Elisa R Zanier

List of Publications by Year
in descending order

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	Ageing is associated with maladaptive immune response and worse outcome after traumatic brain injury. Brain Communications, 2022, 4, fcac036.	1.5	12
2	Cerebrospinal Fluid and Arterial Acidâ€"Base Equilibrium of Spontaneously Breathing Patients with Aneurismal Subarachnoid Hemorrhage. Neurocritical Care, 2022, 37, 102-110.	1.2	5
3	Angiotensin-(1â€"7) as a Potential Therapeutic Strategy for Delayed Cerebral Ischemia in Subarachnoid Hemorrhage. Frontiers in Immunology, 2022, 13, 841692.	2.2	4
4	Management of moderate to severe traumatic brain injury: an update for the intensivist. Intensive Care Medicine, 2022, 48, 649-666.	3.9	57
5	Biomarkers for Traumatic Brain Injury: Data Standards and Statistical Considerations. Journal of Neurotrauma, 2021, 38, 2514-2529.	1.7	23
6	Intranasal delivery of mesenchymal stem cell secretome repairs the brain of Alzheimerâ€™s mice. Cell Death and Differentiation, 2021, 28, 203-218.	5.0	63
7	Efficacy of acute administration of inhaled argon on traumatic brain injury in mice. British Journal of Anaesthesia, 2021, 126, 256-264.	1.5	26
8	In-depth characterization of a mouse model of post-traumatic epilepsy for biomarker and drug discovery. Acta Neuropathologica Communications, 2021, 9, 76.	2.4	20
9	Complex Autoantibody Responses Occur following Moderate to Severe Traumatic Brain Injury. Journal of Immunology, 2021, 207, 90-100.	0.4	24
10	Burnout in Intensive Care Unit Workers during the Second Wave of the COVID-19 Pandemic: A Single Center Cross-Sectional Italian Study. International Journal of Environmental Research and Public Health, 2021, 18, 6102.	1.2	58
11	C. elegans detects toxicity of traumatic brain injury generated tau. Neurobiology of Disease, 2021, 153, 105330.	2.1	5
12	Brain Protection after Anoxic Brain Injury: Is Lactate Supplementation Helpful?. Cells, 2021, 10, 1714.	1.8	17
13	Prognostic Value of a Combination of Circulating Biomarkers in Critically Ill Patients with Traumatic Brain Injury: Results from the European CREACTIVE Study. Journal of Neurotrauma, 2021, 38, 2667-2676.	1.7	7
14	Systematic review and meta-analysis of preclinical studies testing mesenchymal stromal cells for traumatic brain injury. Npj Regenerative Medicine, 2021, 6, 71.	2.5	14
15	Acute and Persistent Alterations of Cerebellar Inflammatory Networks and Glial Activation in a Rat Model of Pediatric Mild Traumatic Brain Injury. Journal of Neurotrauma, 2020, 37, 1315-1330.	1.7	11
16	Optic Nerve Sheath Diameter is not Related to Intracranial Pressure in Subarachnoid Hemorrhage Patients. Neurocritical Care, 2020, 33, 491-498.	1.2	32
17	Spectroscopic detection of traumatic brain injury severity and biochemistry from the retina. Biomedical Optics Express, 2020, 11, 6249.	1.5	16
18	Longitudinal Molecular Magnetic Resonance Imaging of Endothelial Activation after Severe Traumatic Brain Injury. Journal of Clinical Medicine, 2019, 8, 1134.	1.0	5

