

# Vittorio Scaravilli

## List of Publications by Year in descending order

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Version: 2024-02-01

65  
papers

2,290  
citations

394421

19  
h-index

233421

45  
g-index

68  
all docs

68  
docs citations

68  
times ranked

3405  
citing authors

#	ARTICLE	IF	CITATIONS
1	Pathophysiology of COVID-19-associated acute respiratory distress syndrome: a multicentre prospective observational study. <i>Lancet Respiratory Medicine</i> , 2020, 8, 1201-1208.	10.7	516
2	Hospital-Acquired Infections in Critically Ill Patients With COVID-19. <i>Chest</i> , 2021, 160, 454-465.	0.8	225
3	Prone positioning improves oxygenation in spontaneously breathing nonintubated patients with hypoxemic acute respiratory failure: A retrospective study. <i>Journal of Critical Care</i> , 2015, 30, 1390-1394.	2.2	214
4	Infections during extracorporeal membrane oxygenation: epidemiology, risk factors, pathogenesis and prevention. <i>International Journal of Antimicrobial Agents</i> , 2017, 50, 9-16.	2.5	154
5	Fluid leakage across tracheal tube cuff, effect of different cuff material, shape, and positive expiratory pressure: a bench-top study. <i>Intensive Care Medicine</i> , 2011, 37, 343-347.	8.2	109
6	Nosocomial Infections During Extracorporeal Membrane Oxygenation: Incidence, Etiology, and Impact on Patients' Outcome. <i>Critical Care Medicine</i> , 2017, 45, 1726-1733.	0.9	107
7	Fever Management in SAH. <i>Neurocritical Care</i> , 2011, 15, 287-294.	2.4	78
8	Respiratory Electrodialysis. A Novel, Highly Efficient Extracorporeal CO <sub>2</sub> Removal Technique. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2015, 192, 719-726.	5.6	68
9	Apnea test during brain death assessment in mechanically ventilated and ECMO patients. <i>Intensive Care Medicine</i> , 2016, 42, 72-81.	8.2	65
10	Blood acidification enhances carbon dioxide removal of membrane lung: an experimental study. <i>Intensive Care Medicine</i> , 2009, 35, 1484-1487.	8.2	61
11	Early Phases of COVID-19 Are Characterized by a Reduction in Lymphocyte Populations and the Presence of Atypical Monocytes. <i>Frontiers in Immunology</i> , 2020, 11, 560330.	4.8	47
12	Evaluation of the Cytosorb <sup>®</sup> , <sup>®</sup> Hemoadsorptive Column in a PIG Model of Severe Smoke and Burn Injury. <i>Shock</i> , 2015, 44, 487-495.	2.1	43
13	Regional Blood Acidification Enhances Extracorporeal Carbon Dioxide Removal. <i>Anesthesiology</i> , 2014, 120, 416-424.	2.5	41
14	Extracorporeal carbon dioxide removal through ventilation of acidified dialysate: An experimental study. <i>Journal of Heart and Lung Transplantation</i> , 2014, 33, 536-541.	0.6	38
15	Quality of Life and Lung Function in Survivors of Extracorporeal Membrane Oxygenation for Acute Respiratory Distress Syndrome. <i>Anesthesiology</i> , 2019, 130, 572-580.	2.5	33
16	A mathematical model of oxygenation during venovenous extracorporeal membrane oxygenation support. <i>Journal of Critical Care</i> , 2016, 36, 178-186.	2.2	28
17	SARS-CoV-2 RNA in plasma samples of COVID-19 affected individuals: a cross-sectional proof-of-concept study. <i>BMC Infectious Diseases</i> , 2021, 21, 184.	2.9	25
18	Extracorporeal Carbon Dioxide Removal Enhanced by Lactic Acid Infusion in Spontaneously Breathing Conscious Sheep. <i>Anesthesiology</i> , 2016, 124, 674-682.	2.5	24

