

Donald S Prough

List of Publications by Year in descending order

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307
papers

7,816
citations

41344

49
h-index

76900

74
g-index

316
all docs

316
docs citations

316
times ranked

5522
citing authors

#	ARTICLE	IF	CITATIONS
1	Nosocomial pulmonary infection. <i>Critical Care Medicine</i> , 1986, 14, 265-270.	0.9	245
2	Validation in Volunteers of a Near-Infrared Spectroscope for Monitoring Brain Oxygenation In Vivo. <i>Anesthesia and Analgesia</i> , 1996, 82, 269-277.	2.2	172
3	Effects on intracranial pressure of resuscitation from hemorrhagic shock with hypertonic saline versus lactated Ringer's solution. <i>Critical Care Medicine</i> , 1985, 13, 407-411.	0.9	166
4	Traumatic Cerebral Vascular Injury: The Effects of Concussive Brain Injury on the Cerebral Vasculature. <i>Journal of Neurotrauma</i> , 2003, 20, 795-825.	3.4	164
5	The Effects of Traumatic Brain Injury on Regional Cerebral Blood Flow in Rats. <i>Journal of Neurotrauma</i> , 1988, 5, 289-301.	3.4	161
6	Optoacoustic technique for noninvasive monitoring of blood oxygenation: a feasibility study. <i>Applied Optics</i> , 2002, 41, 4722.	2.1	160
7	Cerebral blood flow is reduced in patients with sepsis syndrome. <i>Critical Care Medicine</i> , 1989, 17, 399-403.	0.9	147
8	Transplantation of primed human fetal neural stem cells improves cognitive function in rats after traumatic brain injury. <i>Experimental Neurology</i> , 2006, 201, 281-292.	4.1	136
9	Human mesenchymal stem cells reduce the severity of acute lung injury in a sheep model of bacterial pneumonia. <i>Thorax</i> , 2014, 69, 819-825.	5.6	133
10	Reduced cerebral blood flow, oxygen delivery, and electroencephalographic activity after traumatic brain injury and mild hemorrhage in cats. <i>Journal of Neurosurgery</i> , 1992, 76, 812-821.	1.6	120
11	Blast-Induced Brain Injury and Posttraumatic Hypotension and Hypoxemia. <i>Journal of Neurotrauma</i> , 2009, 26, 877-887.	3.4	120
12	Rapid Accumulation of Endogenous Tau Oligomers in a Rat Model of Traumatic Brain Injury. <i>Journal of Biological Chemistry</i> , 2013, 288, 17042-17050.	3.4	115
13	L-Arginine and Superoxide Dismutase Prevent or Reverse Cerebral Hypoperfusion after Fluid-Percussion Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 1997, 14, 223-233.	3.4	108
14	Preoperative and Intraoperative Predictors of Inotropic Support and Long-Term Outcome in Patients Having Coronary Artery Bypass Grafting. <i>Anesthesia and Analgesia</i> , 1991, 72, 729-736.	2.2	103
15	Experimental Traumatic Brain Injury Elevates Brain Prostaglandin E ₂ and Thromboxane B ₂ Levels in Rats. <i>Journal of Neurotrauma</i> , 1988, 5, 303-313.	3.4	102
16	Limiting Initial Resuscitation of Uncontrolled Hemorrhage Reduces Internal Bleeding and Subsequent Volume Requirements. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1995, 39, 200-209.	2.4	101
17	Volume Replacement Therapy during Major Orthopedic Surgery Using Voluven® (Hydroxyethyl Starch) Tj ETQq1	1.0784314	101
18	Validation in Volunteers of a Near-Infrared Spectroscope for Monitoring Brain Oxygenation In Vivo. <i>Anesthesia and Analgesia</i> , 1996, 82, 269-277.	2.2	99