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19	Modelling human pathology of traumatic brain injury in animal models. Journal of Internal Medicine, 2019, 285, 594-607.	2.7	22
20	The immunological response to traumatic brain injury. Journal of Neuroimmunology, 2019, 332, 112-125.	1.1	95
21	Development and spread of tau pathology after TBI. Journal of the Neurological Sciences, 2019, 405, 41.	0.3	0
22	Human brain trauma severity is associated with lectin complement pathway activation. Journal of Cerebral Blood Flow and Metabolism, 2019, 39, 794-807.	2.4	24
23	Fluid therapy in neurointensive care patients: ESICM consensus and clinical practice recommendations. Intensive Care Medicine, 2018, 44, 449-463.	3.9	113
24	Placenta-Derived Cells for Acute Brain Injury. Cell Transplantation, 2018, 27, 151-167.	1.2	12
25	Single severe traumatic brain injury produces progressive pathology with ongoing contralateral white matter damage one year after injury. Experimental Neurology, 2018, 300, 167-178.	2.0	86
26	Neuroprotection in Traumatic Brain Injury: Mesenchymal Stromal Cells can Potentially Overcome Some Limitations of Previous Clinical Trials. Frontiers in Neurology, 2018, 9, 885.	1.1	20
27	Fluid Management in Acute Brain Injury. Current Neurology and Neuroscience Reports, 2018, 18, 74.	2.0	23
28	Mesenchymal Stem Cell Therapy in Intracerebral Haemorrhagic Stroke. Current Medicinal Chemistry, 2018, 25, 2176-2197.	1.2	33
29	Ultrasound-tagged near-infrared spectroscopy does not disclose absent cerebral circulation in brain-dead adults. British Journal of Anaesthesia, 2018, 121, 588-594.	1.5	18
30	Induction of a transmissible tau pathology by traumatic brain injury. Brain, 2018, 141, 2685-2699.	3.7	74
31	Virtual Reality for Traumatic Brain Injury. Frontiers in Neurology, 2018, 9, 345.	1.1	49
32	Pharmacological inhibition of mannose-binding lectin ameliorates neurobehavioral dysfunction following experimental traumatic brain injury. Journal of Cerebral Blood Flow and Metabolism, 2017, 37, 938-950.	2.4	35
33	Label-free monitoring of tissue biochemistry following traumatic brain injury using Raman spectroscopy. Analyst, The, 2017, 142, 132-139.	1.7	26
34	Intravenous infusion of human bone marrow mesenchymal stromal cells promotes functional recovery and neuroplasticity after ischemic stroke in mice. Scientific Reports, 2017, 7, 6962.	1.6	36
35	Rethinking Neuroprotection in Severe Traumatic Brain Injury: Toward Bedside Neuroprotection. Frontiers in Neurology, 2017, 8, 354.	1.1	31
36	Current and Emerging Technologies for Probing Molecular Signatures of Traumatic Brain Injury. Frontiers in Neurology, 2017, 8, 450.	1.1	18

