Patrick M Kochanek

List of Publications by Year
in descending order

661 papers	35,221 citations	2802 94 h-index	6836 155 g-index
684 all docs	684 docs citations	684 times ranked	21786 citing authors

#	Article	IF	Citations
1	Association Between Hyperoxemia and Increased Cell-Free Plasma Hemoglobin During Cardiopulmonary Bypass in Infants and Children*. Pediatric Critical Care Medicine, 2022, 23, e111-e119.	0.5	7
2	Serum levels of the cold stress hormones FGF21 and GDF-15 after cardiac arrest in infants and children enrolled in single center therapeutic hypothermia clinical trials. Resuscitation, 2022, 172, 173-180.	3.0	5
3	Decreased DNA Methylation of RGMA is Associated with Intracranial Hypertension After Severe Traumatic Brain Injury: An Exploratory Epigenome-Wide Association Study. Neurocritical Care, 2022, 37, 26-37.	2.4	8
4	Association between pediatric TBI mortality and median family income in the United States: A retrospective cohort study. The Lancet Regional Health Americas, 2022, 5, 100164.	2.6	5
5	RNA Binding Motif 5 Gene Deletion Modulates Cell Signaling in a Sex-Dependent Manner but Not Hippocampal Cell Death. Journal of Neurotrauma, 2022, 39, 577-589.	3.4	2
6	Black swans or red herrings â€“ Inflammatory derangement after cardiac arrest. Resuscitation, 2022, 171, 100-102.	3.0	0
7	Hypoxiaâ€“ischemia-mediated effects on neurodevelopmentally regulated cold-shock proteins in neonatal mice under strict temperature control. Pediatric Research, 2022, , .	2.3	4
8	Comparison of Intracranial Pressure Measurements Before and After Hypertonic Saline or Mannitol Treatment in Children With Severe Traumatic Brain Injury. JAMA Network Open, 2022, 5, e220891.	5.9	29
9	Targeting TNFÎ±â€‘mediated cytotoxicity using thalidomide after experimental cardiac arrest in rats: An exploratory study. Experimental and Therapeutic Medicine, 2022, 23, 380.	1.8	1
10	Association of EEG and Blood-Based Brain Injury Biomarker Accuracy to Prognosticate Mortality After Pediatric Cardiac Arrest: An Exploratory Study. Pediatric Neurology, 2022, 134, 25-30.	2.1	2
11	Use of Magnetic Resonance Imaging in Neuroprognostication After Pediatric Cardiac Arrest: Survey of Current Practices. Pediatric Neurology, 2022, 134, 45-51.	2.1	4
12	Comparative Effectiveness of Diversion of Cerebrospinal Fluid for Children With Severe Traumatic Brain Injury. JAMA Network Open, 2022, 5, e2220969.	5.9	12
13	Assessment of Dynamic Intracranial Compliance in Children with Severe Traumatic Brain Injury: Proof-of-Concept. Neurocritical Care, 2021, 34, 209-217.	2.4	6
14	Feasibility and Performance of a Gel-Adhesive Pad System for Pediatric Targeted Temperature Management: An Exploratory Analysis of 19 Pediatric Critically Ill Patients. Therapeutic Hypothermia and Temperature Management, 2021, 11, 19-27.	0.9	1
15	Strengthening the link between pre-clinical and clinical resuscitation research. Resuscitation, 2021, 158, 282-285.	3.0	2
16	Glibenclamide Treatment in Traumatic Brain Injury: Operation Brain Trauma Therapy. Journal of Neurotrauma, 2021, 38, 628-645.	3.4	20
17	Blood Biomarkers for Detection of Brain Injury in COVID-19 Patients. Journal of Neurotrauma, 2021, 38, 1-43.	3.4	68
18	Multifaceted Benefit of Whole Blood Versus Lactated Ringerâ€™s Resuscitation After Traumatic Brain Injury and Hemorrhagic Shock in Mice. Neurocritical Care, 2021, 34, 781-794.	2.4	4

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19	Hippocampal and Prefrontal Cortical Brain Tissue Levels of Irisin and GDF15 Receptor Subunits in Children. Molecular Neurobiology, 2021, 58, 2145-2157.	4.0	9
