

Can Ince

List of Publications by Year in descending order

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Version: 2024-02-01

223
papers

14,746
citations

23567

58
h-index

20358

116
g-index

226
all docs

226
docs citations

226
times ranked

8293
citing authors

#	ARTICLE	IF	CITATIONS
1	Nitroglycerin in septic shock after intravascular volume resuscitation. <i>Lancet, The</i> , 2002, 360, 1395-1396.	13.7	1,014
2	Orthogonal polarization spectral imaging: A new method for study of the microcirculation. <i>Nature Medicine</i> , 1999, 5, 1209-1212.	30.7	793
3	How to evaluate the microcirculation: report of a round table conference. <i>Critical Care</i> , 2007, 11, R101.	5.8	685
4	The microcirculation is the motor of sepsis. <i>Critical Care</i> , 2005, 9, S13.	5.8	617
5	A Unified Theory of Sepsis-Induced Acute Kidney Injury. <i>Shock</i> , 2014, 41, 3-11.	2.1	602
6	Changes in the volume status of haemodialysis patients are reflected in sublingual microvascular perfusion. <i>Nephrology Dialysis Transplantation</i> , 2009, 24, 3487-3492.	0.7	569
7	Microcirculatory oxygenation and shunting in sepsis and shock. <i>Critical Care Medicine</i> , 1999, 27, 1369-1377.	0.9	512
8	The Endothelium in Sepsis. <i>Shock</i> , 2016, 45, 259-270.	2.1	453
9	Increasing arterial blood pressure with norepinephrine does not improve microcirculatory blood flow: a prospective study. <i>Critical Care</i> , 2009, 13, R92.	5.8	360
10	Hemodynamic coherence and the rationale for monitoring the microcirculation. <i>Critical Care</i> , 2015, 19, S8.	5.8	354
11	Second consensus on the assessment of sublingual microcirculation in critically ill patients: results from a task force of the European Society of Intensive Care Medicine. <i>Intensive Care Medicine</i> , 2018, 44, 281-299.	8.2	305
12	Endothelial Responses in Sepsis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020, 202, 361-370.	5.6	292
13	Relationship between sublingual and intestinal microcirculatory perfusion in patients with abdominal sepsis*. <i>Critical Care Medicine</i> , 2007, 35, 1055-1060.	0.9	290
14	Quantifying bedside-derived imaging of microcirculatory abnormalities in septic patients: a prospective validation study. <i>Critical Care</i> , 2005, 9, R601.	5.8	269
15	Renal Hypoxia and Dysoxia After Reperfusion of the Ischemic Kidney. <i>Molecular Medicine</i> , 2008, 14, 502-516.	4.4	241
16	Quantitative assessment of the microcirculation in healthy volunteers and in patients with septic shock*. <i>Critical Care Medicine</i> , 2012, 40, 1443-1448.	0.9	236
17	Comparison of OPS imaging and conventional capillary microscopy to study the human microcirculation. <i>Journal of Applied Physiology</i> , 2001, 91, 74-78.	2.5	205
18	Cytocam-IDF (incident dark field illumination) imaging for bedside monitoring of the microcirculation. <i>Intensive Care Medicine Experimental</i> , 2015, 3, 40.	1.9	183

