

Filippo Sanfilippo

List of Publications by Citations

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129
papers

1,428
citations

22
h-index

33
g-index

145
ext. papers

2,087
ext. citations

4.9
avg, IF

5.13
L-index

#	Paper	IF	Citations
129	Diastolic dysfunction and mortality in septic patients: a systematic review and meta-analysis. <i>Intensive Care Medicine</i> , 2015 , 41, 1004-13	14.5	127
128	Bivalirudin for Alternative Anticoagulation in Extracorporeal Membrane Oxygenation: A Systematic Review. <i>Journal of Intensive Care Medicine</i> , 2017 , 32, 312-319	3.3	86
127	Tissue Doppler assessment of diastolic function and relationship with mortality in critically ill septic patients: a systematic review and meta-analysis. <i>British Journal of Anaesthesia</i> , 2017 , 119, 583-594	5.4	65
126	A decade of progress in critical care echocardiography: a narrative review. <i>Intensive Care Medicine</i> , 2019 , 45, 770-788	14.5	65
125	Left ventricular systolic function evaluated by strain echocardiography and relationship with mortality in patients with severe sepsis or septic shock: a systematic review and meta-analysis. <i>Critical Care</i> , 2018 , 22, 183	10.8	65
124	Incidence and Factors Associated with Burnout in Anesthesiology: A Systematic Review. <i>BioMed Research International</i> , 2017 , 2017, 8648925	3	63
123	Beta-blocker use in severe sepsis and septic shock: a systematic review. <i>Current Medical Research and Opinion</i> , 2015 , 31, 1817-25	2.5	48
122	The Effect of Propofol and Dexmedetomidine Sedation on Norepinephrine Requirements in Septic Shock Patients: A Crossover Trial. <i>Critical Care Medicine</i> , 2019 , 47, e89-e95	1.4	42
121	Remifentanyl-induced postoperative hyperalgesia: current perspectives on mechanisms and therapeutic strategies. <i>Local and Regional Anesthesia</i> , 2018 , 11, 15-23	2.3	42
120	Cerebral oximetry and return of spontaneous circulation after cardiac arrest: A systematic review and meta-analysis. <i>Resuscitation</i> , 2015 , 94, 67-72	4	40
119	Anticoagulation and Transfusions Management in Veno-Venous Extracorporeal Membrane Oxygenation for Acute Respiratory Distress Syndrome: Assessment of Factors Associated With Transfusion Requirements and Mortality. <i>Journal of Intensive Care Medicine</i> , 2019 , 34, 630-639	3.3	35
118	Perception-Driven Obstacle-Aided Locomotion for Snake Robots: The State of the Art, Challenges and Possibilities <i>Applied Sciences (Switzerland)</i> , 2017 , 7, 336	2.6	33
117	Levosimendan for patients with severely reduced left ventricular systolic function and/or low cardiac output syndrome undergoing cardiac surgery: a systematic review and meta-analysis. <i>Critical Care</i> , 2017 , 21, 252	10.8	32
116	Predatory Open-Access Publishing in Anesthesiology. <i>Anesthesia and Analgesia</i> , 2019 , 128, 182-187	3.9	30
115	Controlling Kuka Industrial Robots: Flexible Communication Interface JOpenShowVar. <i>IEEE Robotics and Automation Magazine</i> , 2015 , 22, 96-109	3.4	29
114	The role of neuromuscular blockade in patients with traumatic brain injury: a systematic review. <i>Neurocritical Care</i> , 2015 , 22, 325-34	3.3	26
113	Amiodarone or lidocaine for cardiac arrest: A systematic review and meta-analysis. <i>Resuscitation</i> , 2016 , 107, 31-7	4	25

