

Elisa R Zanier

List of Publications by Year in descending order

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Version: 2024-02-01

96
papers

5,026
citations

76196

40
h-index

98622

67
g-index

105
all docs

105
docs citations

105
times ranked

6630
citing authors

#	ARTICLE	IF	CITATIONS
1	Chronic impact of traumatic brain injury on outcome and quality of life: a narrative review. <i>Critical Care</i> , 2016, 20, 148.	2.5	276
2	Brain temperature, body core temperature, and intracranial pressure in acute cerebral damage. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2001, 71, 448-454.	0.9	252
3	The Ischemic Environment Drives Microglia and Macrophage Function. <i>Frontiers in Neurology</i> , 2015, 6, 81.	1.1	217
4	Results of a preclinical randomized controlled multicenter trial (pRCT): Anti-CD49d treatment for acute brain ischemia. <i>Science Translational Medicine</i> , 2015, 7, 299ra121.	5.8	207
5	Versatility of the complement system in neuroinflammation, neurodegeneration and brain homeostasis. <i>Frontiers in Cellular Neuroscience</i> , 2014, 8, 380.	1.8	171
6	Pyrexia in head-injured patients admitted to intensive care. <i>Intensive Care Medicine</i> , 2002, 28, 1555-1562.	3.9	159
7	Bone Marrow Mesenchymal Stromal Cells Drive Protective M2 Microglia Polarization After Brain Trauma. <i>Neurotherapeutics</i> , 2014, 11, 679-695.	2.1	140
8	Human umbilical cord blood mesenchymal stem cells protect mice brain after trauma*. <i>Critical Care Medicine</i> , 2011, 39, 2501-2510.	0.4	130
9	Neuroprotection in acute brain injury: an up-to-date review. <i>Critical Care</i> , 2015, 19, 186.	2.5	120
10	Targeting Mannose-Binding Lectin Confers Long-Lasting Protection With a Surprisingly Wide Therapeutic Window in Cerebral Ischemia. <i>Circulation</i> , 2012, 126, 1484-1494.	1.6	119
11	Shape descriptors of the "never resting" microglia in three different acute brain injury models in mice. <i>Intensive Care Medicine Experimental</i> , 2015, 3, 39.	0.9	117
12	Intracranial Pressure After Subarachnoid Hemorrhage*. <i>Critical Care Medicine</i> , 2015, 43, 168-176.	0.4	117
13	C1-inhibitor attenuates neurobehavioral deficits and reduces contusion volume after controlled cortical impact brain injury in mice*. <i>Critical Care Medicine</i> , 2009, 37, 659-665.	0.4	116
14	Fluid therapy in neurointensive care patients: ESICM consensus and clinical practice recommendations. <i>Intensive Care Medicine</i> , 2018, 44, 449-463.	3.9	113
15	Refractory intracranial hypertension and "second-tier" therapies in traumatic brain injury. <i>Intensive Care Medicine</i> , 2008, 34, 461-467.	3.9	110
16	Early modulation of pro-inflammatory microglia by minocycline loaded nanoparticles confers long lasting protection after spinal cord injury. <i>Biomaterials</i> , 2016, 75, 13-24.	5.7	110
17	Recombinant C1 inhibitor in brain ischemic injury. <i>Annals of Neurology</i> , 2009, 66, 332-342.	2.8	107
18	Monitoring brain tissue oxygen tension in brain-injured patients reveals hypoxic episodes in normal-appearing and in peri-focal tissue. <i>Intensive Care Medicine</i> , 2007, 33, 2136-2142.	3.9	105

