

# 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	Dialysis in disaster: Using continuous renal replacement therapy for end-stage renal disease patients, a pilot proof of concept study. American Journal of Emergency Medicine, 2022, 58, 351.e1-351.e2.	1.6	1
2	Technique for circuit exchange in high-risk patients on extracorporeal life support. Perfusion (United) Tj ETQq0 0 0 ggBT /Overlock 10 Tf 150	1.6	1
3	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
4	Evaluation of Recirculation During Venovenous Extracorporeal Membrane Oxygenation Using Computational Fluid Dynamics Incorporating Fluid-Structure Interaction. ASAIO Journal, 2021, 67, 943-953.	1.6	20
5	On the Academic Value of 30 Years of the Extracorporeal Life Support Organization Registry. ASAIO Journal, 2021, 67, 1-3.	1.6	13
6	Lazarus phenomenon in trauma. Trauma Case Reports, 2020, 25, 100280.	0.4	4
7	Extracorporeal Carbon Dioxide Removal: From Bench to Bedside and Back*. Critical Care Medicine, 2020, 48, 1924-1925.	0.9	0
8	The ELSO Maastricht Treaty for ECLS Nomenclature: abbreviations for cannulation configuration in extracorporeal life support - a position paper of the Extracorporeal Life Support Organization. Critical Care, 2019, 23, 36.	5.8	70
9	Painting a Fuller Picture*. Critical Care Medicine, 2019, 47, 1459-1460.	0.9	0
10	Extracorporeal Carbon Dioxide Removal in the Management of Complex Bilateral Flail Chest Injury. ASAIO Journal, 2019, 65, e75-e77.	1.6	2
11	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
12	Preoperative core muscle index in combination with hypoalbuminemia is associated with poor prognosis in advanced ovarian cancer. Journal of Surgical Oncology, 2018, 117, 1020-1028.	1.7	30
13	Extracorporeal life support in the emergency department: A narrative review for the emergency physician. Resuscitation, 2018, 133, 108-117.	3.0	45
14	Extracorporeal Life Support Organization Registry International Report 2016. ASAIO Journal, 2017, 63, 60-67.	1.6	713
15	Extracorporeal Membrane Oxygenation in Critical Care: Past, Present, and Future. Journal of Cardiac Critical Care TSS, 2017, 01, 60-64.	0.1	4
16	Persistent hypoxemia on ECMO. Qatar Medical Journal, 2017, 2017, 18.	0.5	1
17	Extracorporeal membrane oxygenation for refractory cardiac arrest. Annals of Cardiac Anaesthesia, 2017, 20, 4.	0.6	51
18	Factors influencing primary treatment of midline vulvar cancers. Gynecologic Oncology, 2016, 142, 133-138.	1.4	0

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19	Simulation of Pressure Losses in a Hemodialysis Graft Circuit with Computational Fluid Dynamics. , 2016, , .		0
20	Defining Sarcopenia in Advanced Ovarian Cancer Patients [15P]. Obstetrics and Gynecology, 2016, 127, 135S.	2.4	0
21	Vascular Access for ECLS. Respiratory Medicine, 2016, , 133-146.	0.1	0
22	The authors reply. Critical Care Medicine, 2015, 43, e595-e596.	0.9	0
23	Percutaneous Cannulation for Extracorporeal Membrane Oxygenation by Intensivists. Critical Care Medicine, 2015, 43, 1010-1015.	0.9	95
24	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
25	Extracorporeal Life Support Organization Registry Report 2012. ASAIO Journal, 2013, 59, 202-210.	1.6	577
26	Neurally Adjusted Ventilatory Assist (NAVA) Ventilation in the Management of Severe Refractory Pneumocystis jirovecii Pneumonia. Chest, 2013, 144, 320A.	0.8	0
27	1290. Critical Care Medicine, 2013, 41, A332.	0.9	0
28	Wnt/ $\beta$ -catenin signaling pathway and thioredoxin-interacting protein (TXNIP) mediate the glucose sensor-mechanism in metastatic breast cancer-derived cells MDA-MB-231. Journal of Cellular Physiology, 2012, 227, 578-586.	4.1	13
