

# Markus Velten

## List of Publications by Year in descending order

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Version: 2024-02-01

52  
papers

1,099  
citations

361045

20  
h-index

414034

32  
g-index

56  
all docs

56  
docs citations

56  
times ranked

1821  
citing authors

#	ARTICLE	IF	CITATIONS
1	Digital Online Anaesthesia Patient Informed Consent before Elective Diagnostic Procedures or Surgery: Recent Practice in Children – An Exploratory ESAIC Survey (2021). <i>Journal of Clinical Medicine</i> , 2022, 11, 502.	1.0	5
2	Preoperative anaemia and red blood cell transfusion in patients with aneurysmal subarachnoid and intracerebral haemorrhage – a multicentre subanalysis of the German PBM Network Registry. <i>Acta Neurochirurgica</i> , 2022, 164, 985-999.	0.9	3
3	A rare case of minimally invasive myxoma extirpation with insufficient venous drainage due to a persistent left superior vena cava. <i>Echocardiography</i> , 2022, 39, 739-740.	0.3	0
4	Aneurysmal Subarachnoid Hemorrhage during the Shutdown for COVID-19. <i>Journal of Clinical Medicine</i> , 2022, 11, 2555.	1.0	3
5	Glutathione reductase deficiency alters lung development and hyperoxic responses in neonatal mice. <i>Redox Biology</i> , 2021, 38, 101797.	3.9	16
6	Validation of the Preoperative Score to Predict Postoperative Mortality (POSPOM) in Germany. <i>PLoS ONE</i> , 2021, 16, e0245841.	1.1	5
7	MR-Imaging and Histopathological Diagnostic Work-Up of Patients with Spontaneous Lobar Intracerebral Hemorrhage: Results of an Institutional Prospective Registry Study. <i>Diagnostics</i> , 2021, 11, 368.	1.3	8
8	Cardiac MRI in Suspected Acute COVID-19 Myocarditis. <i>Radiology: Cardiothoracic Imaging</i> , 2021, 3, e200628.	0.9	26
9	Gene expression in the Angiopoietin/TIE axis is altered in peripheral tissue of ovarian cancer patients: A prospective observational study. <i>Life Sciences</i> , 2021, 274, 119345.	2.0	6
10	Cardiac MRI in Patients with Prolonged Cardiorespiratory Symptoms after Mild to Moderate COVID-19. <i>Radiology</i> , 2021, 301, E419-E425.	3.6	31
11	Low-body-perfusion via an arterial sheath reduces inflammation after aortic arch reconstruction surgery. <i>European Journal of Inflammation</i> , 2021, 19, 205873922110005.	0.2	1
12	Rapid Ventricular Pacing as a Safe Procedure for Clipping of Complex Ruptured and Unruptured Intracranial Aneurysms. <i>Journal of Clinical Medicine</i> , 2021, 10, 5406.	1.0	4
13	Point-of-Care Ultrasound-Guided Protocol to Confirm Central Venous Catheter Placement in Pediatric Patients Undergoing Cardiothoracic Surgery: A Prospective Feasibility Study. <i>Journal of Clinical Medicine</i> , 2021, 10, 5971.	1.0	5
14	Low-tidal-volume prevent ventilation induced inflammation in a mouse model of sepsis. <i>Life Sciences</i> , 2020, 240, 117081.	2.0	6
15	Safety metric profiling in surgery for temporal glioblastoma: lobectomy as a supra-total resection regime preserves perioperative standard quality rates. <i>Journal of Neuro-Oncology</i> , 2020, 149, 455-461.	1.4	16
16	Parameters predicting COVID-19-induced myocardial injury and mortality. <i>Life Sciences</i> , 2020, 260, 118400.	2.0	28
17	Initial inflammatory response is an independent predictor of unfavorable outcome in patients with good-grade aneurysmal subarachnoid hemorrhage. <i>Journal of Critical Care</i> , 2020, 60, 45-49.	1.0	12
18	Diffuse Myocardial Inflammation in COVID-19 Associated Myocarditis Detected by Multiparametric Cardiac Magnetic Resonance Imaging. <i>Circulation: Cardiovascular Imaging</i> , 2020, 13, e010897.	1.3	79