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19	Time Course of Intracranial Hypertension after Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2007, 24, 1339-1346.	1.7	95
20	The immunological response to traumatic brain injury. <i>Journal of Neuroimmunology</i> , 2019, 332, 112-125.	1.1	95
21	Single severe traumatic brain injury produces progressive pathology with ongoing contralateral white matter damage one year after injury. <i>Experimental Neurology</i> , 2018, 300, 167-178.	2.0	86
22	Macrophages are essential for maintaining a M2 protective response early after ischemic brain injury. <i>Neurobiology of Disease</i> , 2016, 96, 284-293.	2.1	82
23	Fractalkine Receptor Deficiency Is Associated with Early Protection but Late Worsening of Outcome following Brain Trauma in Mice. <i>Journal of Neurotrauma</i> , 2016, 33, 1060-1072.	1.7	75
24	Induction of a transmissible tau pathology by traumatic brain injury. <i>Brain</i> , 2018, 141, 2685-2699.	3.7	74
25	Impact of pyrexia on neurochemistry and cerebral oxygenation after acute brain injury. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2005, 76, 1135-1139.	0.9	66
26	Accuracy of intracranial pressure monitoring: systematic review and meta-analysis. <i>Critical Care</i> , 2015, 19, 420.	2.5	66
27	Protection of Brain Injury by Amniotic Mesenchymal Stromal Cell-Secreted Metabolites. <i>Critical Care Medicine</i> , 2016, 44, e1118-e1131.	0.4	66
28	Intranasal delivery of mesenchymal stem cell secretome repairs the brain of Alzheimer's mice. <i>Cell Death and Differentiation</i> , 2021, 28, 203-218.	5.0	63
29	Increased Hippocampal CA3 Vulnerability to Low-Level Kainic Acid following Lateral Fluid Percussion Injury. <i>Journal of Neurotrauma</i> , 2003, 20, 409-420.	1.7	62
30	Tumor Necrosis Factor in Traumatic Brain Injury: Effects of Genetic Deletion of p55 or p75 Receptor. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2013, 33, 1182-1189.	2.4	62
31	Early ficolin-1 is a sensitive prognostic marker for functional outcome in ischemic stroke. <i>Journal of Neuroinflammation</i> , 2016, 13, 16.	3.1	58
32	Burnout in Intensive Care Unit Workers during the Second Wave of the COVID-19 Pandemic: A Single Center Cross-Sectional Italian Study. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 6102.	1.2	58
33	Management of moderate to severe traumatic brain injury: an update for the intensivist. <i>Intensive Care Medicine</i> , 2022, 48, 649-666.	3.9	57
34	Changes of the GPR17 receptor, a new target for neurorepair, in neurons and glial cells in patients with traumatic brain injury. <i>Purinergic Signalling</i> , 2013, 9, 451-462.	1.1	54
35	Metabolic, Neurochemical, and Histologic Responses to Vibrissa Motor Cortex Stimulation after Traumatic Brain Injury. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2003, 23, 900-910.	2.4	50
36	Stem cell transplantation as a therapeutic strategy for traumatic brain injury. <i>Transplant Immunology</i> , 2005, 15, 143-148.	0.6	49

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37	Virtual Reality for Traumatic Brain Injury. <i>Frontiers in Neurology</i> , 2018, 9, 345.	1.1	49
38	Neurofilament light chain levels in ventricular cerebrospinal fluid after acute aneurysmal subarachnoid haemorrhage. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2011, 82, 157-159.	0.9	48
39	Glial Cells Drive Preconditioning-Induced Blood-Brain Barrier Protection. <i>Stroke</i> , 2011, 42, 1445-1453.	1.0	44
40	Immunosuppression does not affect human bone marrow mesenchymal stromal cell efficacy after transplantation in traumatized mice brain. <i>Neuropharmacology</i> , 2014, 79, 119-126.	2.0	44
41	Intracranial pressure monitoring in intensive care: clinical advantages of a computerized system over manual recording. <i>Critical Care</i> , 2007, 11, R7.	2.5	38
42	c-Jun N-Terminal Kinase Pathway Activation in Human and Experimental Cerebral Contusion. <i>Journal of Neuropathology and Experimental Neurology</i> , 2009, 68, 964-971.	0.9	38
43	Arterio-Jugular Difference of Oxygen Content and Outcome After Head Injury. <i>Anesthesia and Analgesia</i> , 2004, 99, 230-234.	1.1	37
44	Intravenous infusion of human bone marrow mesenchymal stromal cells promotes functional recovery and neuroplasticity after ischemic stroke in mice. <i>Scientific Reports</i> , 2017, 7, 6962.	1.6	36
45	Pharmacological inhibition of mannose-binding lectin ameliorates neurobehavioral dysfunction following experimental traumatic brain injury. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017, 37, 938-950.	2.4	35
46	Mesenchymal Stem Cell Therapy in Intracerebral Haemorrhagic Stroke. <i>Current Medicinal Chemistry</i> , 2018, 25, 2176-2197.	1.2	33
47	Optic Nerve Sheath Diameter is not Related to Intracranial Pressure in Subarachnoid Hemorrhage Patients. <i>Neurocritical Care</i> , 2020, 33, 491-498.	1.2	32
48	Brain Oxygen Tension, Oxygen Supply, and Oxygen Consumption During Arterial Hyperoxia in a Model of Progressive Cerebral Ischemia. <i>Journal of Neurotrauma</i> , 2001, 18, 163-174.	1.7	31
49	Rethinking Neuroprotection in Severe Traumatic Brain Injury: Toward Bedside Neuroprotection. <i>Frontiers in Neurology</i> , 2017, 8, 354.	1.1	31
50	Heart-fatty acid-binding and tau proteins relate to brain injury severity and long-term outcome in subarachnoid haemorrhage patients. <i>British Journal of Anaesthesia</i> , 2013, 111, 424-432.	1.5	29
51	Ficolin-3-mediated lectin complement pathway activation in patients with subarachnoid hemorrhage. <i>Neurology</i> , 2014, 82, 126-134.	1.5	29
52	Label-free monitoring of tissue biochemistry following traumatic brain injury using Raman spectroscopy. <i>Analyst</i> , 2017, 142, 132-139.	1.7	26
53	Efficacy of acute administration of inhaled argon on traumatic brain injury in mice. <i>British Journal of Anaesthesia</i> , 2021, 126, 256-264.	1.5	26
54	Cerebrospinal fluid pentraxin 3 early after subarachnoid hemorrhage is associated with vasospasm. <i>Intensive Care Medicine</i> , 2011, 37, 302-309.	3.9	25