112	High flow nasal therapy in immunocompromised patients with acute respiratory failure: A systematic review and meta-analysis. <i>Journal of Critical Care</i> , 2019 , 50, 250-256	4	24
111	Transesophageal echocardiography in the management of burn patients. <i>Burns</i> , 2014 , 40, 630-5	2.3	23
110	Predatory open-access publishing in critical care medicine. <i>Journal of Critical Care</i> , 2019 , 50, 247-249	4	23
109	Practical approach to diastolic dysfunction in light of the new guidelines and clinical applications in the operating room and in the intensive care. <i>Annals of Intensive Care</i> , 2018 , 8, 100	8.9	23
108	A multi-sensor fusion framework for improving situational awareness in demanding maritime training. <i>Reliability Engineering and System Safety</i> , 2017 , 161, 12-24	6.3	22
107	The PRICES statement: an ESICM expert consensus on methodology for conducting and reporting critical care echocardiography research studies. <i>Intensive Care Medicine</i> , 2021 , 47, 1-13	14.5	21
106	Long-term functional and psychological recovery in a population of acute respiratory distress syndrome patients treated with VV-ECMO and in their caregivers. <i>Minerva Anestesiologica</i> , 2019 , 85, 971-980	1.9	17
105	Mitral Regurgitation Grading in the Operating Room: A Systematic Review and Meta-analysis Comparing Preoperative and Intraoperative Assessments During Cardiac Surgery. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2017 , 31, 1681-1691	2.1	15
104	Transdermal buprenorphine for postoperative pain control in gynecological surgery: a prospective randomized study. <i>Current Medical Research and Opinion</i> , 2012 , 28, 1597-608	2.5	14
103	Association of weaning failure from mechanical ventilation with transthoracic echocardiography parameters: a systematic review and meta-analysis. <i>British Journal of Anaesthesia</i> , 2021 , 126, 319-330	5.4	14
102	Burnout in Cardiac Anesthesiologists: Results From a National Survey in Italy. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2018 , 32, 2459-2466	2.1	14
101	Remifentanyl and worse patient-reported outcomes regarding postoperative pain management after thyroidectomy. <i>Journal of Clinical Anesthesia</i> , 2016 , 31, 27-33	1.9	13
100	The Challenging Diagnosis of Septic Cardiomyopathy. <i>Chest</i> , 2019 , 156, 635-636	5.3	12
99	Systematic review and literature appraisal on methodology of conducting and reporting critical-care echocardiography studies: a report from the European Society of Intensive Care Medicine PRICES expert panel. <i>Annals of Intensive Care</i> , 2020 , 10, 49	8.9	12
98	A Review of the State-of-the-Art of Assistive Technology for People with ASD in the Workplace and in Everyday Life. <i>Lecture Notes in Computer Science</i> , 2019 , 520-532	0.9	10
97	Meta-Analysis of Electroacupuncture in Cardiac Anesthesia and Intensive Care. <i>Journal of Intensive Care Medicine</i> , 2019 , 34, 652-661	3.3	10
96	Serpens: A Highly Compliant Low-Cost ROS-Based Snake Robot with Series Elastic Actuators, Stereoscopic Vision and a Screw-Less Assembly Mechanism. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 396	2.6	9
95	Integrated Flexible Maritime Crane Architecture for the Offshore Simulation Centre AS (OSC): A Flexible Framework for Alternative Maritime Crane Control Algorithms. <i>IEEE Journal of Oceanic Engineering</i> , 2016 , 41, 450-461	3.3	9