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19	The Influence of Carbon Dioxide and Body Position on Near-Infrared Spectroscopic Assessment of Cerebral Hemoglobin Oxygen Saturation. <i>Anesthesia and Analgesia</i> , 1996, 82, 278-287.	2.2	95
20	Multiwavelength optoacoustic system for noninvasive monitoring of cerebral venous oxygenation: a pilot clinical test in the internal jugular vein. <i>Optics Letters</i> , 2006, 31, 1827.	3.3	87
21	Isoflurane but Not Mechanical Ventilation Promotes Extravascular Fluid Accumulation during Crystalloid Volume Loading. <i>Anesthesiology</i> , 2003, 98, 670-681.	2.5	85
22	Traumatic Brain Injury-Induced Dysregulation of the Circadian Clock. <i>PLoS ONE</i> , 2012, 7, e46204.	2.5	80
23	Volume Kinetic Analysis of the Distribution of 0.9% Saline in Conscious versus Isoflurane-anesthetized Sheep. <i>Anesthesiology</i> , 2002, 96, 442-449.	2.5	78
24	Optoacoustic, Noninvasive, Real-Time, Continuous Monitoring of Cerebral Blood Oxygenation: An In Vivo Study in Sheep. <i>Anesthesiology</i> , 2005, 102, 69-75.	2.5	75
25	Population Volume Kinetics Predicts Retention of 0.9% Saline Infused in Awake and Isoflurane-anesthetized Volunteers. <i>Anesthesiology</i> , 2007, 107, 24-32.	2.5	75
26	Tau Oligomers Derived from Traumatic Brain Injury Cause Cognitive Impairment and Accelerate Onset of Pathology in Htau Mice. <i>Journal of Neurotrauma</i> , 2016, 33, 2034-2043.	3.4	75
27	HYPOTENSIVE RESUSCITATION OF MULTIPLE HEMORRHAGES USING CRYSTALLOID AND COLLOIDS. <i>Shock</i> , 2004, 22, 262-269.	2.1	73
28	Neurogenic and neuro-protective potential of a novel subpopulation of peripheral blood-derived CD133+ ABCG2+CXCR4+ mesenchymal stem cells: development of autologous cell-based therapeutics for traumatic brain injury. <i>Stem Cell Research and Therapy</i> , 2013, 4, 3.	5.5	73
29	The Impact of Longer-Than-Average Anesthesia Times on the Billing of Academic Anesthesiology Departments. <i>Anesthesia and Analgesia</i> , 2001, 93, 1537-1543.	2.2	70
30	Labor Costs Incurred by Anesthesiology Groups Because of Operating Rooms Not Being Allocated and Cases Not Being Scheduled to Maximize Operating Room Efficiency. <i>Anesthesia and Analgesia</i> , 2003, 96, 1109-1113.	2.2	70
31	The Effects of Traumatic Brain Injury on Cerebral Blood Flow and Brain Tissue Nitric Oxide Levels and Cytokine Expression. <i>Journal of Neurotrauma</i> , 2004, 21, 1431-1442.	3.4	70
32	Optoacoustic monitoring of blood hemoglobin concentration: a pilot clinical study. <i>Optics Letters</i> , 2005, 30, 1677.	3.3	69
33	NOSOCOMIAL PULMONARY INFECTION. <i>Critical Care Medicine</i> , 1985, 13, 300.	0.9	68
34	Normotensive and hypotensive closed-loop resuscitation using 3.0% NaCl to treat multiple hemorrhages in sheep*. <i>Critical Care Medicine</i> , 2006, 34, 1185-1192.	0.9	68
35	Pre-Clinical Testing of Therapies for Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2018, 35, 2737-2754.	3.4	68
36	Double-blind, randomized, multicenter study of doxacurium vs. pancuronium in intensive care unit patients who require neuromuscular-blocking agents. <i>Critical Care Medicine</i> , 1995, 23, 450-458.	0.9	66

