

Christophe Baufreton

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

1,578
citations

304743

22
h-index

302126

39
g-index

65
all docs

65
docs citations

65
times ranked

2023
citing authors

#	ARTICLE	IF	CITATIONS
1	Psychosocial risk factors for chronic low back pain in primary care—a systematic review. <i>Family Practice</i> , 2011, 28, 12-21.	1.9	298
2	Preservation of the aortic valve in acute aortic dissection: Long-term echocardiographic assessment and clinical outcome. <i>Annals of Thoracic Surgery</i> , 1993, 55, 1513-1517.	1.3	93
3	Heparin coating of extracorporeal circuits inhibits contact activation during cardiac operations. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 1997, 114, 117-122.	0.8	93
4	Notch3 Is a Major Regulator of Vascular Tone in Cerebral and Tail Resistance Arteries. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2008, 28, 2216-2224.	2.4	93
5	Increasing mean arterial pressure during cardiac surgery does not reduce the rate of postoperative acute kidney injury. <i>Perfusion (United Kingdom)</i> , 2014, 29, 496-504.	1.0	70
6	Inflammatory response to cardiopulmonary bypass using roller or centrifugal pumps. <i>Annals of Thoracic Surgery</i> , 1999, 67, 972-977.	1.3	62
7	Alteration in flow (shear stress)-induced remodelling in rat resistance arteries with aging: improvement by a treatment with hydralazine. <i>Cardiovascular Research</i> , 2007, 77, 600-608.	3.8	53
8	Effects of Inhaled Nitric Oxide Administration on Early Postoperative Mortality in Patients Operated for Correction of Atrioventricular Canal Defects. <i>Chest</i> , 2005, 128, 3537-3544.	0.8	51
9	Paradoxical Role of Angiotensin II Type 2 Receptors in Resistance Arteries of Old Rats. <i>Hypertension</i> , 2007, 50, 96-102.	2.7	49
10	Key Role of Estrogens and Endothelial Estrogen Receptor $\hat{\pm}$ in Blood Flow-Mediated Remodeling of Resistance Arteries. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2013, 33, 605-611.	2.4	48
11	Systemic microvascular shunting through hyperdynamic capillaries after acute physiological disturbances following cardiopulmonary bypass. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2014, 307, H967-H975.	3.2	46
12	Genetic Association Analyses Highlight <i>IL6</i> , <i>ALPL</i> , and <i>NAV1</i> As 3 New Susceptibility Genes Underlying Calcific Aortic Valve Stenosis. <i>Circulation Genomic and Precision Medicine</i> , 2019, 12, e002617.	3.6	45
13	Microcirculatory Perfusion Is Preserved During Off-Pump but Not On-Pump Cardiac Surgery. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2014, 28, 336-341.	1.3	44
14	Heparin-coated circuits and aprotinin prime for coronary artery bypass grafting. <i>Annals of Thoracic Surgery</i> , 1996, 61, 1363-1366.	1.3	43
15	Ten-year experience with surgical treatment of partial atrioventricular septal defect: Risk factors in the early postoperative period. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 1996, 112, 14-20.	0.8	42
16	Heparin Coating With Aprotinin Reduces Blood Activation During Coronary Artery Operations. <i>Annals of Thoracic Surgery</i> , 1997, 63, 50-56.	1.3	40
17	Brain Injury and Neuropsychological Outcome After Coronary Artery Surgery Are Affected by Complement Activation. <i>Annals of Thoracic Surgery</i> , 2005, 79, 1597-1605.	1.3	38
18	Remote ischemic preconditioning in aortic valve surgery: Results of a randomized controlled study. <i>Journal of Cardiology</i> , 2016, 67, 36-41.	1.9	37