20	Serum Biomarkers of Regeneration and Plasticity are Associated with Functional Outcome in Pediatric Neurocritical Illness: An Exploratory Study. Neurocritical Care, 2021, 35, 457-467.	2.4	6
21	Cardiac Arrest Induced by Asphyxia Versus Ventricular Fibrillation Elicits Comparable Early Changes in Cytokine Levels in the Rat Brain, Heart, and Serum. Journal of the American Heart Association, 2021, 10, e018657.	3.7	13
22	Ascorbate deficiency confers resistance to hippocampal neurodegeneration after asphyxial cardiac arrest in juvenile rats. Pediatric Research, 2021, , .	2.3	0
23	CSF lipocalin-2 increases early in subarachnoid hemorrhage are associated with neuroinflammation and unfavorable outcome. Journal of Cerebral Blood Flow and Metabolism, 2021, 41, 2524-2533.	4.3	15
24	Cerebrospinal Fluid Sulfonylurea Receptor-1 is Associated with Intracranial Pressure and Outcome after Pediatric TBI: An Exploratory Analysis of the Cool Kids Trial. Journal of Neurotrauma, 2021, 38, 1615-1619.	3.4	9
25	Targeting â€œNatural Born Killersâ€•to Modulate Immune Suppression in Neurocritical Care. Neurocritical Care, 2021, 35, 608-610.	2.4	1
26	Genetic Variants Associated With Intraparenchymal Hemorrhage Progression After Traumatic Brain Injury. JAMA Network Open, 2021, 4, e2116839.	5.9	11
27	An exploratory assessment of serum biomarkers of post-cardiac arrest syndrome in children. Resuscitation, 2021, 167, 307-316.	3.0	5
28	Cardiopulmonary Resuscitation and Rescue Therapies. Critical Care Medicine, 2021, 49, 1375-1388.	0.9	5
29	Roadmap for Advancing Pre-Clinical Science in Traumatic Brain Injury. Journal of Neurotrauma, 2021, 38, 3204-3221.	3.4	20
30	Fluid therapy after brain injury: the pendulum swings again. Lancet Neurology, The, 2021, 20, 587-589.	10.2	0
31	Choice of Whole Blood versus Lactated Ringer's Resuscitation Modifies the Relationship between Blood Pressure Target and Functional Outcome after Traumatic Brain Injury plus Hemorrhagic Shock in Mice. Journal of Neurotrauma, 2021, 38, 2907-2917.	3.4	3
32	Sustained Dysbiosis and Decreased Fecal Short-Chain Fatty Acids after Traumatic Brain Injury and Impact on Neurologic Outcome. Journal of Neurotrauma, 2021, 38, 2610-2621.	3.4	27
33	Abcc8 (Sulfonylurea Receptor-1) Impact on Brain Atrophy after Traumatic Brain Injury Varies by Sex. Journal of Neurotrauma, 2021, 38, 2473-2485.	3.4	5
34	Kollidon VA64 Treatment in Traumatic Brain Injury: Operation Brain Trauma Therapy. Journal of Neurotrauma, 2021, 38, 2454-2472.	3.4	5
35	Intracranial and Cerebral Perfusion Pressure Thresholds Associated With Inhospital Mortality Across Pediatric Neurocritical Care*. Pediatric Critical Care Medicine, 2021, 22, 135-146.	0.5	18
36	Prehospital Whole Blood Resuscitation Reduces Fluid Requirement While Maintaining Critical Physiology in a Model of Penetrating Traumatic Brain Injury and Hemorrhage: Implications on Resource-Limited Combat Casualty Care. Shock, 2021, 55, 545-553.	2.1	4

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37	Sulfonylurea Receptor 1 in Central Nervous System Injury: An Updated Review. International Journal of Molecular Sciences, 2021, 22, 11899.	4.1	22
38	Paths to Successful Translation of New Therapies for Severe Traumatic Brain Injury in the Golden Age of Traumatic Brain Injury Research: A Pittsburgh Vision. Journal of Neurotrauma, 2020, 37, 2353-2371.	3.4	31
39	A Perfect Tribute to the Tremendous Academic Growth of Pediatric Critical Care Medicine in Turkey. Pediatric Critical Care Medicine, 2020, 21, 1.	0.5	2
