10, 557-561.	1.8	12
69	Inflow stenosis obscures recognition of outflow stenosis by dialysis venous pressure: analysis by a mathematical model. <i>Nephrology Dialysis Transplantation</i> , 2008, 23, 3966-3971.	0.7	11
70	Cerebral Cortical Aquaporin-4 Expression in Brain Edema following Cardiac Arrest in Rats. <i>Academic Emergency Medicine</i> , 2004, 11, 1001-1007.	1.8	11
71	Diastolic collapse of the left and right ventricles in cardiac tamponade. <i>American Heart Journal</i> , 1988, 115, 475-478.	2.7	10
72	Use of Supercritical Fluid Extraction as a Method of Cleaning Anterior Cruciate Ligament Prostheses In Vitro and In Vivo Validation. <i>ASAIO Journal</i> , 1998, 44, 278-288.	1.6	10

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73	Pressure-Controlled Ventilation Attenuates Lung Microvascular Injury in a Rat Model of Activated Charcoal Aspiration. <i>Journal of Toxicology: Clinical Toxicology</i> , 2003, 41, 119-124.	1.5	10
74	Brain RNA expression in obese vs lean mice after LPS-induced systemic inflammation. <i>Frontiers in Bioscience - Landmark</i> , 2004, 9, 2686.	3.0	10
75	Physiologic Improvement in Respiratory Acidosis Using Extracorporeal Co 2 Removal With Hemolung Respiratory Assist System in the Management of Severe Respiratory Failure From Coronavirus Disease 2019. , 2021, 3, e0372.		10
76	Clinical Sobriety Assessment by Emergency Physicians in Blunt Trauma Patients with Acute Alcohol Exposure. <i>Journal of Emergency Medicine</i> , 2010, 39, 685-690.	0.7	7
77	Management of the acute respiratory distress syndrome. <i>Chest Surgery Clinics of North America</i> , 2002, 12, 325-354.	0.7	6
78	Differential RNA expression of hepatic tissue in lean and obese mice after LPS-induced systemic inflammation. <i>Frontiers in Bioscience - Landmark</i> , 2005, 10, 1828.	3.0	6
79	Fulminant Meningococcal Sepsis: Localized Outbreak of Three Patients Treated with Therapeutic Plasma Exchange by Membrane Filtration. <i>Blood Purification</i> , 2010, 30, 108-110.	1.8	6
80	A Computational Simulation of the Effect of Hemodilution on Oxygen Transport in Middle Cerebral Artery Vasospasm. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2011, 31, 2209-2217.	4.3	6
81	Advances in the Management of Respiratory Failure Advanced Strategies for Mechanical Ventilation in Severe Acute Respiratory Failure. <i>ASAIO Journal</i> , 1996, 42, 204-206.	1.6	5
82	Analysis of Pressure Losses in the Hemodialysis Graft Vascular Circuit Using Finite Element Analysis. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2007, 2007, 998-1001.	0.5	5
83	Right ventricular volumetric measurements: New tricks for an old dog. <i>Critical Care Medicine</i> , 2001, 29, 1081-1082.	0.9	5
84	Emergency Department Activation of Interventional Cardiology to Reduce Door-to-Balloon Time. <i>Western Journal of Emergency Medicine</i> , 2010, 11, 363-6.	1.1	5
85	Accuracy of flexible fiberoptic endoscopy in identifying abnormal endotracheal tube positions. <i>Pediatric Emergency Care</i> , 1990, 6, 257-259.	0.9	4
86	Bolus thrombolytic infusion during prolonged refractory cardiac arrest of undiagnosed cause. <i>Emergency Medicine Journal</i> , 2006, 23, e19-e19.	1.0	4
87	Extracorporeal Membrane Oxygenation in Critical Care: Past, Present, and Future. <i>Journal of Cardiac Critical Care TSS</i> , 2017, 01, 60-64.	0.1	4
88	Lazarus phenomenon in trauma. <i>Trauma Case Reports</i> , 2020, 25, 100280.	0.4	4
89	Relative Value of Tests Used to Measure Bronchodilator Response. <i>Chest</i> , 1978, 73, 989-990.	0.8	3
90	Arteriovenous Carbon Dioxide Removal. <i>ASAIO Journal</i> , 1998, 44, 223.	1.6	3