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55	Human brain trauma severity is associated with lectin complement pathway activation. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2019, 39, 794-807.	2.4	24
56	Complex Autoantibody Responses Occur following Moderate to Severe Traumatic Brain Injury. <i>Journal of Immunology</i> , 2021, 207, 90-100.	0.4	24
57	Fluid Management in Acute Brain Injury. <i>Current Neurology and Neuroscience Reports</i> , 2018, 18, 74.	2.0	23
58	Biomarkers for Traumatic Brain Injury: Data Standards and Statistical Considerations. <i>Journal of Neurotrauma</i> , 2021, 38, 2514-2529.	1.7	23
59	Differential transgene expression patterns in Alzheimer mouse models revealed by novel human amyloid precursor protein-specific antibodies. <i>Aging Cell</i> , 2016, 15, 953-963.	3.0	22
60	Modelling human pathology of traumatic brain injury in animal models. <i>Journal of Internal Medicine</i> , 2019, 285, 594-607.	2.7	22
61	Neuroprotection in Traumatic Brain Injury: Mesenchymal Stromal Cells can Potentially Overcome Some Limitations of Previous Clinical Trials. <i>Frontiers in Neurology</i> , 2018, 9, 885.	1.1	20
62	In-depth characterization of a mouse model of post-traumatic epilepsy for biomarker and drug discovery. <i>Acta Neuropathologica Communications</i> , 2021, 9, 76.	2.4	20
63	Effect of traumatic brain injury on cognitive function in mice lacking p55 and p75 tumor necrosis factor receptors. <i>Acta Neurochirurgica Supplementum</i> , 2008, 102, 409-413.	0.5	20
64	Current and Emerging Technologies for Probing Molecular Signatures of Traumatic Brain Injury. <i>Frontiers in Neurology</i> , 2017, 8, 450.	1.1	18
65	Ultrasound-tagged near-infrared spectroscopy does not disclose absent cerebral circulation in brain-dead adults. <i>British Journal of Anaesthesia</i> , 2018, 121, 588-594.	1.5	18
66	Increased levels of CSF heart-type fatty acid-binding protein and tau protein after aneurysmal subarachnoid hemorrhage. <i>Acta Neurochirurgica Supplementum</i> , 2008, 102, 339-343.	0.5	18
67	Oxygen and Carbon Dioxide in the Cerebral Circulation during Progression to Brain Death. <i>Anesthesiology</i> , 2005, 103, 957-961.	1.3	17
68	Six-Month Ischemic Mice Show Sensorimotor and Cognitive Deficits Associated with Brain Atrophy and Axonal Disorganization. <i>CNS Neuroscience and Therapeutics</i> , 2013, 19, 695-704.	1.9	17
69	Brain Protection after Anoxic Brain Injury: Is Lactate Supplementation Helpful?. <i>Cells</i> , 2021, 10, 1714.	1.8	17
70	Neuroprotective effect of C1-inhibitor following traumatic brain injury in mice. <i>Acta Neurochirurgica Supplementum</i> , 2008, 102, 381-384.	0.5	17
71	Spectroscopic detection of traumatic brain injury severity and biochemistry from the retina. <i>Biomedical Optics Express</i> , 2020, 11, 6249.	1.5	16
72	The Genetics of Small-Vessel Disease. <i>Current Medicinal Chemistry</i> , 2012, 19, 4124-4141.	1.2	14

