

Francesco Garzotto

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

71
papers

2,128
citations

19
h-index

45
g-index

75
ext. papers

2,476
ext. citations

4
avg, IF

4.4
L-index

#	Paper	IF	Citations
71	Plasma neutrophil gelatinase-associated lipocalin is an early biomarker for acute kidney injury in an adult ICU population. <i>Intensive Care Medicine</i> , 2010 , 36, 444-51	14.5	788
70	Fluid balance and urine volume are independent predictors of mortality in acute kidney injury. <i>Critical Care</i> , 2013 , 17, R14	10.8	159
69	Continuous renal replacement therapy in neonates and small infants: development and first-in-human use of a miniaturised machine (CARPEDIEM). <i>Lancet, The</i> , 2014 , 383, 1807-13	40	144
68	Prospective multicenter study on epidemiology of acute kidney injury in the ICU: a critical care nephrology Italian collaborative effort (NEFROINT). <i>Minerva Anestesiologica</i> , 2011 , 77, 1072-83	1.9	85
67	The Dose Response Multicentre Investigation on Fluid Assessment (DoReMIFA) in critically ill patients. <i>Critical Care</i> , 2016 , 20, 196	10.8	80
66	Nomenclature for renal replacement therapy in acute kidney injury: basic principles. <i>Critical Care</i> , 2016 , 20, 318	10.8	78
65	Nomenclature for renal replacement therapy and blood purification techniques in critically ill patients: practical applications. <i>Critical Care</i> , 2016 , 20, 283	10.8	56
64	RIFLE-based data collection/management system applied to a prospective cohort multicenter Italian study on the epidemiology of acute kidney injury in the intensive care unit. <i>Blood Purification</i> , 2011 , 31, 159-71	3.1	37
63	Effect of vitamin E-coated dialysis membranes on anemia in patients with chronic kidney disease: an Italian multicenter study. <i>International Journal of Artificial Organs</i> , 2008 , 31, 545-52	1.9	35
62	Utilization of small changes in serum creatinine with clinical risk factors to assess the risk of AKI in critically ill adults. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2014 , 9, 663-72	6.9	29
61	Remote Monitoring of Automated Peritoneal Dialysis Improves Personalization of Dialytic Prescription and Patient's Independence. <i>Blood Purification</i> , 2018 , 46, 111-117	3.1	28
60	The role of advanced oxidation protein products in intensive care unit patients with acute kidney injury. <i>Journal of Critical Care</i> , 2010 , 25, 605-9	4	28
59	Effects of fluid overload on heart rate variability in chronic kidney disease patients on hemodialysis. <i>BMC Nephrology</i> , 2014 , 15, 26	2.7	27
58	CVVHD treatment with CARPEDIEM: small solute clearance at different blood and dialysate flows with three different surface area filter configurations. <i>Pediatric Nephrology</i> , 2016 , 31, 1659-65	3.2	24
57	A wearable artificial kidney: technical requirements and potential solutions. <i>Expert Review of Medical Devices</i> , 2011 , 8, 567-79	3.5	23
56	Tissue inhibitor metalloproteinase-2 (TIMP-2) IGF-binding protein-7 (IGFBP7) levels are associated with adverse outcomes in patients in the intensive care unit with acute kidney injury. <i>Kidney International</i> , 2019 , 95, 1486-1493	9.9	22
55	Modeling of Internal Filtration in TheraNova Hemodialyzers. <i>Contributions To Nephrology</i> , 2017 , 191, 127-141	1.6	21