94	Nosocomial H1N1 infection during 2010-2011 pandemic: a retrospective cohort study from a tertiary referral hospital. <i>Journal of Hospital Infection</i> , 2012 , 81, 202-5	6.9	9
93	Central venous pressure monitoring via peripherally or centrally inserted central catheters: a systematic review and meta-analysis. <i>Journal of Vascular Access</i> , 2017 , 18, 273-278	1.8	9
92	Systolic-dicrotic notch pressure difference can identify tachycardic patients with septic shock at risk of cardiovascular decompensation following pharmacological heart rate reduction. <i>British Journal of Anaesthesia</i> , 2020 , 125, 1018-1024	5.4	9
91	Systolic dysfunction as evaluated by tissue Doppler imaging echocardiography and mortality in septic patients: A systematic review and meta-analysis. <i>Journal of Critical Care</i> , 2021 , 62, 256-264	4	9
90	Noninvasive continuous arterial pressure monitoring with Clearsight during awake carotid endarterectomy: A prospective observational study. <i>European Journal of Anaesthesiology</i> , 2019 , 36, 144-152	2.3	9
89	Cerebral regional oxygen saturation during cardiopulmonary resuscitation and return of spontaneous circulation: A systematic review and meta-analysis. <i>Resuscitation</i> , 2021 , 159, 19-27	4	9
88	Virtual laryngoscopy and combined laryngoscopic-bronchoscopic approach for safe management of obstructive upper airways lesions. <i>British Journal of Anaesthesia</i> , 2014 , 113, 304-6	5.4	8
87	Off-pump or on-pump coronary-artery bypass grafting. <i>New England Journal of Medicine</i> , 2013 , 369, 196-205	59.2	8
86	Predatory Open-Access Publishing in Palliative and Supportive Care. <i>Journal of Pain and Symptom Management</i> , 2019 , 57, e1-e3	4.8	8
85	SnakeSIM: a ROS-based control and simulation framework for perception-driven obstacle-aided locomotion of snake robots. <i>Artificial Life and Robotics</i> , 2018 , 23, 449-458	0.6	7
84	Liver function test abnormalities after traumatic brain injury: is hepato-biliary ultrasound a sensitive diagnostic tool?. <i>British Journal of Anaesthesia</i> , 2014 , 112, 298-303	5.4	7
83	Clinical biomarkers in brain injury: a lesson from cardiac arrest. <i>Frontiers in Bioscience - Scholar</i> , 2010 , 2, 623-40	2.4	7
82	The optimal hemodynamics management of post-cardiac arrest shock. <i>Baillieres Best Practice and Research in Clinical Anaesthesiology</i> , 2015 , 29, 485-95	4	6
81	A Benchmarking Framework for Control Methods of Maritime Cranes Based on the Functional Mockup Interface. <i>IEEE Journal of Oceanic Engineering</i> , 2018 , 43, 468-483	3.3	6
80	Short-acting β -blocker administration in patients with septic shock. <i>JAMA - Journal of the American Medical Association</i> , 2014 , 311, 736	27.4	6
79	Perioperative management of an adult patient with childhood cerebral X-linked adrenoleukodystrophy. <i>European Journal of Anaesthesiology</i> , 2010 , 27, 214-6	2.3	6
78	The Effects of On-Pump and Off-Pump Coronary Artery Bypass Surgery on Respiratory Function in the Early Postoperative Period. <i>Journal of Intensive Care Medicine</i> , 2019 , 34, 126-132	3.3	6
77	COVID-19, Hypercoagulability, and Cautiousness with Convalescent Plasma. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2021 , 203, 257-258	10.2	6