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19	Measuring endothelial glycocalyx dimensions in humans: a potential novel tool to monitor vascular vulnerability. <i>Journal of Applied Physiology</i> , 2008, 104, 845-852.	2.5	170
20	Mitochondrial PO ₂ measured by delayed fluorescence of endogenous protoporphyrin IX. <i>Nature Methods</i> , 2006, 3, 939-945.	19.0	148
21	Intravenous fluid therapy in the perioperative and critical care setting: Executive summary of the International Fluid Academy (IFA). <i>Annals of Intensive Care</i> , 2020, 10, 64.	4.6	134
22	Levosimendan for resuscitating the microcirculation in patients with septic shock: a randomized controlled study. <i>Critical Care</i> , 2010, 14, R232.	5.8	132
23	Mechanisms of critical illness—classifying microcirculatory flow abnormalities in distributive shock. <i>Critical Care</i> , 2006, 10, 221.	5.8	131
24	Hemoadsorption with CytoSorb shows a decreased observed versus expected 28-day all-cause mortality in ICU patients with septic shock: a propensity-score-weighted retrospective study. <i>Critical Care</i> , 2019, 23, 317.	5.8	130
25	Effects of dobutamine on systemic, regional and microcirculatory perfusion parameters in septic shock: a randomized, placebo-controlled, double-blind, crossover study. <i>Intensive Care Medicine</i> , 2013, 39, 1435-1443.	8.2	129
26	Persistent low microcirculatory vessel density in nonsurvivors of sepsis in pediatric intensive care*. <i>Critical Care Medicine</i> , 2011, 39, 8-13.	0.9	126
27	International Study on Microcirculatory Shock Occurrence in Acutely Ill Patients*. <i>Critical Care Medicine</i> , 2015, 43, 48-56.	0.9	122
28	The role of renal hypoperfusion in development of renal microcirculatory dysfunction in endotoxemic rats. <i>Intensive Care Medicine</i> , 2011, 37, 1534-1542.	8.2	121
29	Systemic and microcirculatory responses to progressive hemorrhage. <i>Intensive Care Medicine</i> , 2009, 35, 556-564.	8.2	120
30	Microcirculation: Physiology, Pathophysiology, and Clinical Application. <i>Blood Purification</i> , 2020, 49, 143-150.	1.8	120
31	Comparison of 6% hydroxyethyl starch 130/0.4 and saline solution for resuscitation of the microcirculation during the early goal-directed therapy of septic patients. <i>Journal of Critical Care</i> , 2010, 25, 659.e1-659.e8.	2.2	114
32	In Vivo Mitochondrial Oxygen Tension Measured by a Delayed Fluorescence Lifetime Technique. <i>Biophysical Journal</i> , 2008, 95, 3977-3990.	0.5	113
33	Abnormal microcirculation in brain tumours during surgery. <i>Lancet, The</i> , 2001, 358, 1698-1699.	13.7	108
34	The role of vasoactive agents in the resuscitation of microvascular perfusion and tissue oxygenation in critically ill patients. <i>Intensive Care Medicine</i> , 2010, 36, 2004-2018.	8.2	108
35	Influence of the application of platelet-enriched plasma in oral mucosal wound healing. <i>Clinical Oral Implants Research</i> , 2007, 18, 133-139.	4.5	107
36	Fluid Resuscitation Does Not Improve Renal Oxygenation during Hemorrhagic Shock in Rats. <i>Anesthesiology</i> , 2010, 112, 119-127.	2.5	107

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37	Elevated central venous pressure is associated with impairment of microcirculatory blood flow in sepsis: a hypothesis generating post hoc analysis. <i>BMC Anesthesiology</i> , 2013, 13, 17.	1.8	99
38	Levosimendan but not norepinephrine improves microvascular oxygenation during experimental septic shock. <i>Critical Care Medicine</i> , 2008, 36, 1886-1891.	0.9	95
39	The effect of the transfusion of stored RBCs on intestinal microvascular oxygenation in the rat. <i>Transfusion</i> , 2001, 41, 1515-1523.	1.6	94
40	The rationale for microcirculatory guided fluid therapy. <i>Current Opinion in Critical Care</i> , 2014, 20, 301-308.	3.2	91
41	Dissociation between sublingual and gut microcirculation in the response to a fluid challenge in postoperative patients with abdominal sepsis. <i>Annals of Intensive Care</i> , 2014, 4, 39.	4.6	86
42	The Pathogenesis of Acute Kidney Injury and the Toxic Triangle of Oxygen, Reactive Oxygen Species and Nitric Oxide. <i>Contributions To Nephrology</i> , 2011, 174, 119-128.	1.1	85
43	The Heterogeneity of the Microcirculation in Critical Illness. <i>Clinics in Chest Medicine</i> , 2008, 29, 643-654.	2.1	80
44	Blood transfusions recruit the microcirculation during cardiac surgery. <i>Transfusion</i> , 2011, 51, 961-967.	1.6	79
45	Clinical review: Clinical imaging of the sublingual microcirculation in the critically ill - where do we stand?. <i>Critical Care</i> , 2012, 16, 224.	5.8	78
46	Microcirculatory and mitochondrial hypoxia in sepsis, shock, and resuscitation. <i>Journal of Applied Physiology</i> , 2016, 120, 226-235.	2.5	78
47	Dual-wavelength phosphorimetry for determination of cortical and subcortical microvascular oxygenation in rat kidney. <i>Journal of Applied Physiology</i> , 2006, 100, 1301-1310.	2.5	76
48	Clinical review: Circulatory shock - an update: a tribute to Professor Max Harry Weil. <i>Critical Care</i> , 2012, 16, 239.	5.8	73
49	Microcirculation in Acute and Chronic Kidney Diseases. <i>American Journal of Kidney Diseases</i> , 2015, 66, 1083-1094.	1.9	73
50	Changes in buccal microcirculation following extracorporeal membrane oxygenation in term neonates with severe respiratory failure*. <i>Critical Care Medicine</i> , 2009, 37, 1121-1124.	0.9	71
51	MicroTools enables automated quantification of capillary density and red blood cell velocity in handheld vital microscopy. <i>Communications Biology</i> , 2019, 2, 217.	4.4	67
52	Inducible nitric oxide synthase inhibition improves intestinal microcirculatory oxygenation and CO2 balance during endotoxemia in pigs. <i>Intensive Care Medicine</i> , 2005, 31, 985-992.	8.2	66
53	Perioperative Quality Initiative consensus statement on the physiology of arterial blood pressure control in perioperative medicine. <i>British Journal of Anaesthesia</i> , 2019, 122, 542-551.	3.4	66
54	Heart, kidney, and intestine have different tolerances for anemia. <i>Translational Research</i> , 2008, 151, 110-117.	5.0	65

