

Alain Rudiger

List of Publications by Year in descending order

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Version: 2024-02-01

90
papers

5,390
citations

117453

34
h-index

88477

70
g-index

97
all docs

97
docs citations

97
times ranked

7748
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanisms of sepsis-induced cardiac dysfunction. <i>Critical Care Medicine</i> , 2007, 35, 1599-1608.	0.4	612
2	Contemporary management of acute right ventricular failure: a statement from the Heart Failure Association and the Working Group on Pulmonary Circulation and Right Ventricular Function of the European Society of Cardiology. <i>European Journal of Heart Failure</i> , 2016, 18, 226-241.	2.9	455
3	Disruption of methylarginine metabolism impairs vascular homeostasis. <i>Nature Medicine</i> , 2007, 13, 198-203.	15.2	370
4	Systemic and mucosal antibody responses specific to SARS-CoV-2 during mild versus severe COVID-19. <i>Journal of Allergy and Clinical Immunology</i> , 2021, 147, 545-557.e9.	1.5	316
5	Organ dysfunction, injury and failure in acute heart failure: from pathophysiology to diagnosis and management. A review on behalf of the Acute Heart Failure Committee of the Heart Failure Association (HFA) of the European Society of Cardiology (ESC). <i>European Journal of Heart Failure</i> , 2017, 19, 821-836.	2.9	252
6	Comparable increase of B-type natriuretic peptide and amino-terminal pro-B-type natriuretic peptide levels in patients with severe sepsis, septic shock, and acute heart failure*. <i>Critical Care Medicine</i> , 2006, 34, 2140-2144.	0.4	222
7	Cardioprotection, attenuated systemic inflammation, and survival benefit of β_1 -adrenoceptor blockade in severe sepsis in rats*. <i>Critical Care Medicine</i> , 2010, 38, 388-394.	0.4	181
8	Clinical review: Practical recommendations on the management of perioperative heart failure in cardiac surgery. <i>Critical Care</i> , 2010, 14, 201.	2.5	158
9	Liver Dysfunction and Phosphatidylinositol-3-Kinase Signalling in Early Sepsis: Experimental Studies in Rodent Models of Peritonitis. <i>PLoS Medicine</i> , 2012, 9, e1001338.	3.9	152
10	Immunoglobulin signature predicts risk of post-acute COVID-19 syndrome. <i>Nature Communications</i> , 2022, 13, 446.	5.8	146
11	Acute heart failure: Clinical presentation, one-year mortality and prognostic factors. <i>European Journal of Heart Failure</i> , 2005, 7, 662-670.	2.9	143
12	The patient perspective: Quality of life in advanced heart failure with frequent hospitalisations. <i>International Journal of Cardiology</i> , 2015, 191, 256-264.	0.8	125
13	The relative lymphocyte count on hospital admission is a risk factor for long-term mortality in patients with acute heart failure. <i>American Journal of Emergency Medicine</i> , 2006, 24, 451-454.	0.7	116
14	A hospital-wide evaluation of delirium prevalence and outcomes in acute care patients - a cohort study. <i>BMC Health Services Research</i> , 2018, 18, 550.	0.9	115
15	A distinct innate immune signature marks progression from mild to severe COVID-19. <i>Cell Reports Medicine</i> , 2021, 2, 100166.	3.3	102
16	Electrocardiographic artifacts due to electrode misplacement and their frequency in different clinical settings. <i>American Journal of Emergency Medicine</i> , 2007, 25, 174-178.	0.7	92
17	Beta-block the septic heart. <i>Critical Care Medicine</i> , 2010, 38, S608-S612.	0.4	88
18	Preoperative and perioperative use of levosimendan in cardiac surgery: European expert opinion. <i>International Journal of Cardiology</i> , 2015, 184, 323-336.	0.8	86