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37	Peroxynitrite generated in the rat spinal cord induces oxidation and nitration of proteins: Reduction by Mn (III) tetrakis (4- <i>benzoic acid</i>) porphyrin. <i>Journal of Neuroscience Research</i> , 2003, 71, 220-227.	2.9	63
38	Quantifying Net Staffing Costs Due to Longer-than-average Surgical Case Durations. <i>Anesthesiology</i> , 2004, 100, 403-412.	2.5	63
39	Continuous, noninvasive monitoring of total hemoglobin concentration by an optoacoustic technique. <i>Applied Optics</i> , 2004, 43, 3401.	2.1	62
40	High-frequency jet ventilation produces auto-PEEP. <i>Critical Care Medicine</i> , 1984, 12, 734-737.	0.9	61
41	Effects of hypertonic saline versus lactated Ringer's solution on cerebral oxygen transport during resuscitation from hemorrhagic shock. <i>Journal of Neurosurgery</i> , 1986, 64, 627-632.	1.6	60
42	Aerosolized anticoagulants ameliorate acute lung injury in sheep after exposure to burn and smoke inhalation. <i>Critical Care Medicine</i> , 2007, 35, 2805-2810.	0.9	60
43	Comparing Clinical Productivity of Anesthesiology Groups. <i>Anesthesiology</i> , 2002, 97, 608-615.	2.5	59
44	Human Neural Stem Cell Transplantation-Mediated Alteration of Microglial/Macrophage Phenotypes after Traumatic Brain Injury. <i>Cell Transplantation</i> , 2016, 25, 1863-1877.	2.5	56
45	Protective effects of zinc chelation in traumatic brain injury correlate with upregulation of neuroprotective genes in rat brain. <i>Neuroscience Letters</i> , 2004, 355, 221-225.	2.1	55
46	The Dynamics of Vascular Volume and Fluid Shifts of Lactated Ringer's Solution and Hypertonic-Saline-Dextran Solutions Infused in Normovolemic Sheep. <i>Anesthesia and Analgesia</i> , 2001, 93, 823-831.	2.2	54
47	Peroxynitrite Generated at the Level Produced by Spinal Cord Injury Induces Peroxidation of Membrane Phospholipids in Normal Rat Cord: Reduction by a Metalloporphyrin. <i>Journal of Neurotrauma</i> , 2005, 22, 1123-1133.	3.4	53
48	Method for identifying neuronal cells suffering zinc toxicity by use of a novel fluorescent sensor. <i>Journal of Neuroscience Methods</i> , 2004, 139, 79-89.	2.5	52
49	Volume Turnover Kinetics of Fluid Shifts after Hemorrhage, Fluid Infusion, and the Combination of Hemorrhage and Fluid Infusion in Sheep. <i>Anesthesiology</i> , 2005, 102, 985-994.	2.5	52
50	Closed-Loop Control of Fluid Therapy for Treatment of Hypovolemia. <i>Journal of Trauma</i> , 2008, 64, S333-S341.	2.3	51
51	Effects of Mild Blast Traumatic Brain Injury on Cerebral Vascular, Histopathological, and Behavioral Outcomes in Rats. <i>Journal of Neurotrauma</i> , 2018, 35, 375-392.	3.4	50
52	Combined anticoagulants ameliorate acute lung injury in sheep after burn and smoke inhalation. <i>Clinical Science</i> , 2008, 114, 321-329.	4.3	49
53	The Prevalence and Characteristics of Incentive Plans for Clinical Productivity Among Academic Anesthesiology Programs. <i>Anesthesia and Analgesia</i> , 2005, 100, 493-501.	2.2	48
54	Injured Fluoro-Jade-positive hippocampal neurons contain high levels of zinc after traumatic brain injury. <i>Brain Research</i> , 2007, 1127, 119-126.	2.2	48