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19	Impact of dexamethasone on the incidence of ventilator-associated pneumonia in mechanically ventilated COVID-19 patients: a propensity-matched cohort study. <i>Critical Care</i> , 2022, 26, .	5.8	23
20	Effects of sodium citrate, citric acid and lactic acid on human blood coagulation. <i>Perfusion (United Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5</i>	1.0	22
21	Continuous Renal Replacement Therapy in Venovenous Extracorporeal Membrane Oxygenation: A Retrospective Study on Regional Citrate Anticoagulation. <i>ASAIO Journal</i> , 2020, 66, 332-338.	1.6	21
22	Awake Prone as an Adjunctive Therapy for Refractory Hypoxemia in Non-Intubated Patients with COVID-19 Acute Respiratory Failure: Guidance from an International Group of Healthcare Workers. <i>American Journal of Tropical Medicine and Hygiene</i> , 2021, 104, 1676-1686.	1.4	21
23	Infusion of 2.5Âmeq/min of lactic acid minimally increases CO2 production compared to an isocaloric glucose infusion in healthy anesthetized, mechanically ventilated pigs. <i>Critical Care</i> , 2013, 17, R268.	5.8	20
24	Extracorporeal blood purification in burns: A review. <i>Burns</i> , 2014, 40, 1071-1078.	1.9	19
25	Enhanced Extracorporeal CO2 Removal by Regional Blood Acidification. <i>ASAIO Journal</i> , 2015, 61, 533-539.	1.6	19
26	Modular Extracorporeal Life Support. <i>ASAIO Journal</i> , 2014, 60, 335-341.	1.6	16
27	Extracorporeal Chloride Removal by Electrodialysis. A Novel Approach to Correct Acidemia. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020, 201, 799-813.	5.6	16
28	Early pulmonary function and midâ€term outcome in lung transplantation after exâ€vivo lung perfusion â€“ a singleâ€center, retrospective, observational, cohort study. <i>Transplant International</i> , 2020, 33, 773-785.	1.6	15
29	Effects on membrane lung gas exchange of an intermittent high gas flow recruitment maneuver: preliminary data in veno-venous ECMO patients. <i>Journal of Artificial Organs</i> , 2015, 18, 213-219.	0.9	13
30	Assessment of Airway Driving Pressure and Respiratory System Mechanics during Neurally Adjusted Ventilatory Assist. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019, 200, 785-788.	5.6	13
31	Ventilation of coronavirus disease 2019 patients. <i>Current Opinion in Critical Care</i> , 2021, 27, 6-12.	3.2	13
32	Extracorporeal CO2 Removal by Respiratory Electrodialysis. <i>ASAIO Journal</i> , 2016, 62, 143-149.	1.6	12
33	Early Utilization of Extracorporeal CO2 Removal for Treatment of Acute Respiratory Distress Syndrome Due to Smoke Inhalation and Burns in Sheep. <i>Shock</i> , 2016, 45, 65-72.	2.1	11
34	Platelet and coagulation function before and after burn and smoke inhalation injury in sheep. <i>Journal of Trauma and Acute Care Surgery</i> , 2017, 83, S59-S65.	2.1	11
35	Interstitial pneumonia with autoimmune features: an additional risk factor for ARDS?. <i>Annals of Intensive Care</i> , 2017, 7, 98.	4.6	11
36	Safety of anesthesia for children with mucopolysaccharidoses: A retrospective analysis of 54 patients. <i>Paediatric Anaesthesia</i> , 2018, 28, 436-442.	1.1	11