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19	Laser Doppler flowmetry for assessing localized scleroderma in children. <i>Arthritis and Rheumatism</i> , 2007, 56, 3489-3495.	6.7	84
20	The heart in sepsis: from basic mechanisms to clinical management. <i>Current Vascular Pharmacology</i> , 2013, 11, 187-95.	0.8	74
21	Oxygen consumption is depressed in patients with lactic acidosis due to biguanide intoxication. <i>Critical Care</i> , 2010, 14, R22.	2.5	73
22	Succinate recovers mitochondrial oxygen consumption in septic rat skeletal muscle. <i>Critical Care Medicine</i> , 2007, 35, 2150-2155.	0.4	66
23	Transpulmonary thermodilution-derived cardiac function index identifies cardiac dysfunction in acute heart failure and septic patients: an observational study. <i>Critical Care</i> , 2009, 13, R133.	2.5	63
24	Early functional and transcriptomic changes in the myocardium predict outcome in a long-term rat model of sepsis. <i>Clinical Science</i> , 2013, 124, 391-401.	1.8	62
25	Profound dysregulation of T cell homeostasis and function in patients with severe COVID-19. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2021, 76, 2866-2881.	2.7	59
26	Comprehensive in-hospital monitoring in acute heart failure: applications for clinical practice and future directions for research. A statement from the Acute Heart Failure Committee of the Heart Failure Association (HFA) of the European Society of Cardiology (ESC). <i>European Journal of Heart Failure</i> , 2018, 20, 1081-1099.	2.9	57
27	Acute coronary syndromes and acute heart failure: a diagnostic dilemma and high-risk combination. A statement from the Acute Heart Failure Committee of the Heart Failure Association of the European Society of Cardiology. <i>European Journal of Heart Failure</i> , 2020, 22, 1298-1314.	2.9	50
28	Levosimendan Efficacy and Safety: 20 Years of SIMDAX in Clinical Use. <i>Journal of Cardiovascular Pharmacology</i> , 2020, 76, 4-22.	0.8	49
29	New-onset atrial fibrillation in critically ill patients and its association with mortality: A report from the FROG-ICU study. <i>International Journal of Cardiology</i> , 2018, 266, 95-99.	0.8	46
30	Management of Atrial Fibrillation in Critically Ill Patients. <i>Critical Care Research and Practice</i> , 2014, 2014, 1-10.	0.4	45
31	Temporal changes in tissue cardiorespiratory function during faecal peritonitis. <i>Intensive Care Medicine</i> , 2011, 37, 1192-1200.	3.9	41
32	Intra-operative events during cardiac surgery are risk factors for the development of delirium in the ICU. <i>Critical Care</i> , 2016, 20, 264.	2.5	39
33	Comparison of Levosimendan and Milrinone for ECLS Weaning in Patients After Cardiac Surgery: A Retrospective Before-and-After Study. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2018, 32, 2112-2119.	0.6	39
34	In critically ill patients, B-type natriuretic peptide (BNP) and N-terminal pro-BNP levels correlate with C-reactive protein values and leukocyte counts. <i>International Journal of Cardiology</i> , 2008, 126, 28-31.	0.8	38
35	Levosimendan Efficacy and Safety: 20 years of SIMDAX in Clinical Use. <i>Cardiac Failure Review</i> , 2020, 6, e19.	1.2	37
36	Use of Levosimendan in Intensive Care Unit Settings: An Opinion Paper. <i>Journal of Cardiovascular Pharmacology</i> , 2019, 73, 3-14.	0.8	36