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55	Cerebral blood flow during experimental endotoxemia in volunteers. <i>Critical Care Medicine</i> , 1997, 25, 1700-1706.	0.9	47
56	Small-volume resuscitation from hemorrhagic shock in dogs. <i>Critical Care Medicine</i> , 1991, 19, 364-372.	0.9	46
57	Determinants of cerebral perfusion during cardiopulmonary bypass. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 1996, 10, 54-65.	1.3	46
58	Laser capture microdissection and analysis of amplified antisense RNA from distinct cell populations of the young and aged rat brain: effect of traumatic brain injury on hippocampal gene expression. <i>Molecular Brain Research</i> , 2004, 122, 47-61.	2.3	44
59	Cerebral perfusion during canine hypothermic cardiopulmonary bypass: Effect of arterial carbon dioxide tension. <i>Annals of Thoracic Surgery</i> , 1991, 52, 479-489.	1.3	42
60	Effects of Different Catecholamines on the Dynamics of Volume Expansion of Crystalloid Infusion. <i>Anesthesiology</i> , 2004, 101, 1136-1144.	2.5	42
61	Molecular correlates of age-specific responses to traumatic brain injury in mice. <i>Experimental Gerontology</i> , 2006, 41, 1201-1205.	2.8	41
62	In vivo study of glucose-induced changes in skin properties assessed with optical coherence tomography. <i>Physics in Medicine and Biology</i> , 2006, 51, 3885-3900.	3.0	41
63	Dose-dependent neuronal injury after traumatic brain injury. <i>Brain Research</i> , 2005, 1044, 144-154.	2.2	40
64	Hypertonic saline does not improve cerebral oxygen delivery after head injury and mild hemorrhage in cats. <i>Critical Care Medicine</i> , 1996, 24, 109-117.	0.9	40
65	Antithrombin Attenuates Vascular Leakage via Inhibiting Neutrophil Activation in Acute Lung Injury. <i>Critical Care Medicine</i> , 2013, 41, e439-e446.	0.9	39
66	Interleukin-8, neuroinflammation, and secondary brain injury. <i>Critical Care Medicine</i> , 2000, 28, 1221-1223.	0.9	39
67	Mild, moderate and severe: terminology implications for clinical and experimental traumatic brain injury. <i>Current Opinion in Neurology</i> , 2018, 31, 672-680.	3.6	38
68	Cerebral Blood Flow Decreases With Time Whereas Cerebral Oxygen Consumption Remains Stable During Hypothermic Cardiopulmonary Bypass in Humans. <i>Anesthesia and Analgesia</i> , 1991, 72, 161-168.	2.2	37
69	Therapy of Patients with Head Injuries. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1997, 42, 10S-18S.	2.4	36
70	Traumatic Brain Injury and Hemorrhagic Hypotension Suppress Neuroprotective Gene Expression in Injured Hippocampal Neurons. <i>Anesthesiology</i> , 2005, 102, 806-814.	2.5	35
71	Traumatic Brain Injury Reduces Myogenic Responses in Pressurized Rodent Middle Cerebral Arteries. <i>Journal of Neurotrauma</i> , 1999, 16, 1177-1186.	3.4	34
72	Inclusion of Turnover Time Does Not Influence Identification of Surgical Services that Over- and Underutilize Allocated Block Time. <i>Anesthesia and Analgesia</i> , 2003, 96, 813-818.	2.2	34

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73	Traumatic brain injury induces long-lasting changes in immune and regenerative signaling. PLoS ONE, 2019, 14, e0214741.	2.5	34
74	Hypertonic Resuscitation Improves Neuronal and Behavioral Outcomes after Traumatic Brain Injury plus Hemorrhage. Anesthesiology, 2008, 108, 873-881.	2.5	34
75	Influence of Stochastic Gene Expression on the Cell Survival Rheostat after Traumatic Brain Injury. PLoS ONE, 2011, 6, e23111.	2.5	34
76	Hemodynamic Status Following Regional and General Anesthesia for Carotid Endarterectomy. Journal of Neurosurgical Anesthesiology, 1989, 1, 35-40.	1.2	33
77	Detection of Structural and Metabolic Changes in Traumatically Injured Hippocampus by Quantitative Differential Proteomics. Journal of Neurotrauma, 2013, 30, 775-788.	3.4	32
78	Phenylephrine Does Not Reduce Cerebral Perfusion During Canine Cardiopulmonary Bypass. Anesthesia and Analgesia, 1994, 79, 1477-1481.	2.2	31
79	A randomized, blinded trial of the antioxidant pegargotein: No reduction in neuropsychological deficits, inotropic drug support, or myocardial ischemia after coronary artery bypass surgery. Journal of Cardiothoracic and Vascular Anesthesia, 1999, 13, 690-694.	1.3	31
80	Elimination Rate Constant Describing Clearance of Infused Fluid from Plasma Is Independent of Large Infusion Volumes of 0.9% Saline in Sheep. Anesthesiology, 2004, 101, 666-674.	2.5	31
81	The relationship between transient zinc ion fluctuations and redox signaling in the pathways of secondary cellular injury: Relevance to traumatic brain injury. Brain Research, 2010, 1330, 131-141.	2.2	31
82	Evidence linking microRNA suppression of essential prosurvival genes with hippocampal cell death after traumatic brain injury. Scientific Reports, 2017, 7, 6645.	3.3	31
83	Myocardial infarction following regional anaesthesia for carotid endarterectomy. Canadian Anaesthetists' Society Journal, 1984, 31, 192-196.	0.5	30
84	Aerosolized anticoagulants ameliorate acute lung injury in sheep after exposure to burn and smoke inhalation. Critical Care Medicine, 2007, 35, 2805-2810.	0.9	30
85	Persistent Behavioral Deficits in Rats after Parasagittal Fluid Percussion Injury. Journal of Neurotrauma, 2017, 34, 1086-1096.	3.4	30
86	Pathway-Focused PCR Array Profiling of Enriched Populations of Laser Capture Microdissected Hippocampal Cells after Traumatic Brain Injury. PLoS ONE, 2015, 10, e0127287.	2.5	30
87	Influence of Rate and Volume of Infusion on the Kinetics of 0.9% Saline and 7.5% Saline/6.0% Dextran 70 in Sheep. Anesthesia and Analgesia, 2002, 95, 1547-1556.	2.2	29
88	Molecular Mechanisms Underlying Effects of Neural Stem Cells against Traumatic Axonal Injury. Journal of Neurotrauma, 2012, 29, 295-312.	3.4	29
89	Adult respiratory distress syndrome secondary to ethylene glycol ingestion. Annals of Emergency Medicine, 1985, 14, 594-596.	0.6	28
90	Peroxynitrite Reduces Vasodilatory Responses to Reduced Intravascular Pressure, Calcitonin Gene-Related Peptide, and Cromakalim in Isolated Middle Cerebral Arteries. Journal of Cerebral Blood Flow and Metabolism, 2001, 21, 253-261.	4.3	28

