

Matthias Jacob

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

1,808
citations

567281

15
h-index

752698

20
g-index

24
all docs

24
docs citations

24
times ranked

1676
citing authors

#	ARTICLE	IF	CITATIONS
1	Hypervolemia increases release of atrial natriuretic peptide and shedding of the endothelial glycocalyx. <i>Critical Care</i> , 2014, 18, 538.	5.8	252
2	Endothelial glycocalyx and coronary vascular permeability: the fringe benefit. <i>Basic Research in Cardiology</i> , 2010, 105, 687-701.	5.9	219
3	Contrasting Effects of Colloid and Crystalloid Resuscitation Fluids on Cardiac Vascular Permeability. <i>Anesthesiology</i> , 2006, 104, 1223-1231.	2.5	189
4	Effect of Waxy Maize-derived Hydroxyethyl Starch 130/0.4 on Renal Function in Surgical Patients. <i>Anesthesiology</i> , 2013, 118, 387-394.	2.5	174
5	The endothelial glycocalyx affords compatibility of Starling's principle and high cardiac interstitial albumin levels. <i>Cardiovascular Research</i> , 2007, 73, 575-586.	3.8	156
6	Clinical update: perioperative fluid management. <i>Lancet, The</i> , 2007, 369, 1984-1986.	13.7	128
7	Regulation of blood flow and volume exchange across the microcirculation. <i>Critical Care</i> , 2016, 20, 319.	5.8	123
8	The "third space"™ " fact or fiction?. <i>Bailliere's Best Practice and Research in Clinical Anaesthesiology</i> , 2009, 23, 145-157.	4.0	122
9	Albumin Augmentation Improves Condition of Guinea Pig Hearts After 4 hr of Cold Ischemia. <i>Transplantation</i> , 2009, 87, 956-965.	1.0	121
10	Release of atrial natriuretic peptide precedes shedding of the endothelial glycocalyx equally in patients undergoing on- and off-pump coronary artery bypass surgery. <i>Basic Research in Cardiology</i> , 2011, 106, 1111-1121.	5.9	121
11	Small-volume resuscitation with hyperoncotic albumin: a systematic review of randomized clinical trials. <i>Critical Care</i> , 2008, 12, R34.	5.8	71
12	Sevoflurane mitigates shedding of hyaluronan from the coronary endothelium, also during ischemia/reperfusion: an ex vivo animal study. <i>Hypoxia (Auckland, N Z)</i> , 2016, 4, 81.	1.9	25
13	Twisting and ignoring facts on hydroxyethyl starch is not very helpful. <i>Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine</i> , 2013, 21, 85.	2.6	21
14	Current aspects of perioperative fluid handling in vascular surgery. <i>Current Opinion in Anaesthesiology</i> , 2009, 22, 100-108.	2.0	18
15	Development and validation of a mathematical algorithm for quantifying preoperative blood volume by means of the decrease in hematocrit resulting from acute normovolemic hemodilution. <i>Transfusion</i> , 2005, 45, 562-571.	1.6	16
16	RhEPO improves time to exhaustion by non-hematopoietic factors in humans. <i>European Journal of Applied Physiology</i> , 2016, 116, 623-633.	2.5	15
17	Fluid therapy and outcome: a prospective observational study in 65 German intensive care units between 2010 and 2011. <i>Annals of Intensive Care</i> , 2018, 8, 27.	4.6	15
18	Perspectives in Microvascular Fluid Handling: Does the Distribution of Coagulation Factors in Human Myocardium Comply with Plasma Extravasation in Venular Coronary Segments?. <i>Journal of Vascular Research</i> , 2011, 48, 219-226.	1.4	10

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19	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
20	A Prospective Observational Study of Rational Fluid Therapy in Asian Intensive Care Units: Another Puzzle Piece in Fluid Therapy. <i>Indian Journal of Critical Care Medicine</i> , 2020, 24, 1028-1036.	0.9	3
21	Authors' reply to the comments by Drs. Ring and Kellum. <i>Intensive Care Medicine</i> , 2006, 32, 481-482.	8.2	0
22	Authors' reply to the comments by Dr. Lang. <i>Intensive Care Medicine</i> , 2006, 32, 475-476.	8.2	0
23	Reply to. <i>European Journal of Anaesthesiology</i> , 2019, 36, 78-79.	1.7	0