76	The role of speckle tracking echocardiography for prognostication in patients with severe sepsis or septic shock. <i>Critical Care</i> , 2016 , 20, 284	10.8	5
75	The Effects of On-Pump and Off-Pump Coronary Artery Bypass Surgery on Metabolic Profiles in the Early Postoperative Period. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2016 , 30, 909-16	2.1	5
74	A 4-year implementation strategy of aggressive post-resuscitation care and temperature management after cardiac arrest. <i>Resuscitation</i> , 2014 , 85, 1251-6	4	5
73	Convalescent plasma for COVID-19: the risk of pulmonary embolism should not be underestimated!. <i>Critical Care</i> , 2020 , 24, 531	10.8	5
72	COVID-19-related echocardiographic patterns of cardiovascular dysfunction in critically ill patients: A systematic review of the current literature. <i>Journal of Critical Care</i> , 2021 , 65, 26-35	4	5
71	The importance of a "socially responsible" approach during COVID-19: the invisible heroes of science in Italy. <i>Critical Care</i> , 2020 , 24, 261	10.8	4
70	Systematic review of simulated airway management whilst wearing personal protective equipment. <i>British Journal of Anaesthesia</i> , 2020 , 125, e301-e305	5.4	4
69	Severe vasospastic angina complicated by multiple pulseless electrical activity arrests. <i>Lancet, The</i> , 2013 , 382, 478	40	4
68	Therapeutic hypothermia: heat transfer from warmed tracheal tubes to oesophageal temperature probes poses risk of life-threatening overcooling. <i>British Journal of Anaesthesia</i> , 2012 , 108, 328-9	5.4	4
67	Implementation of a nurse-led protocol for early extubation after cardiac surgery: A pilot study. <i>World Journal of Critical Care Medicine</i> , 2019 , 8, 28-35	3	4
66	Serpens, A Low-Cost Snake Robot with Series Elastic Torque-Controlled Actuators and A Screw-Less Assembly Mechanism 2019 ,		4
65	Micro-Thrombosis, Perfusion Defects, and Worsening Oxygenation in COVID-19 Patients: A Word of Caution on the Use of Convalescent Plasma. <i>Mayo Clinic Proceedings</i> , 2021 , 96, 259	6.4	4
64	Self-citation policies and journal self-citation rate among Critical Care Medicine journals. <i>Journal of Intensive Care</i> , 2021 , 9, 15	7	4
63	A Perspective Review on Integrating VR/AR with Haptics into STEM Education for Multi-Sensory Learning. <i>Robotics</i> , 2022 , 11, 41	2.8	4
62	Video Laryngoscopes and Best Rescue Strategy for Unexpected Difficult Airways: Do Not Forget a Combined Approach with Flexible Bronchoscopy!. <i>Anesthesiology</i> , 2017 , 126, 1203	4.3	3
61	Use of a Combined Laryngo-Bronchoscopy Approach in Difficult Airways Management: A Pilot Simulation Study. <i>Turkish Journal of Anaesthesiology and Reanimation</i> , 2019 , 47, 464-470	0.7	3
60	Successful spontaneous breathing trial, early reintubation and mechanisms of weaning failure. <i>Intensive Care Medicine</i> , 2020 , 46, 1960-1961	14.5	3
59	Virtual functional segmentation of snake robots for perception-driven obstacle-aided locomotion? 2016 ,		3

58	The Easytube for airway management: a systematic review of clinical and simulation studies. <i>Journal of Clinical Anesthesia</i> , 2016 , 31, 215-22	1.9	3
57	Self-citation policies in anaesthesiology journals. <i>British Journal of Anaesthesia</i> , 2021 , 126, e21-e25	5.4	3
56	A Wearable Haptic System for the Health Monitoring of Elderly People in Smart Cities. <i>International Journal of Online Engineering</i> , 2018 , 14, 52		3
55	Echocardiography findings in COVID-19 patients admitted to intensive care units: a multi-national observational study (the ECHO-COVID study).. <i>Intensive Care Medicine</i> , 2022 , 1	14.5	3
54	The importance of diastolic dysfunction in the development of weaning-induced pulmonary oedema. <i>Critical Care</i> , 2017 , 21, 29	10.8	2
53	Influence of the thoracic epidural anesthesia on the left ventricular function: an echocardiographic study. <i>Minerva Anestesiologica</i> , 2017 , 83, 695-704	1.9	2
52	Prevalence of burnout among intensive care physicians: a systematic review. <i>Revista Brasileira De Terapia Intensiva</i> , 2020 , 32, 458-467	1.2	2
51	Hemoperfusion and blood purification strategies in patients with COVID-19: A systematic review. <i>Artificial Organs</i> , 2021 , 45, 1466-1476	2.6	2
50	Echocardiographic Parameters and Mortality in Pediatric Sepsis: A Systematic Review and Meta-Analysis. <i>Pediatric Critical Care Medicine</i> , 2021 , 22, 251-261	3	2
49	Importance of inclusion criteria in systematic reviews. <i>British Journal of Anaesthesia</i> , 2020 , 125, e398-e399	3.4	2
48	A Low-Cost Multi-modal Auditory-Visual-Tactile Framework for Remote Touch 2020 ,		2
47	Transoesophageal echocardiography skills. <i>Anaesthesia</i> , 2016 , 71, 598	6.6	2
46	Training and Accreditation Pathways in Critical Care and Perioperative Echocardiography. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2021 , 35, 235-247	2.1	2
45	A Trajectory-Driven 3D Non-Stationary mm-Wave MIMO Channel Model for a Single Moving Point Scatterer. <i>IEEE Access</i> , 2021 , 9, 115990-116001	3.5	2
44	Adaptive ML-based technique for renewable energy system power forecasting in hybrid PV-Wind farms power conversion systems. <i>Energy Conversion and Management</i> , 2022 , 258, 115564	10.6	2
43	Influence of Thrombolysis and Mechanical Ventilation on Echocardiographic Predictors of Survival after Acute Pulmonary Embolism. <i>Journal of the American Society of Echocardiography</i> , 2015 , 28, 846	5.8	1
42	2016 ,		1
41	Impact of Sternotomy and Pericardial Opening in Patients With Ventricular Septal Defects: Assess Before Sawing!. <i>Anesthesia and Analgesia</i> , 2017 , 125, 1073	3.9	1

