

Viachaslau Barodka

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

987
citations

567281

15
h-index

501196

28
g-index

31
all docs

31
docs citations

31
times ranked

1763
citing authors

#	ARTICLE	IF	CITATIONS
1	Vascular Stiffness and Increased Pulse Pressure in the Aging Cardiovascular System. <i>Cardiology Research and Practice</i> , 2011, 2011, 1-8.	1.1	162
2	Melanopsin mediates light-dependent relaxation in blood vessels. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 17977-17982.	7.1	98
3	A pilot goal-directed perfusion initiative is associated with less acute kidney injury after cardiac surgery. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2017, 153, 118-125.e1.	0.8	88
4	Nadir Oxygen Delivery on Bypass and Hypotension Increase Acute Kidney Injury Risk After Cardiac Operations. <i>Annals of Thoracic Surgery</i> , 2015, 100, 1697-1703.	1.3	84
5	Results from an enhanced recovery program for cardiac surgery. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2020, 159, 1393-1402.e7.	0.8	81
6	Implications of Vascular Aging. <i>Anesthesia and Analgesia</i> , 2011, 112, 1048-1060.	2.2	79
7	Exercise, Vascular Stiffness, and Tissue Transglutaminase. <i>Journal of the American Heart Association</i> , 2014, 3, e000599.	3.7	64
8	Alagebrium in combination with exercise ameliorates age-associated ventricular and vascular stiffness. <i>Experimental Gerontology</i> , 2012, 47, 565-572.	2.8	41
9	Opioid-Sparing Cardiac Anesthesia: Secondary Analysis of an Enhanced Recovery Program for Cardiac Surgery. <i>Anesthesia and Analgesia</i> , 2020, 131, 1852-1861.	2.2	38
10	Nitroprusside inhibits calcium-induced impairment of red blood cell deformability. <i>Transfusion</i> , 2014, 54, 434-444.	1.6	36
11	Preoperative Renin-Angiotensin System Inhibitors Protect Renal Function in Aging Patients Undergoing Cardiac Surgery. <i>Journal of Surgical Research</i> , 2011, 167, e63-e69.	1.6	31
12	Role of senescence marker p16INK4a measured in peripheral blood T-lymphocytes in predicting length of hospital stay after coronary artery bypass surgery in older adults. <i>Experimental Gerontology</i> , 2016, 74, 29-36.	2.8	25
13	Initiation of a High-Frequency Jet Ventilation Strategy for Catheter Ablation for Atrial Fibrillation. <i>JACC: Clinical Electrophysiology</i> , 2018, 4, 1519-1525.	3.2	22
14	The Effects of Hemodynamic Changes on Pulse Wave Velocity in Cardiothoracic Surgical Patients. <i>BioMed Research International</i> , 2016, 2016, 1-7.	1.9	21
15	Continuous Intraoperative Cefazolin Infusion May Reduce Surgical Site Infections During Cardiac Surgical Procedures: A Propensity-Matched Analysis. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2015, 29, 1582-1587.	1.3	17
16	Impact of Intraoperative Continuous Infusion Versus Intermittent Dosing of Cefazolin Therapy on the Incidence of Surgical Site Infections After Coronary Artery Bypass Grafting. <i>Pharmacotherapy</i> , 2016, 36, 166-173.	2.6	13
17	Seeking a blood pressure-independent measure of vascular properties. <i>Hypertension Research</i> , 2016, 39, 27-38.	2.7	13
18	Ejection time: influence of hemodynamics and site of measurement in the arterial tree. <i>Hypertension Research</i> , 2017, 40, 811-818.	2.7	13

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19	A Review of Goal-Directed Cardiopulmonary Bypass Management in Pediatric Cardiac Surgery. <i>World Journal for Pediatric & Congenital Heart Surgery</i> , 2018, 9, 565-572.	0.8	13
20	Noninvasive Assessment of the Effect of Position and Exercise on Pulse Arrival to Peripheral Vascular Beds in Healthy Volunteers. <i>Frontiers in Physiology</i> , 2017, 8, 47.	2.8	9
21	A Pulse Wave Velocity Based Method to Assess the Mean Arterial Blood Pressure Limits of Autoregulation in Peripheral Arteries. <i>Frontiers in Physiology</i> , 2017, 8, 855.	2.8	8
22	Trends and Updates on Cardiopulmonary Bypass Setup in Pediatric Cardiac Surgery. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2019, 33, 2804-2813.	1.3	8
23	Relationship Between the Ambulatory Arterial Stiffness Index and the Lower Limit of Cerebral Autoregulation During Cardiac Surgery. <i>Journal of the American Heart Association</i> , 2018, 7, .	3.7	6
24	Measuring Ascending Aortic Stiffness &In Vivo& in Mice Using Ultrasound. <i>Journal of Visualized Experiments</i> , 2014, , .	0.3	6
25	Pilot Study: Estimation of Stroke Volume and Cardiac Output from Pulse Wave Velocity. <i>PLoS ONE</i> , 2017, 12, e0169853.	2.5	5
26	The impact of posture on the cardiac depolarization and repolarization phases of the QT interval in healthy subjects. <i>Journal of Electrocardiology</i> , 2017, 50, 640-645.	0.9	4
27	About fACE. <i>Circulation</i> , 2012, 126, 249-251.	1.6	1
28	Pulse wave travel distance as a novel marker of ventricular-arterial coupling. <i>Heart and Vessels</i> , 2018, 33, 279-290.	1.2	1
29	Decreased Erythrocyte Deformability After Transfusion and the Effects of Erythrocyte Storage Duration. <i>Survey of Anesthesiology</i> , 2013, 57, 277-278.	0.1	0
30	Difference between ejection times measured at two different peripheral locations as a novel marker of vascular stiffness. <i>PLoS ONE</i> , 2017, 12, e0187781.	2.5	0