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19	Differential modulation of endothelial cell function by fresh frozen plasma. <i>Life Sciences</i> , 2020, 254, 117780.	2.0	1
20	DHA Supplementation Attenuates MI-Induced LV Matrix Remodeling and Dysfunction in Mice. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-14.	1.9	7
21	Dynamic changes of angiopoietins and endothelial nitric oxide supply during fluid resuscitation for major gyn-oncological surgery: a prospective observation. <i>Journal of Translational Medicine</i> , 2020, 18, 48.	1.8	3
22	A National Survey: Current Clinical Practice in Pediatric Anesthesia for Congenital Heart Surgery. <i>World Journal for Pediatric &amp; Congenital Heart Surgery</i> , 2020, 11, 257-264.	0.3	8
23	Factors influencing the bias between blood gas analysis versus central laboratory hemoglobin testing. A secondary analysis of a randomized controlled trial. <i>PLoS ONE</i> , 2020, 15, e0240721.	1.1	4
24	Title is missing!. , 2020, 15, e0240721.		0
25	Title is missing!. , 2020, 15, e0240721.		0
26	Title is missing!. , 2020, 15, e0240721.		0
27	Title is missing!. , 2020, 15, e0240721.		0
28	Network of Mediators for Vascular Inflammation and Leakage Is Dysbalanced during Cyto-reductive Surgery for Late-Stage Ovarian Cancer. <i>Mediators of Inflammation</i> , 2019, 2019, 1-9.	1.4	12
29	Liberal transfusion strategy to prevent mortality and anaemia-associated, ischaemic events in elderly non-cardiac surgical patients – the study design of the LIBERAL-Trial. <i>Trials</i> , 2019, 20, 101.	0.7	20
30	Perinatal Inflammation Induces Sex-related Differences in Cardiovascular Morbidities in Mice. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2018, 314, H573-H579.	1.5	6
31	Arginase and Î±-smooth muscle actin induction after hyperoxic exposure in a mouse model of bronchopulmonary dysplasia. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2018, 45, 556-562.	0.9	13
32	Thioredoxin Reductase Inhibition Attenuates Neonatal Hyperoxic Lung Injury and Enhances Nuclear Factor E2-Related Factor 2 Activation. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2016, 55, 419-428.	1.4	45
33	Endothelial permeability following coronary artery bypass grafting: an observational study on the possible role of angiopoietin imbalance. <i>Critical Care</i> , 2016, 20, 51.	2.5	25
34	Metalloproteinase expression is altered in cardiac and skeletal muscle in cancer cachexia. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015, 309, H685-H691.	1.5	29
35	DHA suppresses chronic apoptosis in the lung caused by perinatal inflammation. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2015, 309, L441-L448.	1.3	20
36	Impaired border zone formation and adverse remodeling after reperfused myocardial infarction in cannabinoid CB2 receptor deficient mice. <i>Life Sciences</i> , 2015, 138, 8-17.	2.0	24

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37	Adverse perinatal environment contributes to altered cardiac development and function. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2014, 306, H1334-H1340.	1.5	31
38	Perinatal inflammation results in decreased oligodendrocyte numbers in adulthood. <i>Life Sciences</i> , 2014, 94, 164-171.	2.0	26
39	The Thioredoxin Reductase-1 Inhibitor Aurothioglucose Attenuates Lung Injury and Improves Survival in a Murine Model of Acute Respiratory Distress Syndrome. <i>Antioxidants and Redox Signaling</i> , 2014, 20, 2681-2691.	2.5	32
40	Maternal Dietary Docosahexaenoic Acid Supplementation Attenuates Fetal Growth Restriction and Enhances Pulmonary Function in a Newborn Mouse Model of Perinatal Inflammation. <i>Journal of Nutrition</i> , 2014, 144, 258-266.	1.3	42
41	Early life exposure to air pollution induces adult cardiovascular dysfunction in mice (864.9). <i>FASEB Journal</i> , 2014, 28, 864.9.	0.2	0
42	TLR2 stimulation induces cardiac inflammation but not cardiac depression in vivo. <i>Journal of Inflammation</i> , 2013, 10, 33.	1.5	8
43	Prenatal inflammation exacerbates hyperoxia-induced functional and structural changes in adult mice. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2012, 303, R279-R290.	0.9	35
44	Cardiovascular Remodeling in Response to Long-Term Exposure to Fine Particulate Matter Air Pollution. <i>Circulation: Heart Failure</i> , 2012, 5, 452-461.	1.6	137
45	Priming with synthetic oligonucleotides attenuates pressure overload-induced inflammation and cardiac hypertrophy in mice. <i>Cardiovascular Research</i> , 2012, 96, 422-432.	1.8	48
46	Moderate hyperoxia treatment increases glutathione levels during direct LPS-induced lung injury in mice. <i>FASEB Journal</i> , 2012, 26, 692.10.	0.2	0
47	Systemic Maternal Inflammation and Neonatal Hyperoxia Induces Remodeling and Left Ventricular Dysfunction in Mice. <i>PLoS ONE</i> , 2011, 6, e24544.	1.1	47
48	Maternal Docosahexaenoic Acid Supplementation Decreases Lung Inflammation in Hyperoxia-Exposed Newborn Mice. <i>Journal of Nutrition</i> , 2011, 141, 214-222.	1.3	47
49	Myocardial dysfunction in an animal model of cancer cachexia. <i>FASEB Journal</i> , 2011, 25, 1112.12.	0.2	0
50	Aspirin Therapy Enhances Lung Alveolarization in Newborn Pups Exposed to Neonatal Hyperoxia. <i>FASEB Journal</i> , 2011, 25, 660.4.	0.2	0
51	Deficits in lung alveolarization and function after systemic maternal inflammation and neonatal hyperoxia exposure. <i>Journal of Applied Physiology</i> , 2010, 108, 1347-1356.	1.2	99
52	Bacterial DNA induces myocardial inflammation and reduces cardiomyocyte contractility: role of Toll-like receptor 9. <i>Cardiovascular Research</i> , 2008, 78, 26-35.	1.8	75