

Christian Karagiannidis

List of Publications by Year in descending order

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Version: 2024-02-01

56
papers

2,719
citations

304743

22
h-index

197818

49
g-index

69
all docs

69
docs citations

69
times ranked

3777
citing authors

#	ARTICLE	IF	CITATIONS
1	Case characteristics, resource use, and outcomes of 10â€™21 patients with COVID-19 admitted to 920 German hospitals: an observational study. <i>Lancet Respiratory Medicine</i> ,the, 2020, 8, 853-862.	10.7	628
2	Extracorporeal membrane oxygenation: evolving epidemiology and mortality. <i>Intensive Care Medicine</i> , 2016, 42, 889-896.	8.2	382
3	COVID-19 is a systemic vascular hemopathy: insight for mechanistic and clinical aspects. <i>Angiogenesis</i> , 2021, 24, 755-788.	7.2	114
4	Major differences in ICU admissions during the first and second COVID-19 wave in Germany. <i>Lancet Respiratory Medicine</i> ,the, 2021, 9, e47-e48.	10.7	104
5	A new miniaturized system for extracorporeal membrane oxygenation in adult respiratory failure. <i>Critical Care</i> , 2009, 13, R205.	5.8	82
6	Autoregulation of ventilation with neurally adjusted ventilatory assist on extracorporeal lung support. <i>Intensive Care Medicine</i> , 2010, 36, 2038-2044.	8.2	78
7	Low-flow assessment of current ECMO/ECCO2R rotary blood pumps and the potential effect on hemocompatibility. <i>Critical Care</i> , 2019, 23, 348.	5.8	70
8	Veno-venous extracorporeal CO2 removal for the treatment of severe respiratory acidosis: pathophysiological and technical considerations. <i>Critical Care</i> , 2014, 18, R124.	5.8	69
9	Quality of life and life satisfaction are severely impaired in patients with long-term invasive ventilation following ICU treatment and unsuccessful weaning. <i>Annals of Intensive Care</i> , 2018, 8, 38.	4.6	65
10	6-month mortality and readmissions of hospitalized COVID-19 patients: A nationwide cohort study of 8,679 patients in Germany. <i>PLoS ONE</i> , 2021, 16, e0255427.	2.5	65
11	Impact of membrane lung surface area and blood flow on extracorporeal CO2 removal during severe respiratory acidosis. <i>Intensive Care Medicine Experimental</i> , 2017, 5, 34.	1.9	56
12	High In-Hospital Mortality Rate in Patients with COVID-19 Receiving Extracorporeal Membrane Oxygenation in Germany: A Critical Analysis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2021, 204, 991-994.	5.6	52
13	Complete countrywide mortality in COVID patients receiving ECMO in Germany throughout the first three waves of the pandemic. <i>Critical Care</i> , 2021, 25, 413.	5.8	51
14	High-Level Expression of Matrix-Associated Transforming Growth Factor-Î² 1 in Benign Airway Stenosis. <i>Chest</i> , 2006, 129, 1298-1304.	0.8	46
15	Regional expiratory time constants in severe respiratory failure estimated by electrical impedance tomography: a feasibility study. <i>Critical Care</i> , 2018, 22, 221.	5.8	42
16	Invasive and Non-Invasive Ventilation in Patients With COVID-19. <i>Deutsches A&#x0308;rzteblatt International</i> , 2020, 117, 528-533.	0.9	40
17	Different spreading dynamics throughout Germany during the second wave of the COVID-19 pandemic: a time series study based on national surveillance data. <i>Lancet Regional Health - Europe</i> , The, 2021, 6, 100151.	5.6	37
18	Recommendations on Inpatient Treatment of Patients With COVID-19. <i>Deutsches A&#x0308;rzteblatt International</i> , 2021, 118, .	0.9	35