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37	Intraoperative extracorporeal membrane oxygenation for lung transplantation in cystic fibrosis patients: Predictors and impact on outcome. <i>Journal of Cystic Fibrosis</i> , 2020, 19, 659-665.	0.7	11
38	Volatile Sedation for Acute Respiratory Distress Syndrome Patients on Venovenous Extracorporeal Membrane Oxygenation and Ultraprotective Ventilation. , 2021, 3, e0310.		11
39	Gastrointestinal colonization with multidrug-resistant Gram-negative bacteria during extracorporeal membrane oxygenation: effect on the risk of subsequent infections and impact on patient outcome. <i>Annals of Intensive Care</i> , 2019, 9, 141.	4.6	11
40	Practical Clinical Application of an Extracorporeal Carbon Dioxide Removal System in Acute Respiratory Distress Syndrome and Acute on Chronic Respiratory Failure. <i>ASAIO Journal</i> , 2020, 66, 691-697.	1.6	9
41	ECMO for intractable status asthmaticus following atracurium. <i>Journal of Artificial Organs</i> , 2017, 20, 178-181.	0.9	7
42	<sup>1</sup> H-NMR Metabolomics Identifies Significant Changes in Metabolism over Time in a Porcine Model of Severe Burn and Smoke Inhalation. <i>Metabolites</i> , 2019, 9, 142.	2.9	7
43	Pulmonary volume-feedback and ventilatory pattern after bilateral lung transplantation using neurally adjusted ventilatory assist ventilation. <i>British Journal of Anaesthesia</i> , 2021, 127, 143-152.	3.4	7
44	Synergistic Effect of Static Compliance and D-dimers to Predict Outcome of Patients with COVID-19-ARDS: A Prospective Multicenter Study. <i>Biomedicines</i> , 2021, 9, 1228.	3.2	6
45	Ion-Exchange Resin Anticoagulation (I-ERA). <i>Shock</i> , 2016, 46, 304-311.	2.1	4
46	Sedation and general anesthesia for patients with Cornelia De Lange syndrome: A case series. <i>American Journal of Medical Genetics, Part C: Seminars in Medical Genetics</i> , 2016, 172, 222-228.	1.6	4
47	Heparin-Free Lung Transplantation on Venovenous Extracorporeal Membrane Oxygenation Bridge. <i>ASAIO Journal</i> , 2021, 67, e191-e197.	1.6	4
48	A Minimally Invasive and Highly Effective Extracorporeal CO <sub>2</sub> Removal Device Combined With a Continuous Renal Replacement Therapy. <i>Critical Care Medicine</i> , 2022, 50, e468-e476.	0.9	4
49	Lung Biomolecular Profile and Function of Grafts from Donors after Cardiocirculatory Death with Prolonged Donor Warm Ischemia Time. <i>Journal of Clinical Medicine</i> , 2022, 11, 3066.	2.4	4
50	Oxygenation during general anesthesia and thoracic surgery in a patient with Titusville low-oxygen affinity hemoglobin. <i>Journal of Applied Physiology</i> , 2019, 126, 810-814.	2.5	3
51	An Artificial Cough Maneuver to Remove Secretions From Below the Endotracheal Tube Cuff. <i>Respiratory Care</i> , 2019, 64, 372-383.	1.6	3
52	Extended-criteria uncontrolled DCD donor for a fragile recipient: A case report about a challenging yet successful lung transplantation. <i>International Journal of Surgery Case Reports</i> , 2020, 77, S67-S71.	0.6	3
53	Right Ventricle Dysfunction in Patients With Adult Cystic Fibrosis Enlisted for Lung Transplant. <i>Transplantation Proceedings</i> , 2021, 53, 260-264.	0.6	3
54	Response. <i>Chest</i> , 2021, 160, e316.	0.8	3

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55	Hemostatic changes during extracorporeal membrane oxygenation: a commentary. <i>Annals of Translational Medicine</i> , 2016, 4, 140-140.	1.7	3
56	Induction Dosage of Propofol for Repeated Sedations in Children With Hematological Disorders. <i>Journal of Pediatric Hematology/Oncology</i> , 2018, 40, e295-e298.	0.6	2
57	A Modified Translaryngeal Tracheostomy Technique in the Neurointensive Care Unit. Rationale and Single-center Experience on 199 Acute Brain-damaged Patients. <i>Journal of Neurosurgical Anesthesiology</i> , 2019, 31, 330-336.	1.2	2
58	Basic Aspects of Physiology During ECMO Support. , 2014, , 19-36.		2
59	Assessment of spontaneous breathing during pressure controlled ventilation with superimposed spontaneous breathing using respiratory flow signal analysis. <i>Journal of Clinical Monitoring and Computing</i> , 2021, 35, 859-868.	1.6	1
60	Limitations of Arterial Partial Pressure of Oxygen to Fraction of Inspired Oxygen Ratio for the Evaluation of Donor Lung Function. <i>Artificial Organs</i> , 0, , .	1.9	1
61	Longitudinal assessment of renal function after lung transplantation for cystic fibrosis: transition from post-operative acute kidney injury to acute kidney disease and chronic kidney failure. <i>Journal of Nephrology</i> , 0, , .	2.0	1
62	The authors reply. <i>Critical Care Medicine</i> , 2018, 46, e172-e173.	0.9	0
63	Extracorporeal Membrane Oxygenation 1-yr Outcome: Reply. <i>Anesthesiology</i> , 2019, 131, 1196-1197.	2.5	0
64	Extracorporeal membrane oxygenation. , 2012, , 133-141.		0
65	Regional blood acidification inhibits coagulation during extracorporeal carbon dioxide removal (<sc>ECCO<sub>2</sub>R</sc>). <i>Artificial Organs</i> , 2022, 46, 1181-1191.	1.9	0