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73	Systematic review and meta-analysis of preclinical studies testing mesenchymal stromal cells for traumatic brain injury. <i>Npj Regenerative Medicine</i> , 2021, 6, 71.	2.5	14
74	My paper 20 years later: cerebral venous oxygen saturation studied with bilateral samples in the internal jugular veins. <i>Intensive Care Medicine</i> , 2015, 41, 412-417.	3.9	13
75	Placenta-Derived Cells for Acute Brain Injury. <i>Cell Transplantation</i> , 2018, 27, 151-167.	1.2	12
76	Ageing is associated with maladaptive immune response and worse outcome after traumatic brain injury. <i>Brain Communications</i> , 2022, 4, fcac036.	1.5	12
77	Head injury, subarachnoid hemorrhage and intracranial pressure monitoring in Italy. <i>Acta Neurochirurgica</i> , 2003, 145, 761-765.	0.9	11
78	Acute and Persistent Alterations of Cerebellar Inflammatory Networks and Glial Activation in a Rat Model of Pediatric Mild Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2020, 37, 1315-1330.	1.7	11
79	Intracranial pressure monitoring for traumatic brain injury: available evidence and clinical implications. <i>Minerva Anestesiologica</i> , 2008, 74, 197-203.	0.6	9
80	Cerebral Venous-Arterial pCO ₂ Difference as an Estimator of Uncompensated Cerebral Hypoperfusion. , 2002, 81, 201-204.		8
81	Prognostic Value of a Combination of Circulating Biomarkers in Critically Ill Patients with Traumatic Brain Injury: Results from the European CREATIVE Study. <i>Journal of Neurotrauma</i> , 2021, 38, 2667-2676.	1.7	7
82	Clinical Results and Outcome Improvement Over Time in Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2016, 33, 2019-2025.	1.7	5
83	Longitudinal Molecular Magnetic Resonance Imaging of Endothelial Activation after Severe Traumatic Brain Injury. <i>Journal of Clinical Medicine</i> , 2019, 8, 1134.	1.0	5
84	<i>C. elegans</i> detects toxicity of traumatic brain injury generated tau. <i>Neurobiology of Disease</i> , 2021, 153, 105330.	2.1	5
85	Cerebrospinal Fluid and Arterial Acid-Base Equilibrium of Spontaneously Breathing Patients with Aneurismal Subarachnoid Hemorrhage. <i>Neurocritical Care</i> , 2022, 37, 102-110.	1.2	5
86	Internalization of nanopolymeric tracers does not alter characteristics of placental cells. <i>Journal of Cellular and Molecular Medicine</i> , 2016, 20, 1036-1048.	1.6	4
87	Angiotensin-(1-7) as a Potential Therapeutic Strategy for Delayed Cerebral Ischemia in Subarachnoid Hemorrhage. <i>Frontiers in Immunology</i> , 2022, 13, 841692.	2.2	4
88	Mannose binding lectin as a target for cerebral ischemic injury. <i>Molecular Immunology</i> , 2011, 48, 1677.	1.0	2
89	The ratio between arterio-venous PCO ₂ difference and arterio-jugular oxygen difference as estimator of critical cerebral hypoperfusion. <i>Minerva Anestesiologica</i> , 2006, 72, 543-9.	0.6	2
90	Hypothermia for brain protection in the non-cardiac arrest patient. <i>Minerva Anestesiologica</i> , 2008, 74, 315-8.	0.6	2

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91	Comment on "Levels of vancomycin in the cerebral interstitial fluid after severe head injury" by Caricato et al.. Intensive Care Medicine, 2006, 32, 1096-1096.	3.9	0
92	Mannose-binding lectin and lectin pathway in subarachnoid hemorrhage patients. Immunobiology, 2012, 217, 1185.	0.8	0
93	Targeting MBL in cerebral ischemia induces long lasting protection with a wide therapeutic window. Immunobiology, 2012, 217, 1207.	0.8	0
94	Ficolin-3 mediated lectin complement pathway activation is related to pathology and outcome in subarachnoid haemorrhage patients. Molecular Immunology, 2013, 56, 276-277.	1.0	0
95	Development and spread of tau pathology after TBI. Journal of the Neurological Sciences, 2019, 405, 41.	0.3	0
96	Vascular Issues in Neurodegeneration and Injury. , 2009, , 33-41.		0