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55	Dynamic Contrast-Enhanced Ultrasound Identifies Microcirculatory Alterations in Sepsis-Induced Acute Kidney Injury. <i>Critical Care Medicine</i> , 2018, 46, 1284-1292.	0.9	65
56	Distinct Alterations in Sublingual Microcirculatory Blood Flow and Hemoglobin Oxygenation in On-Pump and Off-Pump Coronary Artery Bypass Graft Surgery. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2011, 25, 784-790.	1.3	64
57	Mitochondrial oxygen tension within the heart. <i>Journal of Molecular and Cellular Cardiology</i> , 2009, 46, 943-951.	1.9	63
58	NONRESUSCITATED ENDOTOXEMIA INDUCES MICROCIRCULATORY HYPOXIC AREAS IN THE RENAL CORTEX IN THE RAT. <i>Shock</i> , 2009, 31, 97-103.	2.1	60
59	Quantitative determination of localized tissue oxygen concentration in vivo by two-photon excitation phosphorescence lifetime measurements. <i>Journal of Applied Physiology</i> , 2004, 97, 1962-1969.	2.5	59
60	Functional evaluation of sublingual microcirculation indicates successful weaning from VA-ECMO in cardiogenic shock. <i>Critical Care</i> , 2017, 21, 265.	5.8	58
61	The renal microcirculation in sepsis. <i>Nephrology Dialysis Transplantation</i> , 2015, 30, 169-177.	0.7	57
62	Microcirculatory assessment of patients under VA-ECMO. <i>Critical Care</i> , 2016, 20, 344.	5.8	57
63	Monitoring microcirculation in critical illness. <i>Current Opinion in Critical Care</i> , 2016, 22, 444-452.	3.2	56
64	Current practice and evolving concepts in septic shock resuscitation. <i>Intensive Care Medicine</i> , 2022, 48, 148-163.	8.2	55
65	Plasma Free Hemoglobin and Microcirculatory Response to Fresh or Old Blood Transfusions in Sepsis. <i>PLoS ONE</i> , 2015, 10, e0122655.	2.5	54
66	Preoperative right heart hemodynamics predict postoperative acute kidney injury after heart transplantation. <i>Intensive Care Medicine</i> , 2018, 44, 588-597.	8.2	52
67	Rapid automatic assessment of microvascular density in sidestream dark field images. <i>Medical and Biological Engineering and Computing</i> , 2011, 49, 1269-1278.	2.8	50
68	Direct observation of human microcirculation during decompressive craniectomy after stroke*. <i>Critical Care Medicine</i> , 2011, 39, 1126-1129.	0.9	49
69	Monitoring of renal venous Po ₂ and kidney oxygen consumption in rats by a near-infrared phosphorescence lifetime technique. <i>American Journal of Physiology - Renal Physiology</i> , 2008, 294, F676-F681.	2.7	46
70	Iloprost preserves renal oxygenation and restores kidney function in endotoxemia-related acute renal failure in the rat. <i>Critical Care Medicine</i> , 2009, 37, 1423-1432.	0.9	46
71	Withdrawing intra-aortic balloon pump support paradoxically improves microvascular flow. <i>Critical Care</i> , 2010, 14, R161.	5.8	45
72	Microvascular and Interstitial Oxygen Tension in the Renal Cortex and Medulla Studied in A 4-H Rat Model of LPS-Induced Endotoxemia. <i>Shock</i> , 2011, 36, 83-89.	2.1	45