40	Emergency Department Implementation of the Brain Trauma FoundationÊ¼s Pediatric Severe Brain Injury Guideline Recommendations. Pediatric Emergency Care, 2020, 36, e239-e241.	0.9	0
41	Bioactive Oxylipins in Infants and Children With Congenital Heart Disease Undergoing Pediatric Cardiopulmonary Bypass. Pediatric Critical Care Medicine, 2020, 21, 33-41.	0.5	10
42	Early Axonal Injury and Delayed Cytotoxic Cerebral Edema are Associated with Microglial Activation in a Mouse Model of Sepsis. Shock, 2020, 54, 256-264.	2.1	9
43	Circulating GFAP and Iba-1 levels are associated with pathophysiological sequelae in the thalamus in a pig model of mild TBI. Scientific Reports, 2020, 10, 13369.	3.3	32
44	RNA Binding Motif 5 (RBM5) in the CNSâ€"Moving Beyond Cancer to Harness RNA Splicing to Mitigate the Consequences of Brain Injury. Frontiers in Molecular Neuroscience, 2020, 13, 126.	2.9	14
45	Brain MR imaging and spectroscopy for outcome prognostication after pediatric cardiac arrest. Resuscitation, 2020, 157, 185-194.	3.0	17
46	Personalising Outcomes after Child Cardiac Arrest (POCCA): design and recruitment challenges of a multicentre, observational study. BMJ Open, 2020, 10, e039323.	1.9	5
47	Depletion of gut microbiota is associated with improved neurologic outcome following traumatic brain injury. Brain Research, 2020, 1747, 147056.	2.2	29
48	Smiling on the Bright Future of Pediatric Critical Care Medicine and the â€œTask(er)â€•at Hand. Pediatric Critical Care Medicine, 2020, 21, 1033-1034.	0.5	1
49	Epigenetic Effects on Pediatric Traumatic Brain Injury Recovery (EETR): An Observational, Prospective, Longitudinal Concurrent Cohort Study Protocol. Frontiers in Neurology, 2020, 11, 460.	2.4	6
50	The Presence of Anemia in Children with Abusive Head Trauma. Journal of Pediatrics, 2020, 223, 148-155.e2.	1.8	3
51	â€œTake a Numberâ€â€"Precision Monitoring Directs Precision Therapy. Neurocritical Care, 2020, 32, 683-686.	2.4	2
52	Cerebral Edema in Traumatic Brain Injury: a Historical Framework for Current Therapy. Current Treatment Options in Neurology, 2020, 22, 1.	1.8	22
53	Is there a role for therapeutic hypothermia in critical care?. , 2020, , 179-185.e1.		0
54	Development and Reporting of Prediction Models: Guidance for Authors From Editors of Respiratory, Sleep, and Critical Care Journals. Critical Care Medicine, 2020, 48, 623-633.	0.9	188

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55	Identification of Novel Targets of RBM5 in the Healthy and Injured Brain. Neuroscience, 2020, 440, 299-315.	2.3	7
56	Operation Brain Trauma Therapy: An Exploratory Study of Levetiracetam Treatment Following Mild Traumatic Brain Injury in the Micro Pig. Frontiers in Neurology, 2020, 11, 586958.	2.4	9
57	Global Consortium Study of Neurological Dysfunction in COVID-19 (GCS-NeuroCOVID): Study Design and Rationale. Neurocritical Care, 2020, 33, 25-34.	2.4	51
58	Addressing Key Clinical Care and Clinical Research Needs in Severe Pediatric Traumatic Brain Injury: Perspectives From a Focused International Conference. Frontiers in Pediatrics, 2020, 8, 594425.	1.9	4
59	Pathophysiology and treatment of cerebral edema in traumatic brain injury. Neuropharmacology, 2019, 145, 230-246.	4.1	269
60	Lack of Benefit on Brain Edema, Bloodâ€"Brain Barrier Permeability, or Cognitive Outcome in Global Inducible High Mobility Group Box 1 Knockout Mice Despite Tissue Sparing after Experimental Traumatic Brain Injury. Journal of Neurotrauma, 2019, 36, 360-369.	3.4	16