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91	Theophylline Effect on the Cerebral Blood Flow Response to Hypoxemia. <i>Chest</i> , 1988, 94, 371-375.	0.8	27
92	Patient preference for the pre-anesthesia evaluation: Telephone versus in-office assessment. <i>Journal of Clinical Anesthesia</i> , 2016, 31, 145-148.	1.6	26
93	Comparison of Gene Expression by Sheep and Human Blood Stimulated with the TLR4 Agonists Lipopolysaccharide and Monophosphoryl Lipid A. <i>PLoS ONE</i> , 2015, 10, e0144345.	2.5	26
94	Hypertonic/Hyperoncotic Fluid Resuscitation After Hemorrhagic Shock in Dogs. <i>Anesthesia and Analgesia</i> , 1991, 73, 738-744.	2.2	25
95	Chelation of neurotoxic zinc levels does not improve neurobehavioral outcome after traumatic brain injury. <i>Neuroscience Letters</i> , 2008, 440, 155-159.	2.1	25
96	Effect on blood glucose monitoring of skin pressure exerted by an optical coherence tomography probe. <i>Journal of Biomedical Optics</i> , 2008, 13, 021112.	2.6	25
97	Nano-Pulsed Laser Therapy Is Neuroprotective in a Rat Model of Blast-Induced Neurotrauma. <i>Journal of Neurotrauma</i> , 2018, 35, 1510-1522.	3.4	25
98	Pathway Analysis Reveals Common Pro-Survival Mechanisms of Metyrapone and Carbenoxolone after Traumatic Brain Injury. <i>PLoS ONE</i> , 2013, 8, e53230.	2.5	25
99	Implications of nimodipine prophylaxis of cerebral vasospasm on anesthetic management during intracranial aneurysm clipping. <i>Journal of Neurosurgery</i> , 1985, 62, 200-205.	1.6	24
100	The Effects of Surgical Case Duration and Type of Surgery on Hourly Clinical Productivity of Anesthesiologists. <i>Anesthesia and Analgesia</i> , 2003, 97, 833-838.	2.2	24
101	Organizational Factors Affect Comparisons of the Clinical Productivity of Academic Anesthesiology Departments. <i>Anesthesia and Analgesia</i> , 2003, 96, 802-812.	2.2	24
102	Effects of Resuscitation from Hemorrhagic Shock on Cerebral Hemodynamics in the Presence of an Intracranial Mass. <i>Journal of Trauma</i> , 1987, 27, 18-23.	2.3	23
103	Cerebral hemodynamics after hemorrhagic shock. <i>Critical Care Medicine</i> , 1986, 14, 629-633.	0.9	22
104	Traumatic Brain Injury Creates Biphasic Systemic Hemodynamic and Organ Blood Flow Responses in Rats. <i>Journal of Neurotrauma</i> , 1990, 7, 141-153.	3.4	22
105	Labetalol for the control of elevated blood pressure following coronary artery bypass grafting. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 1990, 4, 210-221.	0.2	22
106	Rebound Intracranial Hypertension in Dogs After Resuscitation with Hypertonic Solutions from Hemorrhagic Shock Accompanied by an Intracranial Mass Lesion. <i>Journal of Neurosurgical Anesthesiology</i> , 1999, 11, 102-111.	1.2	22
107	Designing Meaningful Industry Metrics for Clinical Productivity for Anesthesiology Departments. <i>Anesthesia and Analgesia</i> , 2001, 93, 309-312.	2.2	22
108	Isoflurane Inhibits Compensatory Intravascular Volume Expansion After Hemorrhage in Sheep. <i>Anesthesia and Analgesia</i> , 2006, 103, 350-358.	2.2	22