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73	Physiological Biomarkers of Acute Kidney Injury: A Conceptual Approach to Improving Outcomes. Contributions To Nephrology, 2013, 182, 65-81.	1.1	45
74	MicroDAIMON study: Microcirculatory DAILY MONitoring in critically ill patients: a prospective observational study. Annals of Intensive Care, 2018, 8, 64.	4.6	45
75	The Microcirculation of the Septic Kidney. Seminars in Nephrology, 2015, 35, 75-84.	1.6	44
76	A comparison of the quality of image acquisition between the incident dark field and sidestream dark field video-microscopes. BMC Medical Imaging, 2016, 16, 10.	2.7	41
77	Assessment of sublingual microcirculation in critically ill patients: consensus and debate. Annals of Translational Medicine, 2020, 8, 793-793.	1.7	41
78	Monitoring microcirculation. Bailliere's Best Practice and Research in Clinical Anaesthesiology, 2016, 30, 407-418.	4.0	40
79	Glycocalyx Degradation Is Independent of Vascular Barrier Permeability Increase in Nontraumatic Hemorrhagic Shock in Rats. Anesthesia and Analgesia, 2019, 129, 598-607.	2.2	39
80	Capillary Leukocytes, Microaggregates, and the Response to Hypoxemia in the Microcirculation of Coronavirus Disease 2019 Patients. Critical Care Medicine, 2021, 49, 661-670.	0.9	39
81	Acute Kidney Injury and Fluid Resuscitation in Septic Patients: Are We Protecting the Kidney?. Nephron, 2019, 143, 170-173.	1.8	37
82	The case for 0.9% NaCl: is the undefendable, defensible?. Kidney International, 2014, 86, 1087-1095.	5.2	36
83	Comparison of the Effects of Sevoflurane, Isoflurane, and Desflurane on Microcirculation in Coronary Artery Bypass Graft Surgery. Journal of Cardiothoracic and Vascular Anesthesia, 2012, 26, 791-798.	1.3	35
84	Automated Algorithm Analysis of Sublingual Microcirculation in an International Multicenter Database Identifies Alterations Associated With Disease and Mechanism of Resuscitation. Critical Care Medicine, 2020, 48, e864-e875.	0.9	35
85	Recruitment of nonperfused sublingual capillaries increases microcirculatory oxygen extraction capacity throughout ascent to 7126Åm. Journal of Physiology, 2019, 597, 2623-2638.	2.9	34
86	Red blood cell transfusion compared with gelatin solution and no infusion after cardiac surgery: effect on microvascular perfusion, vascular density, hemoglobin, and oxygen saturation. Transfusion, 2012, 52, 2452-2458.	1.6	33
87	Similar Microcirculatory Alterations in Patients with Normodynamic and Hyperdynamic Septic Shock. Annals of the American Thoracic Society, 2015, 13, 240-7.	3.2	33
88	Blood urea nitrogen (BUN) independently predicts mortality in critically ill patients admitted to ICU: A multicenter study. Clinical Hemorheology and Microcirculation, 2018, 69, 123-131.	1.7	33
89	Successful Reduction of Creatine Kinase and Myoglobin Levels in Severe Rhabdomyolysis Using Extracorporeal Blood Purification (CytoSorb®). Blood Purification, 2020, 49, 743-747.	1.8	33
90	The microcirculatory response to compensated hypovolemia in a lower body negative pressure model. Microvascular Research, 2011, 82, 374-380.	2.5	32