29	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
30	Short- vs long-axis approach to ultrasound-guided peripheral intravenous access: a prospective randomized study. American Journal of Emergency Medicine, 2011, 29, 1194-1197.	1.6	61
31	Infections acquired during extracorporeal membrane oxygenation in neonates, children, and adults*. Pediatric Critical Care Medicine, 2011, 12, 277-281.	0.5	269
32	Use of therapeutic plasma exchange as a rescue therapy in 2009 pH1N1 influenza A-associated respiratory failure and hemodynamic shock. Pediatric Critical Care Medicine, 2011, 12, e87-e89.	0.5	72
33	The Evolving Role of Hemodilution in Treatment of Cerebral Vasospasm: A Historical Perspective. World Neurosurgery, 2011, 75, 660-664.	1.3	16
34	A Computational Simulation of the Effect of Hemodilution on Oxygen Transport in Middle Cerebral Artery Vasospasm. Journal of Cerebral Blood Flow and Metabolism, 2011, 31, 2209-2217.	4.3	6
35	International and Specialty Trends in the Use of Prophylactic Antibiotics to Prevent Infectious Complications after Insertion of External Ventricular Drainage Devices. Neurocritical Care, 2010, 12, 220-224.	2.4	33
36	Continuous Renal Replacement Therapies: A Brief Primer for the Neurointensivist. Neurocritical Care, 2010, 13, 286-294.	2.4	17

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37	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
38	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
39	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
40	Focused Echocardiography in the ICU. , 2010, , 139-181.		0
41	Abstract 3141: Hyperglycemia modulates the Wnt /b-catenin signaling pathway in breast cancer. , 2010, , .		0
42	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
43	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
44	Research study design. <i>Annals of Allergy, Asthma and Immunology</i> , 2009, 103, S4-S8.	1.0	1
45	Statistical software programs. <i>Annals of Allergy, Asthma and Immunology</i> , 2009, 103, S51-S56.	1.0	1
46	Measurements of outcome. <i>Annals of Allergy, Asthma and Immunology</i> , 2009, 103, S42-S50.	1.0	0
47	Correlation and regression analysis. <i>Annals of Allergy, Asthma and Immunology</i> , 2009, 103, S35-S41.	1.0	29
48	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
49	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
50	Near-fatal pediatric asthma managed with pumpless arteriovenous carbon dioxide removal*. <i>Critical Care Medicine</i> , 2007, 35, 2624-2629.	0.9	40
51	Circadian Oscillation of Gene Expression in Murine Calvarial Bone. <i>Journal of Bone and Mineral Research</i> , 2007, 22, 357-365.	2.8	91
52	SOLUTE CLEARANCE DURING CRRT: ANALYSIS WITH A FINITE ELEMENT MODEL. <i>ASAIO Journal</i> , 2006, 52, 18A.	1.6	0
53	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
54	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

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55	Circadian Clocks Are Resounding in Peripheral Tissues. <i>PLoS Computational Biology</i> , 2006, 2, e16.	3.2	117
56	Bolus thrombolytic infusion during prolonged refractory cardiac arrest of undiagnosed cause. <i>Emergency Medicine Journal</i> , 2006, 23, e19-e19.	1.0	4
57	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
58	Characterization of Peripheral Circadian Clocks in Adipose Tissues. <i>Diabetes</i> , 2006, 55, 962-970.	0.6	443
59	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
60	Randomized, double-blind comparison of immediate-release omeprazole oral suspension versus intravenous cimetidine for the prevention of upper gastrointestinal bleeding in critically ill patients. <i>Critical Care Medicine</i> , 2005, 33, 760-765.	0.9	142