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19	Hemolysis at low blood flow rates: in-vitro and in-silico evaluation of a centrifugal blood pump. <i>Journal of Translational Medicine</i> , 2021, 19, 2.	4.4	34
20	Key summary of German national treatment guidance for hospitalized COVID-19 patients. <i>Infection</i> , 2022, 50, 93-106.	4.7	30
21	Impact of sweep gas flow on extracorporeal CO2 removal (ECCO2R). <i>Intensive Care Medicine Experimental</i> , 2019, 7, 17.	1.9	26
22	Key characteristics impacting survival of COVID-19 extracorporeal membrane oxygenation. <i>Critical Care</i> , 2022, 26, .	5.8	26
23	Veno-venous extracorporeal membrane oxygenation (vv-ECMO) for severe respiratory failure in adult cancer patients: a retrospective multicenter analysis. <i>Intensive Care Medicine</i> , 2022, 48, 332-342.	8.2	25
24	Control of respiratory drive by extracorporeal CO2 removal in acute exacerbation of COPD breathing on non-invasive NAVA. <i>Critical Care</i> , 2019, 23, 135.	5.8	24
25	Climate change, global warming, and intensive care. <i>Intensive Care Medicine</i> , 2020, 46, 485-487.	8.2	23
26	Apples and oranges: international comparisons of COVID-19 observational studies in ICUs. <i>Lancet Respiratory Medicine</i> , 2020, 8, 952-953.	10.7	22
27	Veno-venous extracorporeal CO2 removal improves pulmonary hypertension in acute exacerbation of severe COPD. <i>Intensive Care Medicine</i> , 2015, 41, 1509-1510.	8.2	21
28	Observational study of changes in utilization and outcomes in mechanical ventilation in COVID-19. <i>PLoS ONE</i> , 2022, 17, e0262315.	2.5	21
29	Continuous non-invasive PCO_2 monitoring in weaning patients: T ranscutaneous is advantageous over end-tidal PCO_2 . <i>Respirology</i> , 2017, 22, 1579-1584.	2.3	20
30	Physiological and Technical Considerations of Extracorporeal CO2 Removal. <i>Critical Care</i> , 2019, 23, 75.	5.8	20
31	Risks and Benefits of Ultra-“Lung-Protective Invasive Mechanical Ventilation Strategies with a Focus on Extracorporeal Support. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2022, 205, 873-882.	5.6	20
32	Extracorporeal Membrane Oxygenation during Respiratory Pandemics: Past, Present, and Future. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2022, 205, 1382-1390.	5.6	20
33	Quality of inter-hospital transportation in 431 transport survivor patients suffering from acute respiratory distress syndrome referred to specialist centers. <i>Annals of Intensive Care</i> , 2018, 8, 5.	4.6	19
34	Influence of quality of intensive care on quality of life/return to work in survivors of the acute respiratory distress syndrome: prospective observational patient cohort study (DACAPO). <i>BMC Public Health</i> , 2020, 20, 861.	2.9	18
35	Clinical practice guideline: Recommendations on the in-hospital treatment of patients with COVID-19. <i>Deutsches &#x0308;rzteblatt International</i> , 2021, , .	0.9	15
36	German S3 Guideline: Oxygen Therapy in the Acute Care of Adult Patients. <i>Respiration</i> , 2022, 101, 214-252.	2.6	15

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37	Safety and Efficacy of a Novel Pneumatically Driven Extracorporeal Membrane Oxygenation Device. <i>Annals of Thoracic Surgery</i> , 2020, 109, 1684-1691.	1.3	13
38	Effectiveness of extended shutdown measures during the 'Bundesnotbremse' introduced in the third SARS-CoV-2 wave in Germany. <i>Infection</i> , 2021, 49, 1331-1335.	4.7	11
39	ECMO during the COVID-19 pandemic: moving from rescue therapy to more reasonable indications. <i>European Respiratory Journal</i> , 2022, 59, 2103262.	6.7	11
40	Invasiveness of Treatment Is Gender Dependent in Intensive Care: Results From a Retrospective Analysis of 26,711 Cases. <i>Anesthesia and Analgesia</i> , 2021, 132, 1677-1683.	2.2	10
41	Is gender inequity in ventilator management a 'women's issue'? <i>European Respiratory Journal</i> , 2019, 54, 1901588.	6.7	9
42	Tracheostomy in patients with acute respiratory distress syndrome is not related to quality of life, symptoms of psychiatric disorders or return-to-work: the prospective DACAPO cohort study. <i>Annals of Intensive Care</i> , 2020, 10, 52.	4.6	8
43	Differential cytology profiles in bronchoalveolar lavage (BAL) in COVID-19 patients. <i>Medicine (United States)</i> , 2021, 100, e22174.	1.0	7
44	Respiratory acidosis during bronchoscopy-guided percutaneous dilatational tracheostomy: impact of ventilator settings and endotracheal tube size. <i>BMC Anesthesiology</i> , 2019, 19, 147.	1.8	6
45	Less is More: not (always) simple—the case of extracorporeal devices in critical care. <i>Intensive Care Medicine</i> , 2019, 45, 1451-1453.	8.2	6
46	Rapid Changes in Arterial Carbon Dioxide Levels Caused by Extracorporeal Membrane Oxygenation. The Temptation of a Fascinating Technology. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020, 201, 1466-1468.	5.6	6
47	The quality of acute intensive care and the incidence of critical events have an impact on health-related quality of life in survivors of the acute respiratory distress syndrome - a nationwide prospective multicenter observational study. <i>GMS German Medical Science</i> , 2020, 18, Doc01.	2.7	6
48	Conservative management of COVID-19 associated hypoxaemia. <i>ERJ Open Research</i> , 2021, 7, 00113-2021.	2.6	4
49	Incidence and outcomes of SARS-CoV-2-associated PIMS in Germany: a nationwide analysis. <i>Infection</i> , 2022, 50, 1627-1629.	4.7	4
50	The Need for Emergency Laparotomy With Open Abdomen Therapy in the Course of ECMO—A Retrospective Analysis of Course and Outcome. <i>Frontiers in Surgery</i> , 2020, 7, 63.	1.4	3
51	The Hemovent Oxygenator: A New Low-Resistance, High-Performance Oxygenator. <i>ASAIO Journal</i> , 2021, 67, e59-e61.	1.6	3
52	Effectiveness of extended shutdown measures during the 'Bundesnotbremse' introduced in the third SARS-CoV-2 wave in Germany. <i>Infection</i> , 2021, 49, 1331-1335.	4.7	2
53	Using Differentiable Programming for Flexible Statistical Modeling. <i>American Statistician</i> , 2022, 76, 270-279.	1.6	2
54	Different Spreading Dynamics Throughout Germany During the Second Wave of the COVID-19 Pandemic: Link to Public Health Interventions. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1

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55	Extracorporeal carbon dioxide removal. , 0, , 200-208.		1
56	Lung injury and acute respiratory distress syndrome. , 2019, , 299-303.		0