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91	Blood transfusion improves renal oxygenation and renal function in sepsis-induced acute kidney injury in rats. <i>Critical Care</i> , 2016, 20, 406.	5.8	32
92	To beta block or not to beta block; that is the question. <i>Critical Care</i> , 2015, 19, 339.	5.8	30
93	Effects of a human recombinant alkaline phosphatase on renal hemodynamics, oxygenation and inflammation in two models of acute kidney injury. <i>Toxicology and Applied Pharmacology</i> , 2016, 313, 88-96.	2.8	30
94	The macro- and microcirculation of the kidney. <i>Bailliere's Best Practice and Research in Clinical Anaesthesiology</i> , 2017, 31, 315-329.	4.0	30
95	Microcirculation follows macrocirculation in heart and gut in the acute phase of hemorrhagic shock and isovolemic autologous whole blood resuscitation in pigs. <i>Transfusion</i> , 2012, 52, 1552-1559.	1.6	29
96	Fluid therapy and the hypovolemic microcirculation. <i>Current Opinion in Critical Care</i> , 2015, 21, 276-284.	3.2	29
97	Comparison of Different Methods for the Calculation of the Microvascular Flow Index. <i>Critical Care Research and Practice</i> , 2012, 2012, 1-6.	1.1	28
98	The Central Role of Renal Microcirculatory Dysfunction in the Pathogenesis of Acute Kidney Injury. <i>Nephron Clinical Practice</i> , 2014, 127, 124-128.	2.3	28
99	Excitation Pulse Deconvolution in Luminescence Lifetime Analysis for Oxygen Measurements In Vivo. <i>Photochemistry and Photobiology</i> , 2002, 76, 12.	2.5	28
100	Colloids and the Microcirculation. <i>Anesthesia and Analgesia</i> , 2018, 126, 1747-1754.	2.2	27
101	The effects of conventional extracorporeal circulation versus miniaturized extracorporeal circulation on microcirculation during cardiopulmonary bypass-assisted coronary artery bypass graft surgery. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2012, 15, 364-370.	1.1	26
102	Towards integrative physiological monitoring of the critically ill: from cardiovascular to microcirculatory and cellular function monitoring at the bedside. <i>Critical Care</i> , 2013, 17, S5.	5.8	26
103	Early microcirculatory impairment during therapeutic hypothermia is associated with poor outcome in post-cardiac arrest children: A prospective observational cohort study. <i>Resuscitation</i> , 2014, 85, 397-404.	3.0	26
104	The Effects of Arterial Hypertension and Age on the Sublingual Microcirculation of Healthy Volunteers and Outpatients with Cardiovascular Risk Factors. <i>Microcirculation</i> , 2015, 22, 485-492.	1.8	26
105	Personalized physiological medicine. <i>Critical Care</i> , 2017, 21, 308.	5.8	25
106	Identification and quantification of human microcirculatory leukocytes using handheld video microscopes at the bedside. <i>Journal of Applied Physiology</i> , 2018, 124, 1550-1557.	2.5	24
107	Acute Effects of Balanced Versus Unbalanced Colloid Resuscitation on Renal Macrocirculatory and Microcirculatory Perfusion During Endotoxemic Shock. <i>Shock</i> , 2012, 37, 205-209.	2.1	23
108	Assessment of endothelial cell function and physiological microcirculatory reserve by video microscopy using a topical acetylcholine and nitroglycerin challenge. <i>Intensive Care Medicine Experimental</i> , 2017, 5, 26.	1.9	23