61	Neurostimulant Prescribing Patterns in Children Admitted to the Intensive Care Unit after Traumatic Brain Injury. Journal of Neurotrauma, 2019, 36, 293-299.	3.4	5
62	Systemic Estrone Production and Injury-Induced Sex Hormone Steroidogenesis after Severe Traumatic Brain Injury: A Prognostic Indicator of Traumatic Brain Injury-Related Mortality. Journal of Neurotrauma, 2019, 36, 1156-1167.	3.4	12
63	Serum-Based Phospho-Neurofilament-Heavy Protein as Theranostic Biomarker in Three Models of Traumatic Brain Injury: An Operation Brain Trauma Therapy Study. Journal of Neurotrauma, 2019, 36, 348-359.	3.4	26
64	Nitrite pharmacokinetics, safety and efficacy after experimental ventricular fibrillation cardiac arrest. Nitric Oxide - Biology and Chemistry, 2019, 93, 71-77.	2.7	6
65	International traumatic brain injury research: an annus mirabilis?. Lancet Neurology, The, 2019, 18, 904-905.	10.2	2
66	Robust RBM3 and Î²-klotho expression in developing neurons in the human brain. Journal of Cerebral Blood Flow and Metabolism, 2019, 39, 2355-2367.	4.3	24
67	Factors Contributing to Fentanyl Pharmacokinetic Variability Among Diagnostically Diverse Critically Ill Children. Clinical Pharmacokinetics, 2019, 58, 1567-1576.	3.5	5
68	Important Outcomes for Parents of Critically Ill Children. Critical Care Nurse, 2019, 39, 74-79.	1.0	14
69	Cooling via Trans-nasal High Flow Ambient Air: Does it Pass the Smell Test?. Neurocritical Care, 2019, 30, 505-507.	2.4	0
70	Detection of brain specific cardiolipins in plasma after experimental pediatric head injury. Experimental Neurology, 2019, 316, 63-73.	4.1	16
71	Guidelines for the Management of Pediatric Severe Traumatic Brain Injury, Third Edition: Update of the Brain Trauma Foundation Guidelines, Executive Summary. Neurosurgery, 2019, 84, 1169-1178.	1.1	104
72	Guidelines for the Management of Pediatric Severe Traumatic Brain Injury, Third Edition: Update of the Brain Trauma Foundation Guidelines, Executive Summary. Pediatric Critical Care Medicine, 2019, 20, 280-289.	0.5	89

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73	Management of Pediatric Severe Traumatic Brain Injury: 2019 Consensus and Guidelines-Based Algorithm for First and Second Tier Therapies. Pediatric Critical Care Medicine, 2019, 20, 269-279.	0.5	146
74	2â€²,3â€²-cGMP exists in vivo and comprises a 2â€²,3â€²-cGMP-guanosine pathway. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2019, 316, R783-R790.	1.8	12
75	Ferroptosis Contributes to Neuronal Death and Functional Outcome After Traumatic Brain Injury*. Critical Care Medicine, 2019, 47, 410-418.	0.9	191
76	A New Vision for Therapeutic Hypothermia in the Era of Targeted Temperature Management: A Speculative Synthesis. Therapeutic Hypothermia and Temperature Management, 2019, 9, 13-47.	0.9	55
77	Membrane transporters in traumatic brain injury: Pathological, pharmacotherapeutic, and developmental implications. Experimental Neurology, 2019, 317, 10-21.	4.1	5
78	Development and Performance of Electronic Pediatric Risk of Mortality and Pediatric Logistic Organ Dysfunction-2 Automated Acuity Scores*. Pediatric Critical Care Medicine, 2019, 20, e372-e379.	0.5	13
79	Early Protocolized Versus Usual Care Rehabilitation for Pediatric Neurocritical Care Patients. Pediatric Critical Care Medicine, 2019, 20, 540-550.	0.5	32
80	The authors reply. Pediatric Critical Care Medicine, 2019, 20, 1105-1107.	0.5	0
81	Guidelines for the Management of Pediatric Severe Traumatic Brain Injury, Third Edition: Update of the Brain Trauma Foundation Guidelines. Pediatric Critical Care Medicine, 2019, 20, S1-S82.	0.5	218