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19	Impaired microcirculatory perfusion in a rat model of cardiopulmonary bypass: the role of hemodilution. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2016, 310, H550-H558.	3.2	29
20	Reduction of vascular leakage by imatinib is associated with preserved microcirculatory perfusion and reduced renal injury markers in a rat model of cardiopulmonary bypass. <i>British Journal of Anaesthesia</i> , 2018, 120, 1165-1175.	3.4	27
21	Guidelines on enhanced recovery after cardiac surgery under cardiopulmonary bypass or off-pump. <i>Anaesthesia, Critical Care & Pain Medicine</i> , 2022, 41, 101059.	1.4	26
22	Inflammatory response to cardiopulmonary bypass using two different types of heparin-coated extracorporeal circuits. <i>Perfusion (United Kingdom)</i> , 1998, 13, 419-427.	1.0	24
23	A combined approach for improving cardiopulmonary bypass in coronary artery surgery: a pilot study. <i>Perfusion (United Kingdom)</i> , 2002, 17, 407-413.	1.0	20
24	Preconditioning with cromakalim improves long-term myocardial preservation for heart transplantation. <i>Annals of Thoracic Surgery</i> , 1998, 66, 417-424.	1.3	18
25	Clinical outcome after coronary surgery with heparin-coated extracorporeal circuits for cardiopulmonary bypass. <i>Perfusion (United Kingdom)</i> , 1996, 11, 437-443.	1.0	16
26	Measures to control blood activation during assisted circulation. <i>Annals of Thoracic Surgery</i> , 1998, 66, 1837-1844.	1.3	16
27	An <i>ex vivo</i> evaluation of blood coagulation and thromboresistance of two extracorporeal circuit coatings with reduced and full heparin dose. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2014, 18, 763-769.	1.1	16
28	In vitro protection of vascular function from oxidative stress and inflammation by pulsatility in resistance arteries. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2011, 142, 1254-1262.	0.8	14
29	Do patients with haematological malignancy who need cardiopulmonary bypass have a short-term higher mortality or a higher chance of disease progression?. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2014, 19, 474-478.	1.1	11
30	Safety and efficacy of biocompatible perfusion strategy in a contemporary series of patients undergoing coronary artery bypass grafting – a two-center study. <i>Journal of Cardiothoracic Surgery</i> , 2014, 9, 196.	1.1	9
31	Preoperative endothelial dysfunction in cutaneous microcirculation is associated with postoperative organ injury after cardiac surgery using extracorporeal circulation: a prospective cohort study. <i>Annals of Intensive Care</i> , 2021, 11, 4.	4.6	9
32	Congenital aorto-right ventricular fistula in an adult. <i>European Heart Journal</i> , 2009, 30, 2116-2116.	2.2	8
33	Role of surgical factors in strokes after cardiac surgery. <i>Archives of Cardiovascular Diseases</i> , 2010, 103, 326-332.	1.6	8
34	Influence of stentless versus stented valves on ventricular remodeling assessed at 6 months by magnetic resonance imaging and long-term follow-up. <i>Journal of Cardiology</i> , 2017, 69, 264-271.	1.9	6
35	Pretreatment with a potassium-channel opener before prolonged cardiac storage: an evaluation in an experimental brain death model. <i>Annals of Thoracic Surgery</i> , 1999, 67, 1623-1629.	1.3	5
36	Increased cerebral blood flow velocities assessed by transcranial Doppler examination is associated with complement activation after cardiopulmonary bypass. <i>Perfusion (United Kingdom)</i> , 2011, 26, 91-98.	1.0	5