54	The evolution of pediatric continuous renal replacement therapy. <i>Nephron Clinical Practice</i> , 2014 , 127, 172-5			19
53	The future of critical care: renal support in 2027. <i>Critical Care</i> , 2017 , 21, 92	10.8		18
52	Predicting Acute Kidney Injury in Intensive Care Unit Patients: The Role of Tissue Inhibitor of Metalloproteinases-2 and Insulin-Like Growth Factor-Binding Protein-7 Biomarkers. <i>Blood Purification</i> , 2018 , 45, 270-277	3.1		18
51	Multidisciplinary evaluation for severity of hazards applied to hemodialysis devices: an original risk analysis method. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2010 , 5, 2004-17	6.9		18
50	In vitro Cytotoxicity of Bisphenol A in Monocytes Cell Line. <i>Blood Purification</i> , 2015 , 40, 180-6	3.1		16
49	Backfiltration: past, present and future. <i>Contributions To Nephrology</i> , 2011 , 175, 35-45	1.6		16
48	Wak engineering evolution. <i>Blood Purification</i> , 2015 , 39, 110-4	3.1		15
47	Enhancement of solute removal in a hollow-fiber hemodialyzer by mechanical vibration. <i>Blood Purification</i> , 2011 , 31, 227-34	3.1		15
46	Continuous kidney replacement therapy in critically ill neonates and infants: a retrospective analysis of clinical results with a dedicated device. <i>Pediatric Nephrology</i> , 2020 , 35, 1699-1705	3.2		14
45	The forgotten role of central volume in low frequency oscillations of heart rate variability. <i>PLoS ONE</i> , 2015 , 10, e0120167	3.7		14
44	Effects of dialysate flow configurations in continuous renal replacement therapy on solute removal: computational modeling. <i>Blood Purification</i> , 2013 , 35, 106-11	3.1		14
43	Removal of neutrophil gelatinase-associated lipocalin by extracorporeal therapies. <i>Hemodialysis International</i> , 2010 , 14, 302-7	1.7		14
42	Multidimensional Classification of Dialysis Membranes. <i>Contributions To Nephrology</i> , 2017 , 191, 115-126	1.6		12
41	Fistula Cannulation with a Novel Fistula Cannula: A Review of Cannulation Devices and Procedures. <i>Blood Purification</i> , 2018 , 45, 278-283	3.1		11
40	Wearable devices for blood purification: principles, miniaturization, and technical challenges. <i>Seminars in Dialysis</i> , 2015 , 28, 125-30	2.5		11
39	Data analytics for continuous renal replacement therapy: historical limitations and recent technology advances. <i>International Journal of Artificial Organs</i> , 2016 , 39, 399-406	1.9		11
38	Continuous Veno-Venous Hemodialysis Using the Cardio-Renal Pediatric Dialysis Emergency Machine™: First Clinical Experiences. <i>Blood Purification</i> , 2019 , 47, 149-155	3.1		11
37	Therapeutic Plasma Exchange in Neonates and Infants: Successful Use of a Miniaturized Machine. <i>Blood Purification</i> , 2017 , 44, 100-105	3.1		10

36	Continuous real-time urine output monitoring for early detection of acute kidney injury. <i>Contributions To Nephrology</i> , 2011 , 171, 194-200	1.6	10
35	Initiation of renal replacement therapy in the intensive care unit in Vicenza (IRRIV) score. <i>Blood Purification</i> , 2015 , 39, 246-257	3.1	9
34	COVID-19: ensuring our medical equipment can meet the challenge. <i>Expert Review of Medical Devices</i> , 2020 , 17, 483-489	3.5	9
33	Evaluating Nephrocheck as a Predictive Tool for Acute Kidney Injury. <i>International Journal of Nephrology and Renovascular Disease</i> , 2020 , 13, 85-96	2.5	9
32	Prospective, Randomized, Multicenter, Controlled Trial (TRIATHRON 1) on a New Antithrombogenic Hydrophilic Dialysis Membrane. <i>International Journal of Artificial Organs</i> , 2017 , 40, 234-239	1.9	9
31	A Continuous Renal Replacement Therapy Protocol for Patients with Acute Kidney Injury in Intensive Care Unit with COVID-19. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	9
30	Perfluorocarbon solutions limit tubular epithelial cell injury and promote CD133+ kidney progenitor differentiation: potential use in renal assist devices for sepsis-associated acute kidney injury and multiple organ failure. <i>Nephrology Dialysis Transplantation</i> , 2018 , 33, 1110-1121	4.3	8
29	Technical aspects of extracorporeal ultrafiltration: mechanisms, monitoring and dedicated technology. <i>Contributions To Nephrology</i> , 2010 , 164, 199-208	1.6	8
28	Statin therapy is associated with decreased small, dense low-density lipoprotein levels in patients undergoing peritoneal dialysis. <i>Contributions To Nephrology</i> , 2012 , 178, 111-115	1.6	7
27	Blood pressure variability and cardiovascular autonomic control during hemodialysis in peripheral vascular disease patients. <i>Physiological Measurement</i> , 2012 , 33, 667-78	2.9	7
26	Choice of Catheter Size for Infants in Continuous Renal Replacement Therapy: Bigger Is Not Always Better. <i>Pediatric Critical Care Medicine</i> , 2019 , 20, e170-e179	3	7
25	Computational modeling of effects of mechanical shaking on hemodynamics in hollow fibers. <i>International Journal of Artificial Organs</i> , 2012 , 35, 301-7	1.9	6
24	Evaluation of a new polysulfone hemofilter for continuous renal replacement therapy. <i>Blood Purification</i> , 2011 , 32, 133-8	3.1	6
23	Standardized Protocol for Hemodialysis Vascular Access Assessment: The Role of Ultrasound and ColorDoppler. <i>Blood Purification</i> , 2018 , 45, 260-269	3.1	5
22	Con-Current versus Counter-Current Dialysate Flow during CVVHD. A Comparative Study for Creatinine and Urea Removal. <i>Blood Purification</i> , 2016 , 41, 171-6	3.1	5
21	Preventing infectious diseases in Intensive Care Unit by medical devices remote control: Lessons from COVID-19. <i>Journal of Critical Care</i> , 2021 , 61, 119-124	4	5
20	Pumps in wearable ultrafiltration devices: pumps in wuf devices. <i>Blood Purification</i> , 2015 , 39, 115-24	3.1	4
19	Nomenclature for renal replacement therapies in chronic patients. <i>Nephrology Dialysis Transplantation</i> , 2020 , 35, 933-936	4.3	3

