

Sven Zenker

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7551287/publications.pdf>

Version: 2024-02-01

16
papers

432
citations

1162367

8
h-index

887659

17
g-index

21
all docs

21
docs citations

21
times ranked

517
citing authors

#	ARTICLE	IF	CITATIONS
1	Algorithmic surveillance of ICU patients with acute respiratory distress syndrome (ASIC): protocol for a multicentre stepped-wedge cluster randomised quality improvement strategy. <i>BMJ Open</i> , 2021, 11, e045589.	0.8	9
2	On the Importance of the Jacobian Determinant in Parameter Inference for Random Parameter and Random Measurement Error Models. <i>SIAM-ASA Journal on Uncertainty Quantification</i> , 2019, 7, 975-1006.	1.1	4
3	Model-Based Quantification of Left Ventricular Diastolic Function in Critically Ill Patients with Atrial Fibrillation from Routine Data: A Feasibility Study. <i>Computational and Mathematical Methods in Medicine</i> , 2019, 2019, 1-11.	0.7	1
4	Differential Effects of Left Ventricular Pacing Sites on Regional Contraction Patterns and Global Performance. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2016, 30, 709-715.	0.6	0
5	The inverse problem in mathematical biology. <i>Mathematical Biosciences</i> , 2015, 260, 11-15.	0.9	26
6	Robust Model-Based Quantification of Global Ventricular Torsion from Spatially Sparse Three-Dimensional Time Series Data by Orthogonal Distance Regression: Evaluation in a Canine Animal Model Under Different Pacing Regimes. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2013, 36, 13-23.	0.5	1
7	Physiologic responses to severe hemorrhagic shock and the genesis of cardiovascular collapse: Can irreversibility be anticipated?. <i>Journal of Surgical Research</i> , 2012, 178, 358-369.	0.8	27
8	Peristaltic Pneumatic Compression of the Legs Reduces Fluid Demand and Improves Hemodynamic Stability during Surgery. <i>Anesthesiology</i> , 2011, 114, 536-544.	1.3	13
9	Parallel particle filters for online identification of mechanistic mathematical models of physiology from monitoring data: performance and real-time scalability in simulation scenarios. <i>Journal of Clinical Monitoring and Computing</i> , 2010, 24, 319-333.	0.7	11
10	An Adequately Robust Early TNF- α Response Is a Hallmark of Survival Following Trauma/Hemorrhage. <i>PLoS ONE</i> , 2009, 4, e8406.	1.1	52
11	Very low frequency variability in the peripheral circulation: the possibility of plethysmographic quantification. <i>European Journal of Anaesthesiology</i> , 2009, 26, 522-524.	0.7	0
12	Use of non-invasive NIRS during a vascular occlusion test to assess dynamic tissue O ₂ saturation response. <i>Intensive Care Medicine</i> , 2008, 34, 1600-1607.	3.9	176
13	From Inverse Problems in Mathematical Physiology to Quantitative Differential Diagnoses. <i>PLoS Computational Biology</i> , 2007, 3, e204.	1.5	75
14	Thresholded Area Over the Curve of Spectrometric Tissue Oxygen Saturation as an Indicator of Volume Resuscitability in Porcine Hemorrhagic Shock. <i>Journal of Trauma</i> , 2007, 63, 573-580.	2.3	8
15	CONTINUOUS SUBLINGUAL PCO ₂ AS A RAPID INDICATOR OF CHANGES IN TISSUE PERFUSION IN HEMORRHAGIC SHOCK. <i>Shock</i> , 2006, 25, 57.	1.0	2
16	Growth hormone deficiency in pituitary disease: relationship to depression, apathy and somatic complaints. <i>European Journal of Endocrinology</i> , 2002, 147, 165-171.	1.9	19