82	PICU-Based Rehabilitation and Outcomes Assessment. Pediatric Critical Care Medicine, 2019, 20, e274-e282.	0.5	21
83	Oxidative stress induces release of 2â€™-AMP from microglia. Brain Research, 2019, 1706, 101-109.	2.2	7
84	Cardiolipin-Dependent Mitophagy Guides Outcome after Traumatic Brain Injury. Journal of Neuroscience, 2019, 39, 1930-1943.	3.6	71
85	The aquaporin-4 inhibitor AER-271 blocks acute cerebral edema and improves early outcome in a pediatric model of asphyxial cardiac arrest. Pediatric Research, 2019, 85, 511-517.	2.3	18
86	DownstreamTRPM4Polymorphisms Are Associated with Intracranial Hypertension and Statistically Interact withABCC8Polymorphisms in a Prospective Cohort of Severe Traumatic Brain Injury. Journal of Neurotrauma, 2019, 36, 1804-1817.	3.4	28
87	Quantitative and qualitative assessment of glymphatic flux using Evans blue albumin. Journal of Neuroscience Methods, 2019, 311, 436-441.	2.5	20
88	Cerebral microcirculatory alterations and the no-reflow phenomenon inÂvivo after experimental pediatric cardiac arrest. Journal of Cerebral Blood Flow and Metabolism, 2019, 39, 913-925.	4.3	16
89	The role of autophagy in acute brain injury: A state of flux?. Neurobiology of Disease, 2019, 122, 9-15.	4.4	40
90	Minocycline fails to improve neurologic and histologic outcome after ventricular fibrillation cardiac arrest in rats. World Journal of Critical Care Medicine, 2019, 8, 106-119.	1.8	7

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91	Opioid e-prescribing trends at discharge in a large pediatric health system. Journal of Opioid Management, 2019, 15, 119-127.	0.5	4
92	24 vs. 72 hours of hypothermia for pediatric cardiac arrest: A pilot, randomized controlled trial. Resuscitation, 2018, 126, 14-20.	3.0	23
93	Regionally clustered ABCC8 polymorphisms in a prospective cohort predict cerebral oedema and outcome in severe traumatic brain injury. Journal of Neurology, Neurosurgery and Psychiatry, 2018, 89, 1152-1162.	1.9	36
94	Traumatic Brain Injury and Infectious Encephalopathy in Children From Four Resource-Limited Settings in Africa*. Pediatric Critical Care Medicine, 2018, 19, 649-657.	0.5	19
95	Presenting predictors and temporal trends of treatment-related outcomes in diabetic ketoacidosis. Pediatric Diabetes, 2018, 19, 985-992.	2.9	5
96	Operation Brain Trauma Therapy: 2016 Update. Military Medicine, 2018, 183, 303-312.	0.8	41
97	Glibenclamide Produces Region-Dependent Effects on Cerebral Edema in a Combined Injury Model of Traumatic Brain Injury and Hemorrhagic Shock in Mice. Journal of Neurotrauma, 2018, 35, 2125-2135.	3.4	35
98	Initiating Nutritional Support Before 72 Hours Is Associated With Favorable Outcome After Severe Traumatic Brain Injury in Children: A Secondary Analysis of a Randomized, Controlled Trial of Therapeutic Hypothermia. Pediatric Critical Care Medicine, 2018, 19, 345-352.	0.5	22
99	BrainPhysÂ® increases neurofilament levels in CNS cultures, and facilitates investigation of axonal damage after a mechanical stretch-injury in vitro. Experimental Neurology, 2018, 300, 232-246.	4.1	25
100	Phenotyping Cardiac Arrest: Bench and Bedside Characterization of Brain and Heart Injury Based on Etiology. Critical Care Medicine, 2018, 46, e508-e515.	0.9	41
101	Brain-Specific Serum Biomarkers Predict Neurological Morbidity in Diagnostically Diverse Pediatric Intensive Care Unit Patients. Neurocritical Care, 2018, 28, 26-34.	2.4	17
102	ABCG2 c.421C>A Is Associated with Outcomes after Severe Traumatic Brain Injury. Journal of Neurotrauma, 2018, 35, 48-53.	3.4	13