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37	Delirium in the intensive care setting: A reevaluation of the validity of the CAM-ICU and ICDSC versus the DSM-IV-TR in determining a diagnosis of delirium as part of the daily clinical routine. Palliative and Supportive Care, 2017, 15, 675-683.	0.6	35
38	Influence of electrode misplacement on the electrocardiographic signs of inferior myocardial ischemia. American Journal of Emergency Medicine, 2003, 21, 574-577.	0.7	34
39	Autoantibodies in COVID-19 correlate with antiviral humoral responses and distinct immune signatures. Allergy: European Journal of Allergy and Clinical Immunology, 2022, 77, 2415-2430.	2.7	32
40	Cellular processes in sepsis. Swiss Medical Weekly, 2008, 138, 629-34.	0.8	29
41	Disappointing Success of Electrical Cardioversion for New-Onset Atrial Fibrillation in Cardiosurgical ICU Patients*. Critical Care Medicine, 2015, 43, 2354-2359.	0.4	28
42	Liver Transplantation because of Acute Liver Failure due to Heme Arginate Overdose in a Patient with Acute Intermittent Porphyrria. Case Reports in Gastroenterology, 2012, 6, 190-196.	0.3	25
43	Decatecholaminisation during sepsis. Critical Care, 2016, 20, 309.	2.5	25
44	Optimising Heart Failure Therapies in the Acute Setting. Cardiac Failure Review, 2018, 4, 1.	1.2	24
45	Valproic acid intoxication imitating brain death. American Journal of Emergency Medicine, 2009, 27, 1177.e5-1177.e6.	0.7	23
46	Pharmacokinetics of Daily Daptomycin in Critically Ill Patients Undergoing Continuous Renal Replacement Therapy. Chemotherapy, 2013, 59, 143-151.	0.8	22
47	T-cell recovery and evidence of persistent immune activation 12 months after severe COVID-19. Allergy: European Journal of Allergy and Clinical Immunology, 2022, 77, 2468-2481.	2.7	20
48	Daptomycin pharmacokinetics in critically ill patients undergoing continuous renal replacement therapy. Critical Care Medicine, 2011, 39, 1243-1244.	0.4	19
49	Pancreatic Stone Protein Predicts Postoperative Infection in Cardiac Surgery Patients Irrespective of Cardiopulmonary Bypass or Surgical Technique. PLoS ONE, 2015, 10, e0120276.	1.1	19
50	Dexmedetomidine-Associated Hyperthermia: A Series of 9 Cases and a Review of the Literature. Anesthesia and Analgesia, 2017, 125, 1898-1906.	1.1	18
51	Extracorporeal life support as bridge to recovery in yew poisoning: case reports and literature review. ESC Heart Failure, 2021, 8, 705-709.	1.4	16
52	Trimethoprim/Sulfamethoxazole Pharmacokinetics in Two Patients Undergoing Continuous Venovenous Hemodiafiltration. Annals of Pharmacotherapy, 2010, 44, 1669-1672.	0.9	14
53	Shock Management For Cardio-Surgical ICU Patients - The Golden Hours. Cardiac Failure Review, 2015, 1, 75.	1.2	14
54	Analgesia in clinically relevant rodent models of sepsis. Laboratory Animals, 2016, 50, 418-426.	0.5	14

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55	Screening for delirium with the Intensive Care Delirium Screening Checklist (ICDSC): a re-evaluation of the threshold for delirium. <i>Swiss Medical Weekly</i> , 2018, 148, w14597.	0.8	14
56	Improving animal welfare using continuous nalbuphine infusion in a long-term rat model of sepsis. <i>Intensive Care Medicine Experimental</i> , 2017, 5, 23.	0.9	13
57	Delirium in the intensive care setting and the Richmond Agitation and Sedation Scale (RASS): Drowsiness increases the risk and is subthreshold for delirium. <i>Journal of Psychosomatic Research</i> , 2017, 103, 133-139.	1.2	13
58	Understanding cardiogenic shock. <i>European Journal of Heart Failure</i> , 2015, 17, 466-467.	2.9	11
59	Heart rate elevations during early sepsis predict death in fluid-resuscitated rats with fecal peritonitis. <i>Intensive Care Medicine Experimental</i> , 2018, 6, 28.	0.9	11
60	Portal vein thrombus and liver failure in a patient with pheochromocytoma crisis. <i>American Journal of Emergency Medicine</i> , 2009, 27, 630.e3-630.e5.	0.7	10
61	Outcome of inter-hospital transfer of patients on extracorporeal membrane oxygenation in Switzerland. <i>Swiss Medical Weekly</i> , 2019, 149, w20054.	0.8	10
62	The frequency of electrocardiographic errors due to electrode cable switches: a before and after study. <i>Journal of Electrocardiology</i> , 2010, 43, 676-681.	0.4	9
63	First description of successful weaning from ECMO in a patient with Eisenmenger syndrome after repair of pulmonary artery dissection. <i>International Journal of Cardiology</i> , 2015, 187, 144-145.	0.8	9
64	Shock Management for Cardio-surgical Intensive Care Unit Patient: The Silver Days. <i>Cardiac Failure Review</i> , 2016, 2, 56.	1.2	9
65	Frequency and outcome of in-hospital resuscitation outside the ICU-setting. <i>Swiss Medical Weekly</i> , 2004, 134, 59-62.	0.8	9
66	Benralizumab in eosinophilic granulomatosis with polyangiitis complicated by <i>Staphylococcus aureus</i> sepsis. <i>Clinical Immunology</i> , 2021, 222, 108574.	1.4	8
67	Haptoglobin treatment prevents cell-free hemoglobin exacerbated mortality in experimental rat sepsis. <i>Intensive Care Medicine Experimental</i> , 2021, 9, 22.	0.9	7
68	Acute kidney injury. <i>Lancet, The</i> , 2012, 380, 1904.	6.3	6
69	Length of ICU Stay After Cardiac Surgery: Too Long or Too Short?. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2018, 32, 2692-2693.	0.6	6
70	Outcome, demography and resource utilization in ICU Patients with delirium and malignancy. <i>Scientific Reports</i> , 2021, 11, 18756.	1.6	6
71	Suitability, Efficacy, and Safety of Vernakalant for New Onset Atrial Fibrillation in Critically Ill Patients. <i>Critical Care Research and Practice</i> , 2014, 2014, 1-7.	0.4	5
72	Recurrent Clotting of a Continuous-Flow Right Ventricular Assist Deviceâ€”Repeated Thrombolysis With Two Different Protocols. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2015, 29, 1614-1617.	0.6	5