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37	Successfully treated necrotizing fasciitis using extracorporeal life support combined with hemoadsorption device and continuous renal replacement therapy. <i>International Journal of Artificial Organs</i> , 2018, 41, 178-182.	1.4	5
38	First Report of Endocarditis Caused by a Pseudoclavibacter Species: FIG 1. <i>Journal of Clinical Microbiology</i> , 2014, 52, 3465-3467.	3.9	4
39	Ex vivo simulation of cardiopulmonary bypass with human blood for hemocompatibility testing. <i>Perfusion (United Kingdom)</i> , 2016, 31, 376-383.	1.0	4
40	Mitochondrial complex I defect resulting from exercise-induced lower limb ischemia in patients with peripheral arterial disease. <i>Journal of Applied Physiology</i> , 2018, 125, 938-946.	2.5	4
41	Complementary and Alternative Medicine in Cardiac Surgery: Prevalence and Modality of use. <i>Heart Lung and Circulation</i> , 2016, 25, 712-718.	0.4	3
42	Early postoperative undernutrition following aortic valve replacement surgery. <i>Clinical Nutrition ESPEN</i> , 2018, 26, 84-90.	1.2	3
43	Do storage solutions protect endothelial function of arterialized vein graft in an experimental rat model?. <i>Journal of Cardiothoracic Surgery</i> , 2020, 15, 34.	1.1	3
44	Coagulation, fibrinolysis, and cell activation in patients and in shed mediastinal blood during coronary artery bypass grafting with a new heparin-coated surface. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2003, 126, 2116.	0.8	2
45	More Biocompatibility in Cardiopulmonary Bypass for High-Risk Patients. <i>Annals of Thoracic Surgery</i> , 2006, 81, 790-791.	1.3	2
46	Fatal postoperative systemic pulmonary hypertension in benfluorex-induced valvular heart disease surgery. <i>Medicine (United States)</i> , 2017, 96, e4985.	1.0	2
47	Heritability of aortic valve stenosis and bicuspid enrichment in families with aortic valve stenosis. <i>International Journal of Cardiology</i> , 2022, 359, 91-98.	1.7	2
48	Transesophageal echocardiography-guided chordal replacement for tricuspid regurgitation. <i>Annals of Thoracic Surgery</i> , 2004, 77, 1811-1813.	1.3	1
49	Cardiopulmonary bypass and internal thoracic artery: Can roller or centrifugal pumps change vascular reactivity of the graft? The IPITA study: A randomized controlled clinical trial. <i>PLoS ONE</i> , 2020, 15, e0235604.	2.5	1
50	Extracorporeal circulation during onâ€pump cardiac surgery: An evaluation of the energy equivalent pressure index based on waveforms decomposition in harmonics. <i>Artificial Organs</i> , 2021, 45, 861-865.	1.9	1
51	Aortic homograft for aortic valve replacement in patient with Alpha-Gal allergy. <i>General Thoracic and Cardiovascular Surgery</i> , 2021, 69, 1499-1501.	0.9	1
52	STABILISE Technique via a Transapical Approach to Repair Residual Type A Aortic Dissection. <i>Aorta</i> , 2021, 9, 161-164.	0.5	1
53	Authorâ€™s reply (in reference to letter to editor proposed by Etem Caliskan, Catherine J. Pachuk, Louis P.) <i>Tj ETQq1 1 0.784314 rgBT</i>	1.1	1
54	Preservation of the Aortic Root During Type A Aortic Dissection Surgery: An Effective Strategy?. <i>Aorta</i> , 2021, 09, 067-075.	0.5	1

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55	Aneurysms of the sinus of Valsalva revealed by an acute coronary syndrome. Diagnostic and Interventional Imaging, 2014, 95, 447-449.	3.2	0
56	OP-071 Mutations in ARHGAP24 Encoding Filgap as a Cause of Mitral Valve Prolapse. American Journal of Cardiology, 2015, 115, S31.	1.6	0
57	Author's reply. Journal of Cardiology, 2016, 67, 393.	1.9	0
58	Pigmentary retinopathy as first manifestation in two cases of Scheie syndrome. Molecular Genetics and Metabolism, 2016, 117, S116-S117.	1.1	0
59	PARADOXICAL ROLE OF ANGIOTENSIN II TYPE 2 RECEPTORS IN RESISTANCE ARTERIES OF OLD RATS. FASEB Journal, 2007, 21, A1252.	0.5	0
60	Role of the pulsatility in the microcirculation. FASEB Journal, 2007, 21, A495.	0.5	0