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109	Intestinal and sublingual microcirculation are more severely compromised in hemodilution than in hemorrhage. <i>Journal of Applied Physiology</i> , 2016, 120, 1132-1140.	2.5	22
110	Systemic and microcirculatory effects of blood transfusion in experimental hemorrhagic shock. <i>Intensive Care Medicine Experimental</i> , 2017, 5, 24.	1.9	22
111	Machine learning using the extreme gradient boosting (XGBoost) algorithm predicts 5-day delta of SOFA score at ICU admission in COVID-19 patients. <i>Journal of Intensive Medicine</i> , 2021, 1, 110-116.	2.1	22
112	Recruitment of sublingual microcirculation using handheld incident dark field imaging as a routine measurement tool during the postoperative de-escalation phase—a pilot study in post ICU cardiac surgery patients. <i>Perioperative Medicine (London, England)</i> , 2018, 7, 18.	1.5	21
113	Vaginal microcirculation: Non-invasive anatomical examination of the micro-vessel architecture, tortuosity and capillary density. <i>Neurourology and Urodynamics</i> , 2015, 34, 723-729.	1.5	20
114	Impact of microcirculatory video quality on the evaluation of sublingual microcirculation in critically ill patients. <i>Journal of Clinical Monitoring and Computing</i> , 2017, 31, 981-988.	1.6	20
115	Could resuscitation be based on microcirculation data? Yes. <i>Intensive Care Medicine</i> , 2018, 44, 944-946.	8.2	20
116	Microcirculation in Cardiovascular Diseases. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2019, 33, 3458-3468.	1.3	20
117	Increasing Mean Arterial Blood Pressure and Heart Rate With Catecholaminergic Drugs Does Not Improve the Microcirculation in Children With Congenital Diaphragmatic Hernia. <i>Pediatric Critical Care Medicine</i> , 2014, 15, 343-354.	0.5	19
118	Effects of topical estrogen therapy on the vaginal microcirculation in women with vulvovaginal atrophy. <i>Neurourology and Urodynamics</i> , 2019, 38, 1298-1304.	1.5	19
119	Monitoring coherence between the macro and microcirculation in septic shock. <i>Current Opinion in Critical Care</i> , 2020, 26, 267-272.	3.2	19
120	Poor perfusion of the microvasculature in peritoneal metastases of ovarian cancer. <i>Clinical and Experimental Metastasis</i> , 2020, 37, 293-304.	3.3	19
121	Improved Survival beyond 28 Days up to 1 Year after CytoSorb Treatment for Refractory Septic Shock: A Propensity-Weighted Retrospective Survival Analysis. <i>Blood Purification</i> , 2021, 50, 539-545.	1.8	19
122	Haemodialysis Impairs the Human Microcirculation Independent from Macrohemodynamic Parameters. <i>Blood Purification</i> , 2015, 40, 38-44.	1.8	18
123	Reproducibility of Microvascular Vessel Density Analysis in Sidestream Dark-Field-Derived Images of Healthy Term Newborns. <i>Microcirculation</i> , 2015, 22, 37-43.	1.8	18
124	Focal depth measurements of the vaginal wall: a new method to noninvasively quantify vaginal wall thickness in the diagnosis and treatment of vaginal atrophy. <i>Menopause</i> , 2016, 23, 833-838.	2.0	18
125	Effects of N-acetylcysteine (NAC) supplementation in resuscitation fluids on renal microcirculatory oxygenation, inflammation, and function in a rat model of endotoxemia. <i>Intensive Care Medicine Experimental</i> , 2016, 4, 29.	1.9	17
126	Assessing the Microcirculation With Handheld Vital Microscopy in Critically Ill Neonates and Children: Evolution of the Technique and Its Potential for Critical Care. <i>Frontiers in Pediatrics</i> , 2019, 7, 273.	1.9	17