103	Minocycline Attenuates High Mobility Group Box 1 Translocation, Microglial Activation, and Thalamic Neurodegeneration after Traumatic Brain Injury in Post-Natal Day 17 Rats. Journal of Neurotrauma, 2018, 35, 130-138.	3.4	45
104	Infants Uniquely Express High Levels of RBM3 and Other Cold-Adaptive Neuroprotectant Proteins in the Human Brain. Developmental Neuroscience, 2018, 40, 325-336.	2.0	18
105	A Precision Medicine Approach to Cerebral Edema and Intracranial Hypertension after Severe Traumatic Brain Injury: Quo Vadis?. Current Neurology and Neuroscience Reports, 2018, 18, 105.	4.2	30
106	Duration of therapeutic hypothermia or targeted temperature management in pediatric cardiac arrest: Seeing through the ice. Resuscitation, 2018, 133, A3-A4.	3.0	1
107	Intracranial Pressure Trajectories: A Novel Approach to Informing Severe Traumatic Brain Injury Phenotypes*. Critical Care Medicine, 2018, 46, 1792-1802.	0.9	47
108	Pre-Clinical Testing of Therapies for Traumatic Brain Injury. Journal of Neurotrauma, 2018, 35, 2737-2754.	3.4	68

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109	Exploratory Application of Neuropharmacometabolomics in Severe Childhood Traumatic Brain Injury*. Critical Care Medicine, 2018, 46, 1471-1479.	0.9	14
110	Acute Physiology and Neurologic Outcomes after Brain Injury in SCOP/PHLPP1 KO Mice. Scientific Reports, 2018, 8, 7158.	3.3	15
111	Metabolic and Structural Imaging at 7 Tesla After Repetitive Mild Traumatic Brain Injury in Immature Rats. ASN Neuro, 2018, 10, 175909141877054.	2.7	20
112	Multi-Center Pre-clinical Consortia to Enhance Translation of Therapies and Biomarkers for Traumatic Brain Injury: Operation Brain Trauma Therapy and Beyond. Frontiers in Neurology, 2018, 9, 640.	2.4	42
113	Probenecid, an organic anion transporter 1 and 3 inhibitor, increases plasma and brain exposure of N-acetylcysteine. Xenobiotica, 2017, 47, 346-353.	1.1	39
114	Physical and occupational therapy utilization in a pediatric intensive care unit. Journal of Critical Care, 2017, 40, 15-20.	2.2	27
115	The far-reaching scope of neuroinflammation after traumatic brain injury. Nature Reviews Neurology, 2017, 13, 171-191.	10.1	687
116	Cerebrospinal Fluid NLRP3 is Increased After Severe Traumatic Brain Injury in Infants and Children. Neurocritical Care, 2017, 27, 44-50.	2.4	90
117	Derivation and Validation of a Serum Biomarker Panel to Identify Infants With Acute Intracranial Hemorrhage. JAMA Pediatrics, 2017, 171, e170429.	6.2	19
118	Ventricular fibrillation cardiac arrest produces a chronic striatal hyperdopaminergic state that is worsened by methylphenidate treatment. Journal of Neurochemistry, 2017, 142, 305-322.	3.9	6
119	Global assessment of oxidized free fatty acids in brain reveals an enzymatic predominance to oxidative signaling after trauma. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2017, 1863, 2601-2613.	3.8	20
120	Titrating the Dose of Oxygen after Severe Traumatic Brain Injury in the Era of Precision Medicine. Journal of Neurotrauma, 2017, 34, 3067-3069.	3.4	6
121	Development of the emergency preservation and resuscitation for cardiac arrest from trauma clinical trial. Journal of Trauma and Acute Care Surgery, 2017, 83, 803-809.	2.1	44
122	Abusive Head Trauma and Mortalityâ€"An Analysis From an International Comparative Effectiveness Study of Children With Severe Traumatic Brain Injury. Critical Care Medicine, 2017, 45, 1398-1407.	0.9	51