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109	Hypertonic Acetate Dextran Achieves High-Flow-Low-Pressure Resuscitation of Hemorrhagic Shock. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1995, 38, 602-608.	2.4	22
110	Impact & Blast Traumatic Brain Injury: Implications for Therapy. <i>Molecules</i> , 2018, 23, 245.	3.8	21
111	Near-Infrared Spectroscopy-Guided Closed-Loop Resuscitation of Hemorrhage. <i>Journal of Trauma</i> , 2003, 54, S183-S192.	2.3	21
112	Acute cyanide poisoning from laetrile ingestion. <i>Annals of Emergency Medicine</i> , 1983, 12, 449-451.	0.6	20
113	Plasma volume expansion with solutions of hemoglobin, albumin, and Ringer lactate in sheep. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 1999, 276, H2194-H2203.	3.2	20
114	Anesthetic Pitfalls in the Elderly Patient. <i>Journal of the American College of Surgeons</i> , 2005, 200, 784-794.	0.5	20
115	Influence of Osmolytes on <i>In Vivo</i> Glucose Monitoring Using Optical Coherence Tomography. <i>Experimental Biology and Medicine</i> , 2006, 231, 1323-1332.	2.4	20
116	Splanchnic Oxygen Consumption Is Impaired during Severe Acute Normovolemic Anemia in Anesthetized Humans. <i>Anesthesiology</i> , 2006, 105, 37-44.	2.5	20
117	Adipose-derived stem cells improve grafted burn wound healing by promoting wound bed blood flow. <i>Burns and Trauma</i> , 2020, 8, tkaa009.	4.9	20
118	Nebulized Epinephrine Limits Pulmonary Vascular Hyperpermeability to Water and Protein in Ovine With Burn and Smoke Inhalation Injury. <i>Critical Care Medicine</i> , 2016, 44, e89-e96.	0.9	19
119	Adherence to Endotracheal Tube Depth Guidelines and Incidence of Malposition in Infants and Children. <i>Respiratory Care</i> , 2018, 63, 1111-1117.	1.6	19
120	Comparison of Morphine and Ketamine Anesthetic Technics for Coronary Surgery. <i>Southern Medical Journal</i> , 1978, 71, 33-36.	0.7	18
121	The Effect of Aminophylline on Cerebral Blood Flow in Patients with Chronic Obstructive Pulmonary Disease. <i>Chest</i> , 1987, 91, 874-877.	0.8	18
122	Cerebral Blood Flow Does Not Change Following Sodium Nitroprusside Infusion During Hypothermic Cardiopulmonary Bypass. <i>Anesthesia and Analgesia</i> , 1989, 68, 122-126.	2.2	18
123	Fluid Resuscitation in Septic Shock. <i>Anesthesia and Analgesia</i> , 1989, 69, 699-704.	2.2	18
124	Hemorrhage and intracranial hypertension in combination increase cerebral production of thromboxane A ₂ . <i>Critical Care Medicine</i> , 1991, 19, 532-538.	0.9	18
125	Medium Starch, Please. <i>Anesthesia and Analgesia</i> , 1994, 79, 1034-1035.	2.2	18
126	Effects of Nalmefene, CG3703, Tirilazad, or Dopamine on Cerebral Blood Flow, Oxygen Delivery, and Electroencephalographic Activity After Traumatic Brain Injury and Hemorrhage. <i>Journal of Neurotrauma</i> , 1997, 14, 931-941.	3.4	18