40	. <i>Thrombosis Research</i> , 2022 , 211, 148-149	8.2	1
39	Effects and timing of tranexamic acid on transfusion requirements in patients undergoing cardiac surgery with cardiopulmonary bypass. <i>Anesthesiology</i> , 2014 , 121, 902	4.3	1
38	Aquatic Surface Robots: the State of the Art, Challenges and Possibilities 2020 ,		1
37	Acute Respiratory Distress Syndrome in the Perioperative Period of Cardiac Surgery: Predictors, Diagnosis, Prognosis, Management Options, and Future Directions. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2021 ,	2.1	1
36	Establishing the role of cerebral oximetry during cardio-pulmonary resuscitation of cardiac arrest patients. <i>Resuscitation</i> , 2021 , 164, 1-3	4	1
35	A robust two-feedback loops position control algorithm for compliant low-cost series elastic actuators* 2019 ,		1
34	Getting the most from the subcostal view: The rescue window for intensivists. <i>Journal of Critical Care</i> , 2021 , 63, 202-210	4	1
33	The value of E/e' ratio in critically ill patients should not be underestimated. <i>Echocardiography</i> , 2021 , 38, 155-156	1.5	1
32	Modelling and Control of a 2-DOF Robot Arm with Elastic Joints for Safe Human-Robot Interaction. <i>Frontiers in Robotics and AI</i> , 2021 , 8, 679304	2.8	1
31	The value of subcostal echocardiographic assessment, and directions for future research.. <i>Canadian Journal of Anaesthesia</i> , 2022 , 1	3	1
30	The Redesigned Serpens, a Low-Cost, Highly Compliant Snake Robot. <i>Robotics</i> , 2022 , 11, 42	2.8	1
29	Timing of intubation, beds in intensive care and inter-hospital transfer: rings of a complex chain during pandemic conditions.. <i>Critical Care</i> , 2022 , 26, 44	10.8	0
28	Monitoring of cerebral oxygenation during cardiopulmonary resuscitation may dramatically reduce the incidence of severe hyperoxia. <i>Resuscitation</i> , 2021 ,	4	0
27	Ten answers to key questions for fluid management in intensive care. <i>Medicina Intensiva (English Edition)</i> , 2021 , 45, 552-562	0.2	0
26	Author self-citation policies, the influence on journals' impact factors, and self-citation rate in general surgery. <i>European Surgery - Acta Chirurgica Austriaca</i> , 2021 , 53, 329	0.9	0
25	The Aquatic Surface Robot (AnSweR), a Lightweight, Low Cost, Multipurpose Unmanned Research Vessel. <i>Communications in Computer and Information Science</i> , 2021 , 251-265	0.3	0
24	Trial sequential analysis on video laryngoscopy vs direct laryngoscopy for nasotracheal intubation in oro-maxillofacial surgery. <i>Korean Journal of Anesthesiology</i> , 2021 ,	3.8	0
23	Mortality reduction with levosimendan in patients with heart failure: Current evidence is underpowered. <i>Cardiology Journal</i> , 2021 , 28, 798-799	1.4	0