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73	Left Main Artery Thrombus Complicating Heart Transplantation in a Patient With Heparin-Induced Thrombocytopenia. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2016, 30, 1334-1336.	0.6	5
74	Screening for delirium with the Intensive Care Delirium Screening Checklist (ICDSC): Symptom profile and utility of individual items in the identification of delirium dependent on the level of sedation. <i>Palliative and Supportive Care</i> , 2019, 17, 74-81.	0.6	5
75	The Heart in Sepsis: From Basic Mechanisms to Clinical Management. <i>Current Vascular Pharmacology</i> , 2013, 11, 187-195.	0.8	4
76	Systemic Inflammation After Myocardial Infarction*. <i>Critical Care Medicine</i> , 2013, 41, 2223-2224.	0.4	4
77	Platelet Consumption and Filter Clotting Using Two Different Membrane Sizes during Continuous Venovenous Haemodiafiltration in the Intensive Care Unit. <i>Critical Care Research and Practice</i> , 2014, 2014, 1-8.	0.4	4
78	Pulsatile arterial blood pressure mimicking aortic valve opening during continuous-flow LVAD support: a case report. <i>Journal of Cardiothoracic Surgery</i> , 2019, 14, 219.	0.4	4
79	The impact of infections on critically ill acute heart failure patients: an observational study. <i>Swiss Medical Weekly</i> , 2010, 140, w13125.	0.8	4
80	Immunoglobulin Signature Predicts Risk of Post-Acute Covid-19 Syndrome. <i>SSRN Electronic Journal</i> , 0, , .	0.4	3
81	Natriuretic peptide levels in patients with severe sepsis, septic shock, and acute heart failure. <i>Critical Care Medicine</i> , 2007, 35, 683-684.	0.4	2
82	Laparoscopic epilepsy surgery. <i>Intensive Care Medicine</i> , 2010, 36, 367-368.	3.9	2
83	How to diagnose ECG artifacts due to electrode misplacements. <i>Intensive Care Medicine</i> , 2011, 37, 891-892.	3.9	2
84	Delirium in the intensive care setting dependent on the Richmond Agitation and Sedation Scale (RASS): Inattention and visuo-spatial impairment as potential screening domains. <i>Palliative and Supportive Care</i> , 2020, 18, 148-157.	0.6	2
85	Cardiovascular Safety of Clonidine and Dexmedetomidine in Critically Ill Patients after Cardiac Surgery. <i>Critical Care Research and Practice</i> , 2020, 2020, 1-8.	0.4	2
86	QTc prolongation after haloperidol administration in critically ill patients post cardiovascular surgery: A cohort study and review of the literature. <i>Palliative and Supportive Care</i> , 2020, 18, 447-459.	0.6	2
87	Neurologically intact survival despite severe sepsis-induced hypoglycemia: a case report. <i>American Journal of Emergency Medicine</i> , 2011, 29, 696.e1-696.e2.	0.7	1
88	Hemodynamic response of restoring sinus rhythm in critically ill patients with atrial fibrillation. <i>American Journal of Emergency Medicine</i> , 2020, 38, 1192-1194.	0.7	1
89	Response to: Comment on "Management of Atrial Fibrillation in Critically Ill Patients". <i>Critical Care Research and Practice</i> , 2016, 2016, 1-1.	0.4	0
90	Grave and Pernicious Anemia Presenting as Pancytopenia. <i>American Journal of Medicine</i> , 2020, 133, e302-e303.	0.6	0