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91	Extracorporeal carbon dioxide removal to control arterial pH and PACO <sub>2</sub> in a heart-beating donor with acute lung injury. <i>Transplantation</i> , 2003, 76, 1630-1632.	1.0	2
92	Extracorporeal Carbon Dioxide Removal in the Management of Complex Bilateral Flail Chest Injury. <i>ASAIO Journal</i> , 2019, 65, e75-e77.	1.6	2
93	Computer Assistance in Assessment and Management of Mechanical Ventilation. , 1980, , 69-78.		2
94	A Complex Number Facility for the C Programming Language. <i>IEEE Transactions on Biomedical Engineering</i> , 1982, BME-29, 145-146.	4.2	1
95	Optimal Dose of Fenoterol by Metered-Dose Inhaler in Asthmatic Adults. <i>Chest</i> , 1986, 89, 394-397.	0.8	1
96	Using Intranet Technology in the ICU. <i>Nursing Management</i> , 1997, 28, 34-37.	0.4	1
97	MULTIPHYSICS FINITE ELEMENT MODEL OF SMALL SOLUTE TRANSPORT IN HOLLOW FIBER HEMOFILTER MEMBRANES. <i>ASAIO Journal</i> , 2002, 48, 177.	1.6	1
98	Database Technology for Global Support of a Medical Registry. <i>Journal of Database Management</i> , 2002, 13, 62-73.	1.5	1
99	Research study design. <i>Annals of Allergy, Asthma and Immunology</i> , 2009, 103, S4-S8.	1.0	1
100	Statistical software programs. <i>Annals of Allergy, Asthma and Immunology</i> , 2009, 103, S51-S56.	1.0	1
101	Persistent hypoxemia on ECMO. <i>Qatar Medical Journal</i> , 2017, 2017, 18.	0.5	1
102	Dialysis in disaster: Using continuous renal replacement therapy for end-stage renal disease patients, a pilot proof of concept study. <i>American Journal of Emergency Medicine</i> , 2022, 58, 351.e1-351.e2.	1.6	1
103	Technique for circuit exchange in high-risk patients on extracorporeal life support. <i>Perfusion (United Kingdom)</i> 1 0.784314 1.0	1.0	1
104	Tests of Bronchodilator Therapy. <i>Chest</i> , 1978, 73, 890.	0.8	0
105	The Alveolar Gas Equation. <i>Chest</i> , 1982, 82, 388-389.	0.8	0
106	The Selective and Comprehensive Testing of Adult Pulmonary Function. <i>Archives of Internal Medicine</i> , 1984, 144, 1129.	3.8	0
107	Advances in the Management of Respiratory Failure. <i>ASAIO Journal</i> , 1996, 42, 204-206.	1.6	0
108	Correct Conclusions, but Doubtful Implications. <i>Critical Care Medicine</i> , 2005, 33, 1892.	0.9	0

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109	Correct Conclusions, but Doubtful Implications. <i>Critical Care Medicine</i> , 2005, 33, 1891-1892.	0.9	0
110	SOLUTE CLEARANCE DURING CRRT: ANALYSIS WITH A FINITE ELEMENT MODEL. <i>ASAIO Journal</i> , 2006, 52, 18A.	1.6	0
111	Comment: Proton Pump Inhibitor Formulary Considerations in the Acutely Ill. Part 1: Pharmacology, Pharmacodynamics, and Available Formulations. <i>Annals of Pharmacotherapy</i> , 2006, 40, 997-997.	1.9	0
112	Measurements of outcome. <i>Annals of Allergy, Asthma and Immunology</i> , 2009, 103, S42-S50.	1.0	0
113	Neurally Adjusted Ventilatory Assist (NAVA) Ventilation in the Management of Severe Refractory <i>Pneumocystis jirovecii</i> Pneumonia. <i>Chest</i> , 2013, 144, 320A.	0.8	0
114	1290. <i>Critical Care Medicine</i> , 2013, 41, A332.	0.9	0
115	The authors reply. <i>Critical Care Medicine</i> , 2015, 43, e595-e596.	0.9	0
116	Factors influencing primary treatment of midline vulvar cancers. <i>Gynecologic Oncology</i> , 2016, 142, 133-138.	1.4	0
117	Simulation of Pressure Losses in a Hemodialysis Graft Circuit with Computational Fluid Dynamics. , 2016, , .		0
118	Defining Sarcopenia in Advanced Ovarian Cancer Patients [15P]. <i>Obstetrics and Gynecology</i> , 2016, 127, 135S.	2.4	0
119	Painting a Fuller Picture*. <i>Critical Care Medicine</i> , 2019, 47, 1459-1460.	0.9	0
120	THE ADRENAL CELL CORTISOL PRODUCTION, AND RESPONSE TO ACTH STIMULATION, IN A SEPSIS AND A HYPERGLYCEMIC MILIEU.. <i>Critical Care Medicine</i> , 2006, 34, A29.	0.9	0
121	Focused Echocardiography in the ICU. , 2010, , 139-181.		0
122	Abstract 3141: Hyperglycemia modulates the Wnt /b-catenin signaling pathway in breast cancer. , 2010, , .		0
123	Extracorporeal Membrane Oxygenation: Past, Present and Future. , 0, , 7-7.		0
124	A New Concept of the Forced Expiratory Spirogram and the Effort Independent Portion of the Flow-Volume Loop. A Computer Analysis. , 1980, , 347-373.		0
125	Vascular Access for ECLS. <i>Respiratory Medicine</i> , 2016, , 133-146.	0.1	0
126	Extracorporeal Carbon Dioxide Removal: From Bench to Bedside and Back*. <i>Critical Care Medicine</i> , 2020, 48, 1924-1925.	0.9	0