

Robert Wayne Barbee

List of Publications by Year in descending order

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38
papers

891
citations

430874
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all docs

38
docs citations

38
times ranked

825
citing authors

#	ARTICLE	IF	CITATIONS
1	ASSESSING SHOCK RESUSCITATION STRATEGIES BY OXYGEN DEBT REPAYMENT. Shock, 2010, 33, 113-122.	2.1	149
2	Near infrared spectroscopy for evaluation of the trauma patient: a technology review. Resuscitation, 2006, 68, 27-44.	3.0	116
3	Hemodynamics in transgenic mice with overexpression of atrial natriuretic factor.. Circulation Research, 1994, 74, 747-751.	4.5	72
4	High-dose atrial natriuretic factor enhances albumin escape from the systemic but not the pulmonary circulation.. Circulation Research, 1990, 67, 461-468.	4.5	52
5	Oxygenation Monitoring of Tissue Vasculature by Resonance Raman Spectroscopy. Analytical Chemistry, 2007, 79, 1514-1518.	6.5	35
6	LOW-VOLUME RESUSCITATION COCKTAIL EXTENDS SURVIVAL AFTER SEVERE HEMORRHAGIC SHOCK. Shock, 2007, 28, 45-52.	2.1	31
7	Combination of Dobutamine and Myocardial Contrast Echocardiography to Differentiate Postischemic From Infarcted Myocardium. Journal of the American College of Cardiology, 1997, 29, 974-984.	2.8	30
8	Resonance Raman spectroscopy: A new technology for tissue oxygenation monitoring*. Critical Care Medicine, 2006, 34, 792-799.	0.9	30
9	Quantification of bladder wall biomechanics during urodynamics: A methodologic investigation using ultrasound. Journal of Biomechanics, 2017, 61, 232-241.	2.1	27
10	Effect of endothelin on plasma volume and albumin escape.. Circulation Research, 1992, 70, 1027-1034.	4.5	26
11	Noninvasive characterization of real-time bladder sensation using accelerated hydration and a novel sensation meter: An initial experience. Neurourology and Urodynamics, 2017, 36, 1417-1426.	1.5	26
12	Cardiac output and regional hemodynamics during recurrent seizures in rats. Brain Research, 1993, 626, 295-302.	2.2	22
13	Systemic Responses to Hemodilution After Transfusion with Stored Blood and with a Hemoglobin-Based Oxygen Carrier. Anesthesia and Analgesia, 2005, 100, 912-920.	2.2	22
14	Endothelin blockade lowers total peripheral resistance in hemorrhagic shock recovery.. Hypertension, 1994, 23, 205-210.	2.7	21
15	Incorporating Laboratory Animal Science into Responsible Biomedical Research. ILAR Journal, 2019, 60, 9-16.	1.8	21
16	Androstenediol improves survival in a rodent model of traumatic shock. Resuscitation, 2006, 71, 379-386.	3.0	20
17	A new noninvasive method to determine central venous pressure. Resuscitation, 2006, 70, 238-246.	3.0	19
18	Tissue oxygenation monitoring using resonance Raman spectroscopy during hemorrhage. Journal of Trauma and Acute Care Surgery, 2014, 76, 402-408.	2.1	19

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19	A pilot study to measure dynamic elasticity of the bladder during urodynamics. <i>Neurourology and Urodynamics</i> , 2017, 36, 1086-1090.	1.5	17
20	Low amplitude rhythmic contraction frequency in human detrusor strips correlates with phasic intravesical pressure waves. <i>World Journal of Urology</i> , 2017, 35, 1255-1260.	2.2	14
21	Effects of vesical and perfusion pressure on perfusate flow, and flow on vesical pressure, in the isolated perfused working pig bladder reveal a potential mechanism for the regulation of detrusor compliance. <i>Neurourology and Urodynamics</i> , 2018, 37, 642-649.	1.5	12
22	LACTATE PROFILES AS A RESUSCITATION ASSESSMENT TOOL IN A RAT MODEL OF BATTLEFIELD HEMORRHAGE RESUSCITATION. <i>Shock</i> , 2008, 30, 48-55.	2.1	11
23	Retroviral Suicide Vector Does Not Inhibit Neointimal Growth in a Porcine Coronary Model of Restenosis. <i>Biochemical and Biophysical Research Communications</i> , 1995, 207, 89-98.	2.1	10
24	Potential clinical implications of abnormal myocardial perfusion patterns immediately after reperfusion in a canine model: A myocardial contrast echocardiography study. <i>American Heart Journal</i> , 1996, 132, 303-313.	2.7	10
25	Acute length adaptation and adjustable preload in the human detrusor. <i>Neurourology and Urodynamics</i> , 2016, 35, 792-797.	1.5	10
26	The AMP-Dependent Protein Kinase (AMPK) Activator A-769662 Causes Arterial Relaxation by Reducing Cytosolic Free Calcium Independently of an Increase in AMPK Phosphorylation. <i>Frontiers in Pharmacology</i> , 2017, 8, 756.	3.5	10
27	A NOVEL NONINVASIVE IMPEDANCE-BASED TECHNIQUE FOR CENTRAL VENOUS PRESSURE MEASUREMENT. <i>Shock</i> , 2010, 33, 269-273.	2.1	9
28	Effects of a combination hemoglobin based oxygen carrierâ€“hypertonic saline solution on oxygen transport in the treatment of traumatic shock. <i>Resuscitation</i> , 2011, 82, 937-943.	3.0	9
29	Exercise training attenuates the myocardial dysfunction induced by endotoxin. <i>Journal of Applied Physiology</i> , 1989, 66, 2805-2810.	2.5	8
30	Metabolic Stress-Induced Activation of AMPK and Inhibition of Constitutive Phosphoproteins Controlling Smooth Muscle Contraction: Evidence for Smooth Muscle Fatigue?. <i>Frontiers in Physiology</i> , 2017, 8, 681.	2.8	7
31	Vascular smooth muscle desensitization in rabbit epigastric and mesenteric arteries during hemorrhagic shock. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2016, 311, H157-H167.	3.2	6
32	Responsible Science and Research Animal Use. <i>ILAR Journal</i> , 2019, 60, 1-4.	1.8	6
33	DECREASED SUPPLY-DEPENDENT OXYGEN CONSUMPTION IN THE SKELETAL MUSCLE OF THE SPONTANEOUSLY HYPERTENSIVE RAT DURING ACUTE HYPOXIA. <i>Shock</i> , 2006, 25, 618-624.	2.1	5
34	Chronic implantation of transit-time flow probes on the ascending aorta of rodents. <i>Laboratory Animals</i> , 2004, 38, 362-370.	1.0	2
35	Protein synthesis inhibition as a potential strategy for metabolic down-regulation. <i>Resuscitation</i> , 2007, 73, 296-303.	3.0	2
36	Pharmaceutical metabolic down-regulation by protein synthesis inhibition in a conscious rat model. <i>Resuscitation</i> , 2007, 73, 446-458.	3.0	2

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37	STRATEGIES OF EXPERIMENT STANDARDIZATION AND RESPONSE OPTIMIZATION IN A RAT MODEL OF HEMORRHAGIC SHOCK AND CHRONIC HYPERTENSION. <i>Shock</i> , 2010, 33, 442-449.	2.1	2
38	AICAR Administration Attenuates Hemorrhagic Hyperglycemia and Lowers Oxygen Debt in Anesthetized Male Rabbits. <i>Frontiers in Physiology</i> , 2017, 8, 692.	2.8	1