18	Development of the New Kibou□ Equipment for Continuous Renal Replacement Therapy from Scratch to the Final Configuration. <i>Contributions To Nephrology</i> , 2017 , 190, 58-70	1.6	3
17	New option for the treatment of hyperbilirubinemia: in vitro direct hemoperfusion with the Lixelle S-35. <i>International Journal of Artificial Organs</i> , 2014 , 37, 816-23	1.9	3
16	Preoperative non-palpable breast lesion localization, innovative techniques and clinical outcomes in surgical practice: A systematic review and meta-analysis. <i>Breast</i> , 2021 , 58, 93-105	3.6	3
15	Dynamic hemodialysis: a potential solution for middle molecule removal. <i>Contributions To Nephrology</i> , 2011 , 171, 107-112	1.6	2
14	Ultrasound for the Clinical Management of Vascular Access Cannulation and Needle Position in Hemodialysis Patients. <i>Ultrasound in Medicine and Biology</i> , 2020 , 46, 455-459	3.5	2
13	Photoinactivation of Biofilm by Dicationic Diaryl-Porphyrin. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	2
12	Modeling blood filtration in hollow fibers dialyzers coupled with patient's body dynamics. <i>Atti Della Accademia Nazionale Dei Lincei, Classe Di Scienze Fisiche, Matematiche E Naturali, Rendiconti Lincei Matematica E Applicazioni</i> , 2016 , 27, 369-412	0.7	1
11	Solute and Water Transport in Hemodialysis 2019 , 909-918.e1		1
10	Conceptual Design of a Mechatronic Biomedical Wearable Device for Blood Ultrafiltration. <i>Mechanisms and Machine Science</i> , 2017 , 89-96	0.3	1
9	An innovative technology for safe needle disconnection after hemodialysis. <i>Journal of Vascular Access</i> , 2011 , 12, 239-43	1.8	1
8	Relative blood volume monitoring during hemodialysis in end stage renal disease patients. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2010 , 2010, 5282-5	0.9	1
7	Influence of patients' clinical features at intensive care unit admission on performance of cell cycle arrest biomarkers in predicting acute kidney injury. <i>Clinical Chemistry and Laboratory Medicine</i> , 2020 , 59, 333-342	5.9	1
6	The Dialyzer Identification Code (DIC): A filter characteristics codification for dialyzer choice in renal replacement therapy. <i>Artificial Organs</i> , 2020 , 44, 1220-1223	2.6	1
5	Solute and Water Kinetics in Continuous Therapies 2019 , 1000-1005.e1		0
4	Impact of different hemodiafiltration solutions on ionemia in long-term CRRT. <i>International Journal of Artificial Organs</i> , 2021 , 44, 807-815	1.9	0
3	Hydrodynamic analysis of the miniaturized hemofilter for a wearable ultrafiltration device. <i>Blood Purification</i> , 2013 , 35, 127-32	3.1	
2	Study of the autonomic response in hemodialysis patients with different fluid overload levels. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2010 , 2010, 3796-9	0.9	
1	Alteration of autonomic blood pressure control during hemodialysis in peripheral vascular disease patients. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2011 , 2011, 5511-4	0.9	