123	A â€œMetamorphosisâ€•in Our Approach to Treatment Is Not Likely to Result From a Meta-Analysis of the Use of Therapeutic Hypothermia in Severe Traumatic Brain Injury*. Critical Care Medicine, 2017, 45, 744-745.	0.9	3
124	International Survey of Critically Ill Children With Acute Neurologic Insults: The Prevalence of Acute Critical Neurological Disease in Children: A Global Epidemiological Assessment Study*. Pediatric Critical Care Medicine, 2017, 18, 330-342.	0.5	79
125	ABCB1 genotype is associated with fentanyl requirements in critically ill children. Pediatric Research, 2017, 82, 29-35.	2.3	19
126	Adenosine production by brain cells. Journal of Neurochemistry, 2017, 141, 676-693.	3.9	23

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127	Autophagy Biomarkers Beclin 1 and p62 are Increased in Cerebrospinal Fluid after Traumatic Brain Injury. Neurocritical Care, 2017, 26, 348-355.	2.4	42
128	The pharmacogenomics of severe traumatic brain injury. Pharmacogenomics, 2017, 18, 1413-1425.	1.3	15
129	Whole-transcriptome microarray analysis reveals regulation of Rab4 by RBM5 in neurons. Neuroscience, 2017, 361, 93-107.	2.3	12
130	Big Data Not Yet Big Enough to Determine the Influence of Intracranial Pressure Monitoring on Outcome in Children With Severe Traumatic Brain Injury. JAMA Pediatrics, 2017, 171, 942.	6.2	12
131	Pre-clinical models in pediatric traumatic brain injuryâ€"challenges and lessons learned. Child's Nervous System, 2017, 33, 1693-1701.	1.1	32
132	Therapeutic Hypothermia and Targeted Temperature Management With or Without the â€œCold Stressâ€• Response. Therapeutic Hypothermia and Temperature Management, 2017, 7, 134-136.	0.9	2
133	Enduring disturbances in regional cerebral blood flow and brain oxygenation at 24â€‰h after asphyxial cardiac arrest in developing rats. Pediatric Research, 2017, 81, 94-98.	2.3	7
134	ABCC8 Single Nucleotide Polymorphisms are Associated with Cerebral Edema in Severe TBI. Neurocritical Care, 2017, 26, 213-224.	2.4	40
135	Polynitroxylated Pegylated Hemoglobinâ€"A Novel, Small Volume Therapeutic for Traumatic Brain Injury Resuscitation: Comparison to Whole Blood and Dose Response Evaluation. Journal of Neurotrauma, 2017, 34, 1337-1350.	3.4	13
136	Long-Term Deficits in Cortical Circuit Function after Asphyxial Cardiac Arrest and Resuscitation in Developing Rats. ENeuro, 2017, 4, ENEURO.0319-16.2017.	1.9	5
137	The Brain and Hypothermiaâ€"From Aristotle to Targeted Temperature Management. Critical Care Medicine, 2017, 45, 305-310.	0.9	18
138	The benefits of youth are lost on the young cardiac arrest patient. F1000Research, 2017, 6, 77.	1.6	2
139	Phase I randomized clinical trial of N-acetylcysteine in combination with an adjuvant probenecid for treatment of severe traumatic brain injury in children. PLoS ONE, 2017, 12, e0180280.	2.5	39
140	Effectiveness of Pharmacological Therapies for Intracranial Hypertension in Children With Severe Traumatic Brain Injuryâ€"Results From an Automated Data Collection System Time-Synched to Drug Administration. Pediatric Critical Care Medicine, 2016, 17, 236-245.	0.5	56
141	Validation of the Pittsburgh Infant Brain Injury Score for Abusive Head Trauma. Pediatrics, 2016, 138, .	2.1	60
142	Hidden Perils of the â€œWild Blue Yonderâ€•after Traumatic Brain Injury. Journal of Neurotrauma, 2016, 33, 1729-1731.	3.4	1
143	Cyclosporine Treatment in Traumatic Brain Injury: Operation Brain Trauma Therapy. Journal of Neurotrauma, 2016, 33, 553-566.	3.4	44
144	Serum Concentrations of Ubiquitin C-Terminal Hydrolase-L1 and Glial Fibrillary Acidic Protein after Pediatric Traumatic Brain Injury. Scientific Reports, 2016, 6, 28203.	3.3	80