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127	Fentanyl Infusion Preserves Cerebral Blood Flow During Decreased Arterial Blood Pressure After Traumatic Brain Injury in Cats. <i>Journal of Neurotrauma</i> , 1998, 15, 985-992.	3.4	18
128	Intraischemic mild hypothermia increases hippocampal CA1 blood flow during forebrain ischemia. <i>Brain Research</i> , 2001, 890, 1-10.	2.2	18
129	Anesthetic management of traumatic brain injury. <i>Anesthesiology Clinics</i> , 2002, 20, 417-439.	1.4	18
130	Traumatic Brain Injury <i>In Vivo</i> and <i>In Vitro</i> Contributes to Cerebral Vascular Dysfunction through Impaired Gap Junction Communication between Vascular Smooth Muscle Cells. <i>Journal of Neurotrauma</i> , 2014, 31, 739-748.	3.4	18
131	Adipose-derived stem cells attenuate pulmonary microvascular hyperpermeability after smoke inhalation. <i>PLoS ONE</i> , 2017, 12, e0185937.	2.5	18
132	Development of a stretch-induced neurotrauma model for medium-throughput screening <i>in vitro</i> : identification of rifampicin as a neuroprotectant. <i>British Journal of Pharmacology</i> , 2018, 175, 284-300.	5.4	18
133	Principal component analysis of blood microRNA datasets facilitates diagnosis of diverse diseases. <i>PLoS ONE</i> , 2020, 15, e0234185.	2.5	18
134	Effects on cerebral hemodynamics of resuscitation from endotoxic shock with hypertonic saline versus lactated Ringer's solution. <i>Critical Care Medicine</i> , 1985, 13, 1040-1045.	0.9	17
135	PHYSIOLOGIC ACID-BASE AND ELECTROLYTE CHANGES IN ACUTE AND CHRONIC RENAL FAILURE PATIENTS. <i>Anesthesiology Clinics</i> , 2000, 18, 809-833.	1.4	17
136	Prediction Capability of Optical Coherence Tomography for Blood Glucose Concentration Monitoring. <i>Journal of Diabetes Science and Technology</i> , 2007, 1, 470-477.	2.2	17
137	Optoacoustic detection of intra- and extracranial hematomas in rats after blast injury. <i>Photoacoustics</i> , 2014, 2, 75-80.	7.8	17
138	Cerebral Near-Infrared Spectroscopy. <i>Anesthesia and Analgesia</i> , 1996, 83, 673-674.	2.2	16
139	EFFECTS OF HYPERTONIC ARGININE ON CEREBRAL BLOOD FLOW AND INTRACRANIAL PRESSURE AFTER TRAUMATIC BRAIN INJURY COMBINED WITH HEMORRHAGIC HYPOTENSION. <i>Shock</i> , 2006, 26, 290-295.	2.1	16
140	Arginine Decreases Fluid-Percussion Injury-Induced Neuronal Nitrotyrosine Immunoreactivity in Rats. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2008, 28, 1733-1741.	4.3	16
141	Cerebrovascular Connexin Expression: Effects of Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2011, 28, 1803-1811.	3.4	16
142	MicroRNA sequencing of rat hippocampus and human biofluids identifies acute, chronic, focal and diffuse traumatic brain injuries. <i>Scientific Reports</i> , 2020, 10, 3341.	3.3	16
143	Traumatic brain injury induces region-specific glutamate metabolism changes as measured by multiple mass spectrometry methods. <i>IScience</i> , 2021, 24, 103108.	4.1	16
144	Cerebral near-infrared spectroscopy. <i>Critical Care Medicine</i> , 1995, 23, 1624-1626.	0.9	16

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145	Physiology and Pharmacology of Cerebral Blood Flow and Metabolism. <i>Critical Care Clinics</i> , 1989, 5, 713-728.	2.6	14
146	Pharmacokinetic aspects of fluid therapy. <i>Bailliere's Best Practice and Research in Clinical Anaesthesiology</i> , 2009, 23, 213-224.	4.0	14
147	Proteomic changes in traumatic brain injury: experimental approaches. <i>Current Opinion in Neurology</i> , 2018, 31, 709-717.	3.6	14
148	Mannitol. <i>Critical Care Medicine</i> , 1998, 26, 997-998.	0.9	14
149	Influence of the Type of Anesthesia Provider on Costs of Labor Analgesia to the Texas Medicaid Program. <i>Anesthesiology</i> , 2004, 101, 991-998.	2.5	13
150	Two Reports of Propofol Anesthesia Associated with Metabolic Acidosis in Adults. <i>Anesthesiology</i> , 2004, 101, 6-8.	2.5	13
151	Effects of trauma, hemorrhage and resuscitation in aged rats. <i>Brain Research</i> , 2013, 1496, 28-35.	2.2	13
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