61	Extracorporeal Life Support Registry Report 2004. <i>ASAIO Journal</i> , 2005, 51, 4-10.	1.6	258
62	Correct Conclusions, but Doubtful Implications. <i>Critical Care Medicine</i> , 2005, 33, 1892.	0.9	0
63	Correct Conclusions, but Doubtful Implications. <i>Critical Care Medicine</i> , 2005, 33, 1891-1892.	0.9	0
64	Protective effects of low respiratory frequency in experimental ventilator-associated lung injury*. <i>Critical Care Medicine</i> , 2005, 33, 835-840.	0.9	82
65	Obesity Exacerbates Sepsis-Induced Inflammation and Microvascular Dysfunction in Mouse Brain. <i>Microcirculation</i> , 2005, 12, 183-194.	1.8	83
66	Update on extracorporeal life support 2004. <i>Seminars in Perinatology</i> , 2005, 29, 24-33.	2.5	63
67	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
68	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
69	Sepsis associated encephalopathy (SAE): a review. <i>Frontiers in Bioscience - Landmark</i> , 2004, 9, 1637.	3.0	47
70	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
71	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
72	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

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73	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
74	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
75	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
76	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
77	Acute upper gastrointestinal bleeding in critically ill patients: Causes and treatment modalities. <i>Critical Care Medicine</i> , 2002, 30, S365-S368.	0.9	36
78	MULTIPHYSICS FINITE ELEMENT MODEL OF SMALL SOLUTE TRANSPORT IN HOLLOW FIBER HEMOFILTER MEMBRANES. <i>ASAIO Journal</i> , 2002, 48, 177.	1.6	1
79	Management of the acute respiratory distress syndrome. <i>Chest Surgery Clinics of North America</i> , 2002, 12, 325-354.	0.7	6
80	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
81	Database Technology for Global Support of a Medical Registry. <i>Journal of Database Management</i> , 2002, 13, 62-73.	1.5	1
82	Mild Hypothermia Induced before Cardiac Arrest Reduces Brain Edema Formation in Rats. <i>Academic Emergency Medicine</i> , 2002, 9, 105-114.	1.8	29
83	Mild Hypothermia Induced before Cardiac Arrest Reduces Brain Edema Formation in Rats. <i>Academic Emergency Medicine</i> , 2002, 9, 105-114.	1.8	22
84	Total extracorporeal arteriovenous carbon dioxide removal in acute respiratory failure: a phase I clinical study. <i>Intensive Care Medicine</i> , 2001, 27, 1340-1351.	8.2	91
85	Right ventricular volumetric measurements: New tricks for an old dog. <i>Critical Care Medicine</i> , 2001, 29, 1081-1082.	0.9	5
86	The Changing Demographics of Neonatal Extracorporeal Membrane Oxygenation Patients Reported to the Extracorporeal Life Support Organization (ELSO) Registry. <i>Pediatrics</i> , 2000, 106, 1334-1338.	2.1	118
87	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
88	Percutaneous extracorporeal arteriovenous CO <sub>2</sub> removal for severe respiratory failure. <i>Annals of Thoracic Surgery</i> , 1999, 68, 181-187.	1.3	90
89	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
90	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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91	Arteriovenous Carbon Dioxide Removal. ASAIO Journal, 1998, 44, 223.	1.6	3
92	Arteriovenous Extracorporeal Carbon Dioxide Removal A Mathematical Model and Experimental Evaluation. ASAIO Journal, 1998, 44, 267-277.	1.6	30
93	Extracorporeal Life Support 1997. ASAIO Journal, 1998, 44, 848-852.	1.6	22
94	Partial Liquid Ventilation in Adult Patients With ARDS. Annals of Surgery, 1998, 228, 692-700.	4.2	101
