

Wolfgang Boettcher

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

935
citations

471509

17
h-index

477307

29
g-index

48
all docs

48
docs citations

48
times ranked

800
citing authors

#	ARTICLE	IF	CITATIONS
1	Successful Use of Bivalirudin as Anticoagulant for ECMO in a Patient With Acute HIT. <i>Annals of Thoracic Surgery</i> , 2007, 83, 1865-1867.	1.3	85
2	Blood transfusion determines postoperative morbidity in pediatric cardiac surgery applying a comprehensive blood-sparing approach. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2013, 146, 537-542.	0.8	74
3	Repair of anomalous origin of the left coronary artery from the pulmonary artery in infants and children. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2011, 142, 868-874.	0.8	65
4	Regional differences in tissue oxygenation during cardiopulmonary bypass for correction of congenital heart disease in neonates and small infants: Relevance of near-infrared spectroscopy. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2008, 136, 962-967.	0.8	52
5	Perfusion technique for nonhaemic cardiopulmonary bypass prime in neonates and infants under 6 kg body weight. <i>Perfusion (United Kingdom)</i> , 2004, 19, 229-237.	1.0	45
6	Minimizing intraoperative hemodilution by use of a very low priming volume cardiopulmonary bypass in neonates with transposition of the great arteries. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2011, 142, 875-881.	0.8	40
7	A new miniaturized cardiopulmonary bypass system reduces transfusion requirements during neonatal cardiac surgery: Initial experience in 13 consecutive patients. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2009, 137, 1565-1568.	0.8	39
8	Effects of a comprehensive blood-sparing approach using body weight-adjusted miniaturized cardiopulmonary bypass circuits on transfusion requirements in pediatric cardiac surgery. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2012, 144, 493-499.	0.8	37
9	Rescue extracorporeal membrane oxygenation in children with refractory cardiac arrest. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2011, 12, 929-934.	1.1	30
10	Protein S-100 β in Brain and Serum after Deep Hypothermic Circulatory Arrest in Rabbits: Relationship to Perivascular Astrocytic Swelling. <i>Clinical Chemistry and Laboratory Medicine</i> , 2000, 38, 1169-72.	2.3	28
11	The First Closure of the Persistent Ductus Arteriosus. <i>Annals of Thoracic Surgery</i> , 2010, 90, 349-356.	1.3	28
12	Routine Application of Bloodless Priming in Neonatal Cardiopulmonary Bypass: A 3-Year Experience. <i>Pediatric Cardiology</i> , 2017, 38, 807-812.	1.3	28
13	Factors influencing the change in cerebral hemodynamics in pediatric patients during and after corrective cardiac surgery of congenital heart diseases by means of full-flow cardiopulmonary bypass. <i>Perfusion (United Kingdom)</i> , 2002, 17, 179-185.	1.0	26
14	The more closed the bypass system the better: a pilot study on the effects of reduction of cardiotomy suction and passive venting on hemostatic activation during on-pump coronary artery bypass grafting. <i>Perfusion (United Kingdom)</i> , 2005, 20, 285-288.	1.0	22
15	The Effect of Continuous Treatment with Sodium Nitroprusside on the Serum Kinetics of the Brain Marker Protein S-100 β in Neonates Undergoing Corrective Cardiac Surgery by Means of Hypothermic Cardiopulmonary Bypass. <i>Clinical Chemistry and Laboratory Medicine</i> , 2000, 38, 1173-5.	2.3	21
16	Detection of Lower Torso Ischemia by Near-Infrared Spectroscopy During Cardiopulmonary Bypass in a 6.8-Kg Infant With Complex Aortic Anatomy. <i>Annals of Thoracic Surgery</i> , 2006, 82, 323-325.	1.3	19
17	Extracorporeal Membrane Oxygenation for Perioperative Cardiac Support in Children I: Experience at the Deutsches Herzzentrum Berlin (1987-2005). <i>ASAIO Journal</i> , 2007, 53, 246-254.	1.6	18
18	Prebypass filtration of cardiopulmonary bypass circuits: an outdated technique?. <i>Perfusion (United Kingdom)</i> 2017, 32, 1017-1021.	1.0	17