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127	Effects of the Infusion of 4% or 20% Human Serum Albumin on the Skeletal Muscle Microcirculation in Endotoxemic Rats. <i>PLoS ONE</i> , 2016, 11, e0151005.	2.5	17
128	Automated quantification of tissue red blood cell perfusion as a new resuscitation target. <i>Current Opinion in Critical Care</i> , 2020, 26, 273-280.	3.2	16
129	Microvascular Dysfunction in the Critically Ill. <i>Critical Care Clinics</i> , 2020, 36, 323-331.	2.6	15
130	A new ventilation inhomogeneity index from multiple breath indicator gas washout tests in mechanically ventilated patients. <i>Critical Care Medicine</i> , 1993, 21, 1149-1158.	0.9	14
131	Near infrared spectroscopy. <i>Critical Care Medicine</i> , 2009, 37, 384-385.	0.9	14
132	Evaluation of multi-exponential curve fitting analysis of oxygen-quenched phosphorescence decay traces for recovering microvascular oxygen tension histograms. <i>Medical and Biological Engineering and Computing</i> , 2010, 48, 1233-1242.	2.8	14
133	Sublingual Microvascular Changes in Patients With Cerebral Small Vessel Disease. <i>Stroke</i> , 2011, 42, 2071-2073.	2.0	13
134	Adaptation of the Cutaneous Microcirculation in Preterm Neonates. <i>Microcirculation</i> , 2016, 23, 468-474.	1.8	13
135	Hemodynamic coherence: Its meaning in perioperative and intensive care medicine. <i>Bailliere's Best Practice and Research in Clinical Anaesthesiology</i> , 2016, 30, 395-397.	4.0	13
136	Mycophenolate mofetil improves renal haemodynamics, microvascular oxygenation, and inflammation in a rat model of supra-renal aortic clamping-mediated renal ischaemia reperfusion injury. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2017, 44, 294-304.	1.9	13
137	Validation of noninvasive focal depth measurements to determine epithelial thickness of the vaginal wall. <i>Menopause</i> , 2019, 26, 1160-1165.	2.0	13
138	Quantitative Imaging of Microcirculatory Response During Nitroglycerin-Induced Hypotension. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2011, 25, 140-144.	1.3	12
139	A few of our favorite unconfirmed ideas. <i>Critical Care</i> , 2015, 19, S1.	5.8	12
140	Model for End-Stage Liver Disease Excluding INR (MELD-XI) score is associated with hemodynamic impairment and predicts mortality in critically ill patients. <i>European Journal of Internal Medicine</i> , 2018, 51, 80-84.	2.2	12
141	Endothelial dysfunction: a therapeutic target in bacterial sepsis?. <i>Expert Opinion on Therapeutic Targets</i> , 2021, 25, 733-748.	3.4	12
142	Use of sidestream dark-field (SDF) imaging for assessing the effects of high-dose melphalan and autologous stem cell transplantation on oral mucosal microcirculation in myeloma patients. <i>Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics</i> , 2010, 109, 91-97.	1.4	11
143	Ischemia-Reperfusion Injury and Anesthesia. <i>BioMed Research International</i> , 2014, 2014, 1-3.	1.9	11
144	Direct observation during surgery shows preservation of cerebral microcirculation in patients with traumatic brain injury. <i>Journal of the Neurological Sciences</i> , 2015, 353, 38-43.	0.6	11

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145	Why Rudolph's nose is red: observational study. <i>BMJ, The</i> , 2012, 345, e8311-e8311.	6.0	10
146	Effects of ketanserin on microcirculatory alterations in septic shock: An open-label pilot study. <i>Journal of Critical Care</i> , 2015, 30, 1156-1162.	2.2	10
147	Ultrafiltration rate is an important determinant of microcirculatory alterations during chronic renal replacement therapy. <i>BMC Nephrology</i> , 2017, 18, 71.	1.8	10
148	Intraoperative Incident Dark Field Imaging of the Human Peritoneal Microcirculation. <i>Journal of Vascular Research</i> , 2018, 55, 136-143.	1.4	10
149	Effects of fluid and norepinephrine resuscitation in a sheep model of endotoxin shock and acute kidney injury. <i>Journal of Applied Physiology</i> , 2019, 127, 788-797.	2.5	10
150	Cardio-Pulmonary-Renal Consequences of Severe COVID-19. <i>CardioRenal Medicine</i> , 2021, 11, 133-139.	1.9	10
151	Changes in labial capillary density on ascent to and descent from high altitude. <i>F1000Research</i> , 2016, 5, 2107.	1.6	10
152	Comments on Reinhart et al.: consensus statement of the ESICM task force on colloid volume therapy in critically ill patients. <i>Intensive Care Medicine</i> , 2012, 38, 1556-1557.	8.2	9
153	Understanding elevated Pv-aCO ₂ gap and Pv-aCO ₂ /Ca-vO ₂ ratio in venous hyperoxia condition. <i>Journal of Clinical Monitoring and Computing</i> , 2017, 31, 1321-1323.	1.6	9
154	A new complimentary web-based tool for manual analysis of microcirculation videos: Validation of the Capillary Mapper against the current gold standard <sc>AVA</sc> 3.2. <i>Microcirculation</i> , 2018, 25, e12505.	1.8	9
155	Assessment of hepatic microvascular flow and density in patients undergoing preoperative portal vein embolization. <i>Hpb</i> , 2019, 21, 187-194.	0.3	9
156	Intestinal Mucosal and Serosal Microcirculation at the Planned Anastomosis during Abdominal Surgery. <i>European Surgical Research</i> , 2019, 60, 248-256.	1.3	9
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