95	Using Intranet Technology in the ICU. Nursing Management, 1997, 28, 34-37.	0.4	1
96	Advances in the Management of Respiratory Failure. ASAIO Journal, 1996, 42, 204-206.	1.6	0
97	Advances in the Management of Respiratory Failure Advanced Strategies for Mechanical Ventilation in Severe Acute Respiratory Failure. ASAIO Journal, 1996, 42, 204-206.	1.6	5
98	Liposomal prostaglandin E sub 1 in acute respiratory distress syndrome. Critical Care Medicine, 1996, 24, 10-15.	0.9	94
99	Intravenacaval Membrane Oxygenation and Carbon Dioxide Removal in Severe Acute Respiratory Failure. Chest, 1995, 107, 1689-1697.	0.8	14
100	In Vivo Gas Transfer Performance of the Intravascular Oxygenator in Acute Respiratory Failure. Artificial Organs, 1994, 18, 840-845.	1.9	22
101	Major Findings from the Clinical Trials of the Intravascular Oxygenator. Artificial Organs, 1994, 18, 846-863.	1.9	60
102	Prolonged Intracorporeal Support of Gas Exchange with an Intravenacaval Oxygenator. Chest, 1993, 103, 158-161.	0.8	44
103	Alterations in the Microbial Flora and in the Incidence of Bacteremia at a University Hospital after Adoption of Amikacin as the Sole Formulary Aminoglycoside. Clinical Infectious Diseases, 1992, 14, 908-915.	5.8	34
104	Apnea testing for the determination of brain death: a modified protocol. Journal of Neurosurgery, 1992, 76, 1029-1031.	1.6	29
105	The Residual Central Venous Catheter Track - An Occult Source of Lethal Air Embolism. Journal of Trauma, 1991, 31, 1558-1560.	2.3	23
106	Accuracy of flexible fiberoptic endoscopy in identifying abnormal endotracheal tube positions. Pediatric Emergency Care, 1990, 6, 257-259.	0.9	4
107	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
108	Effects of Gas Leak Around Endotracheal Tubes on Indirect Calorimetry Measurement. Journal of Parenteral and Enteral Nutrition, 1990, 14, 408-413.	2.6	24

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109	Comparison of the Immunogenicity of Hepatitis B Vaccine Administered Intradermally and Intramuscularly. <i>Clinical Infectious Diseases</i> , 1990, 12, 1035-1043.	5.8	20
110	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
111	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
112	Diastolic collapse of the left and right ventricles in cardiac tamponade. <i>American Heart Journal</i> , 1988, 115, 475-478.	2.7	10
113	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
114	Optimal Dose of Fenoterol by Metered-Dose Inhaler in Asthmatic Adults. <i>Chest</i> , 1986, 89, 394-397.	0.8	1
115	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
116	The Selective and Comprehensive Testing of Adult Pulmonary Function. <i>Archives of Internal Medicine</i> , 1984, 144, 1129.	3.8	0
117	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
118	Effects of Labetalol in Hypertensive Patients with Chronic Obstructive Pulmonary Disease. <i>Chest</i> , 1983, 83, 457-460.	0.8	37
119	The Alveolar Gas Equation. <i>Chest</i> , 1982, 82, 388-389.	0.8	0
120	A Complex Number Facility for the C Programming Language. <i>IEEE Transactions on Biomedical Engineering</i> , 1982, BME-29, 145-146.	4.2	1
121	Computer Assistance in Assessment and Management of Mechanical Ventilation. , 1980, , 69-78.		2
122	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
123	Relative Value of Tests Used to Measure Bronchodilator Response. <i>Chest</i> , 1978, 73, 989-990.	0.8	3
124	Tests of Bronchodilator Therapy. <i>Chest</i> , 1978, 73, 890.	0.8	0
125	The One Best Test for Evaluating the Effects of Bronchodilator Therapy. <i>Chest</i> , 1977, 72, 512-516.	0.8	77
126	Extracorporeal Membrane Oxygenation: Past, Present and Future. , 0, , 7-7.		0