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19	Large-Dose Pretreatment with Methylprednisolone Fails to Attenuate Neuronal Injury After Deep Hypothermic Circulatory Arrest in a Neonatal Piglet Model. <i>Anesthesia and Analgesia</i> , 2005, 101, 1311-1318.	2.2	17
20	Biomarker Responses During Mid-term Mechanical Cardiac Support in Children. <i>Journal of Heart and Lung Transplantation</i> , 2008, 27, 150-157.	0.6	17
21	Hemorheology and renal function during cardiopulmonary bypass in infants. <i>Cardiology in the Young</i> , 2001, 11, 491-497.	0.8	16
22	Red Blood Cell Storage Duration Is Associated with Various Clinical Outcomes in Pediatric Cardiac Surgery. <i>Transfusion Medicine and Hemotherapy</i> , 2014, 41, 146-151.	1.6	16
23	Transfusion-Free Cardiac Surgery with Cardiopulmonary Bypass in a 2.2-kg Neonate. <i>Journal of Cardiac Surgery</i> , 2005, 20, 180-182.	0.7	15
24	Asanguineous priming of miniaturized paediatric cardiopulmonary bypass circuits for congenital heart surgery: independent predictors associated with transfusion requirements and effects on postoperative morbidity. <i>European Journal of Cardio-thoracic Surgery</i> , 2018, 53, 1075-1081.	1.4	15
25	Safe minimization of cardiopulmonary bypass circuit volume for complex cardiac surgery in a 3.7 kg neonate. <i>Perfusion (United Kingdom)</i> , 2003, 18, 377-379.	1.0	14
26	Cardiopulmonary Bypass Strategy to Facilitate Transfusion-Free Congenital Heart Surgery in Neonates and Infants. <i>Thoracic and Cardiovascular Surgeon</i> , 2020, 68, 002-014.	1.0	14
27	Predictors for the Use of Left Ventricular Assist Devices in Infants With Anomalous Left Coronary Artery From the Pulmonary Artery. <i>Annals of Thoracic Surgery</i> , 2010, 90, 580-587.	1.3	13
28	Improved myocardial preservation with short hyperthermia prior to cold cardioplegic ischemia in immature rabbit hearts. <i>European Journal of Cardio-thoracic Surgery</i> , 2000, 18, 233-240.	1.4	12
29	Hypothermia During Cardiopulmonary Bypass Increases Need for Inotropic Support but Does Not Impact Inflammation in Children Undergoing Surgical Ventricular Septal Defect Closure. <i>Artificial Organs</i> , 2016, 40, 470-479.	1.9	12
30	A Prospective Clinical Trial Measuring the Effects of Cardiopulmonary Bypass Under Mild Hypothermia on the Inflammatory Response and Regulation of Cold-Shock Protein RNA-Binding Motif 3. <i>Therapeutic Hypothermia and Temperature Management</i> , 2020, 10, 60-70.	0.9	12
31	Cardiopulmonary Bypass for Complex Cardiac Surgery using Bivalirudin Anticoagulation in a Patient with Heparin Antibodies. <i>Journal of Cardiac Surgery</i> , 2006, 21, 286-288.	0.7	11
32	Transfusion-Free Arterial Switch Operation in a 1.7-kg Premature Neonate Using a New Miniature Cardiopulmonary Bypass System. <i>Journal of Cardiac Surgery</i> , 2008, 23, 358-360.	0.7	11
33	How Near-Infrared Spectroscopy Differentiates Between Lower Body Ischemia Due to Arterial Occlusion Versus Venous Outflow Obstruction. <i>Annals of Thoracic Surgery</i> , 2011, 91, 1274-1276.	1.3	10
34	Cerebral expression of neuroglobin and cytoglobin after deep hypothermic circulatory arrest in neonatal piglets. <i>Brain Research</i> , 2010, 1356, 1-10.	2.2	8
35	Repair of ALCAPA in a 4-kg Patient Followed by Successful Weaning and "Off-Pump" Explantation of an Apical Venting Pulsatile LVAD. <i>Journal of Cardiac Surgery</i> , 2005, 20, 261-263.	0.7	7
36	Suturing of Penetrating Wounds to the Heart in the Nineteenth Century: The Beginnings of Heart Surgery. <i>Annals of Thoracic Surgery</i> , 2011, 92, 1926-1931.	1.3	7

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37	Bloodless priming of the cardiopulmonary bypass circuit: determinants of successful transfusion-free operation in neonates and infants with a maximum body weight of 7 kg. <i>Cardiology in the Young</i> , 2018, 28, 1141-1147.	0.8	7
38	Asanguineous Cardiopulmonary Bypass in Infants: Impact on Postoperative Mortality and Morbidity. <i>Thoracic and Cardiovascular Surgeon</i> , 2020, 68, 059-067.	1.0	6
39	Acute Kidney Injury After Neonatal Aortic Arch Surgery: Deep Hypothermic Circulatory Arrest Versus Moderate Hypothermia With Distal Aortic Perfusion. <i>World Journal for Pediatric & Congenital Heart Surgery</i> , 2021, 12, 573-580.	0.8	6
40	Coagulation Profile of Neonates Undergoing Arterial Switch Surgery With Crystalloid Priming of the Cardiopulmonary Bypass Circuit. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2022, 36, 1598-1605.	1.3	4
41	Bilateral Pulmonary Artery Banding before Norwood Procedure: Survival of High-Risk Patients. <i>Thoracic and Cardiovascular Surgeon</i> , 2020, 68, 030-037.	1.0	3
42	Accuracy of predicted haemoglobin concentration on cardiopulmonary bypass in paediatric cardiac surgery: effect of different formulae for estimating patient blood volume. <i>Perfusion (United) Tj ETQq0 0 0 rgBT /Overlock 10 of 50 537 T</i>		
43	Additional veno-venous gas exchange as a problem-solving strategy for an oxygenator not transferring oxygen in paediatric cardiopulmonary bypassâ€. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2017, 25, 687-689.	1.1	2
44	Hybrid Approach Facilitates Use of a Minimized CPB Circuit and Transfusion Free Surgery in an Extended Norwood Stage II Procedure. <i>Journal of Cardiac Surgery</i> , 2007, 22, 508-510.	0.7	1
45	Open-heart surgery in neonates: current practice. <i>Journal of Cardiovascular Surgery</i> , 2018, 59, 299-301.	0.6	1
46	Reply to the Editor. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2013, 145, 1680-1681.	0.8	0
47	Acute Kidney Injury with a Miniaturized Extracorporeal Circuit for Neonatal Cardiopulmonary Bypass. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2022, , .	1.3	0