22	Artificial Intelligence and Left Ventricular Diastolic Function Assessment: A New Tool for Improved Practice?. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2021 , 35, 2834	2.1	o
21	Continuous Erector Spinae Plane Block as Postoperative Analgesic Technique for Robotic-Assisted Thoracic Surgery: A Case Series. <i>Journal of Pain Research</i> , 2021 , 14, 3067-3072	2.9	o
20	Diastolic Function and Positive Airway Pressure: More Research Is Warranted.. <i>Respiration</i> , 2022 , 1-3	3.7	o
19	A Novel Adaptive Sliding Mode Controller for a 2-DOF Elastic Robotic Arm. <i>Robotics</i> , 2022 , 11, 47	2.8	o
18	Caution Is Warranted When Assessing Diastolic Function Using Transesophageal Echocardiography. Comment on Kyle et al. Consensus Defined Diastolic Dysfunction and Cardiac Postoperative Morbidity Score: A Prospective Observational Study. <i>J. Clin. Med.</i> 2021, 10, 5198. <i>Journal of Clinical Medicine</i> , 2022 , 11, 3105	5.1	o
17	Reply: The Role of Intraoperative Management on Postoperative Hemodynamic and Metabolic Profile After Coronary Artery Bypass Grafting. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2017 , 31, e9-e10	2.1	
16	Management of difficult airways: which is the safest approach after reviewing virtual laryngo-tracheo-bronchoscopy imaging?. <i>Anesthesiology</i> , 2015 , 122, 469	4.3	
15	Limited echocardiography in the management of critically ill patients in shock. <i>Journal of Critical Care</i> , 2015 , 30, 430	4	
14	Major changes in practice and interpreting data from the past. <i>BMJ, The</i> , 2014 , 348, g1131	5.9	
13	Duration of Clinical Benefit Produced by Intraoperative Ketamine Administration in Bariatric Surgery: More Research Is Warranted! : Letter to Editor on the Recently Published Article: Hung KC, Wu SC, Chang PC, Chen IW, Hsing CH, Lin CM, et al. Impact of Intraoperative Ketamine on Postoperative Analgesic Requirement Following Bariatric Surgery: a Meta-analysis of Randomized	3.7	
12	Mortality in Critically Ill Patients Does Not Differ according to Transfusion Strategy.. <i>Transfusion Medicine and Hemotherapy</i> , 2022 , 49, 62-64	4.2	
11	COVID-19, pneumomediastinum and echocardiography: friends or foes?. <i>Minerva Anestesiologica</i> , 2021 , 87, 739-740	1.9	
10	Assessment of ventriculo-arterial coupling from peripheral waveform analysis in septic shock. Reply to Br J Anaesth 2021; 126: e101-2. <i>British Journal of Anaesthesia</i> , 2021 , 127, e17-e19	5.4	
9	The authors reply. <i>Critical Care Medicine</i> , 2019 , 47, e722-e723	1.4	
8	The authors reply. <i>Critical Care Medicine</i> , 2019 , 47, e432-e433	1.4	
7	The authors reply. <i>Critical Care Medicine</i> , 2019 , 47, e1041-e1042	1.4	
6	COVID-19: a boost for intensive care authorship?. <i>British Journal of Anaesthesia</i> , 2021 , 127, e185-e187	5.4	
5	Systolic dysfunction and mortality in critically ill patients: more data are needed to believe in this association!. <i>ESC Heart Failure</i> , 2022 ,	3.7	

- 4 Transthoracic echocardiography is very valuable and not overused in surgical and trauma intensive care!. *Injury*, **2022**, 2.5
- 3 Forward Kinematic Modelling with Radial Basis Function Neural Network Tuned with a Novel Meta-Heuristic Algorithm for Robotic Manipulators. *Robotics*, **2022**, 11, 43 2.8
- 2 The strong rationale for the use of dexmedetomidine instead of fentanyl as adjuvant to ropivacaine for epidural anaesthesia.. *International Journal of Clinical Practice*, **2021**, 75, e14960 2.9
- 1 Assessing left ventricular diastolic function in prone position.. *Journal of Ultrasound*, **2022**, 3.4