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145	Exploratory study of serum ubiquitin carboxyl-terminal esterase L1 and glial fibrillary acidic protein for outcome prognostication after pediatric cardiac arrest. Resuscitation, 2016, 101, 65-70.	3.0	30
146	Imaging mass spectrometry reveals loss of polyunsaturated cardiolipins in the cortical contusion, hippocampus, and thalamus after traumatic brain injury. Journal of Neurochemistry, 2016, 139, 659-675.	3.9	41
147	Secondary Changes After Injury and Temperature. Therapeutic Hypothermia and Temperature Management, 2016, 6, 58-62.	0.9	3
148	Purines: forgotten mediators in traumatic brain injury. Journal of Neurochemistry, 2016, 137, 142-153.	3.9	28
149	Mechanistic characterization of nitriteâ€mediated neuroprotection after experimental cardiac arrest. Journal of Neurochemistry, 2016, 139, 419-431.	3.9	27
150	Effect of Hypothermia and Targeted Temperature Management on Drug Disposition and Response Following Cardiac Arrest: A Comprehensive Review of Preclinical and Clinical Investigations. Therapeutic Hypothermia and Temperature Management, 2016, 6, 169-179.	0.9	46
151	Combined Neurotrauma Models: Experimental Models Combining Traumatic Brain Injury and Secondary Insults. Methods in Molecular Biology, 2016, 1462, 393-411.	0.9	9
152	Central Nervous System Injury and Temperature Management. Therapeutic Hypothermia and Temperature Management, 2016, 6, 112-115.	0.9	1
153	Traumatic brain injuries. Nature Reviews Disease Primers, 2016, 2, 16084.	30.5	380
154	Intracranial Hypertension and Cerebral Hypoperfusion in Children With Severe Traumatic Brain Injury: Thresholds and Burden in Accidental and Abusive Insults. Pediatric Critical Care Medicine, 2016, 17, 444-450.	0.5	40
155	Erythropoietin Treatment in Traumatic Brain Injury: Operation Brain Trauma Therapy. Journal of Neurotrauma, 2016, 33, 538-552.	3.4	51
156	Global and Regional Derangements of Cerebral Blood Flow and Diffusion Magnetic Resonance Imaging after PediatricÂCardiac Arrest. Journal of Pediatrics, 2016, 169, 28-35.e1.	1.8	23
157	Traumatic brain injury research highlights in 2015. Lancet Neurology, The, 2016, 15, 13-15.	10.2	12
158	Nicotinamide Treatment in Traumatic Brain Injury: Operation Brain Trauma Therapy. Journal of Neurotrauma, 2016, 33, 523-537.	3.4	63
159	Principal components derived from CSF inflammatory profiles predict outcome in survivors after severe traumatic brain injury. Brain, Behavior, and Immunity, 2016, 53, 183-193.	4.1	45
160	Probenecid and N-Acetylcysteine Prevent Loss of Intracellular Glutathione and Inhibit Neuronal Death after Mechanical Stretch Injury In Vitro. Journal of Neurotrauma, 2016, 33, 1913-1917.	3.4	19
161	Simvastatin Treatment in Traumatic Brain Injury: Operation Brain Trauma Therapy. Journal of Neurotrauma, 2016, 33, 567-580.	3.4	40
162	Synthesis of Findings, Current Investigations, and Future Directions: Operation Brain Trauma Therapy. Journal of Neurotrauma, 2016, 33, 606-614.	3.4	61

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163	Ultrastructure of Diaschisis Lesions after Traumatic Brain Injury. Journal of Neurotrauma, 2016, 33, 1866-1882.	3.4	24
164	Insight into Pre-Clinical Models of Traumatic Brain Injury Using Circulating Brain Damage Biomarkers: Operation Brain Trauma Therapy. Journal of Neurotrauma, 2016, 33, 595-605.	3.4	71
165	Levetiracetam Treatment in Traumatic Brain Injury: Operation Brain Trauma Therapy. Journal of Neurotrauma, 2016, 33, 581-594.	3.4	60
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