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37	Protection of Brain Injury by Amniotic Mesenchymal Stromal Cell-Secreted Metabolites. Critical Care Medicine, 2016, 44, e1118-e1131.	0.4	66
38	Macrophages are essential for maintaining a M2 protective response early after ischemic brain injury. Neurobiology of Disease, 2016, 96, 284-293.	2.1	82
39	Differential transgene expression patterns in Alzheimer mouse models revealed by novel human amyloid precursor proteinâ€specific antibodies. Aging Cell, 2016, 15, 953-963.	3.0	22
40	Chronic impact of traumatic brain injury on outcome and quality of life: a narrative review. Critical Care, 2016, 20, 148.	2.5	276
41	Early ficolin-1 is a sensitive prognostic marker for functional outcome in ischemic stroke. Journal of Neuroinflammation, 2016, 13, 16.	3.1	58
42	Fractalkine Receptor Deficiency Is Associated with Early Protection but Late Worsening of Outcome following Brain Trauma in Mice. Journal of Neurotrauma, 2016, 33, 1060-1072.	1.7	75
43	Clinical Results and Outcome Improvement Over Time in Traumatic Brain Injury. Journal of Neurotrauma, 2016, 33, 2019-2025.	1.7	5
44	Internalization of nanopolymeric tracers does not alter characteristics of placental cells. Journal of Cellular and Molecular Medicine, 2016, 20, 1036-1048.	1.6	4
45	Early modulation of pro-inflammatory microglia by minocycline loaded nanoparticles confers long lasting protection after spinal cord injury. Biomaterials, 2016, 75, 13-24.	5.7	110
46	Accuracy of intracranial pressure monitoring: systematic review and meta-analysis. Critical Care, 2015, 19, 420.	2.5	66
47	The Ischemic Environment Drives Microglia and Macrophage Function. Frontiers in Neurology, 2015, 6, 81.	1.1	217
48	My paper 20Âyears later: cerebral venous oxygen saturation studied with bilateral samples in the internal jugular veins. Intensive Care Medicine, 2015, 41, 412-417.	3.9	13
49	Shape descriptors of the â€œnever restingâ€• microglia in three different acute brain injury models in mice. Intensive Care Medicine Experimental, 2015, 3, 39.	0.9	117
50	Results of a preclinical randomized controlled multicenter trial (pRCT): Anti-CD49d treatment for acute brain ischemia. Science Translational Medicine, 2015, 7, 299ra121.	5.8	207
51	Neuroprotection in acute brain injury: an up-to-date review. Critical Care, 2015, 19, 186.	2.5	120
52	Intracranial Pressure After Subarachnoid Hemorrhage*. Critical Care Medicine, 2015, 43, 168-176.	0.4	117
53	Ficolin-3â€“mediated lectin complement pathway activation in patients with subarachnoid hemorrhage. Neurology, 2014, 82, 126-134.	1.5	29
54	Bone Marrow Mesenchymal Stromal Cells Drive Protective M2 Microglia Polarization After Brain Trauma. Neurotherapeutics, 2014, 11, 679-695.	2.1	140

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55	Immunosuppression does not affect human bone marrow mesenchymal stromal cell efficacy after transplantation in traumatized mice brain. Neuropharmacology, 2014, 79, 119-126.	2.0	44
56	Versatility of the complement system in neuroinflammation, neurodegeneration and brain homeostasis. Frontiers in Cellular Neuroscience, 2014, 8, 380.	1.8	171
57	Sixâ€Month Ischemic Mice Show Sensorimotor and Cognitive Deficits Associated with Brain Atrophy and Axonal Disorganization. CNS Neuroscience and Therapeutics, 2013, 19, 695-704.	1.9	17
58	Changes of the GPR17 receptor, a new target for neurorepair, in neurons and glial cells in patients with traumatic brain injury. Purinergic Signalling, 2013, 9, 451-462.	1.1	54
59	Heart-fatty acid-binding and tau proteins relate to brain injury severity and long-term outcome in subarachnoid haemorrhage patients. British Journal of Anaesthesia, 2013, 111, 424-432.	1.5	29
60	Tumor Necrosis Factor in Traumatic Brain Injury: Effects of Genetic Deletion of p55 or p75 Receptor. Journal of Cerebral Blood Flow and Metabolism, 2013, 33, 1182-1189.	2.4	62
61	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
62	The Genetics of Small-Vessel Disease. Current Medicinal Chemistry, 2012, 19, 4124-4141.	1.2	14
63	Targeting Mannose-Binding Lectin Confers Long-Lasting Protection With a Surprisingly Wide Therapeutic Window in Cerebral Ischemia. Circulation, 2012, 126, 1484-1494.	1.6	119
64	Mannose-binding lectin and lectin pathway in subarachnoid hemorrhage patients. Immunobiology, 2012, 217, 1185.	0.8	0
65	Targeting MBL in cerebral ischemia induces long lasting protection with a wide therapeutic window. Immunobiology, 2012, 217, 1207.	0.8	0
66	Human umbilical cord blood mesenchymal stem cells protect mice brain after trauma*. Critical Care Medicine, 2011, 39, 2501-2510.	0.4	130
67	Mannose binding lectin as a target for cerebral ischemic injury. Molecular Immunology, 2011, 48, 1677.	1.0	2
68	Cerebrospinal fluid pentraxin 3 early after subarachnoid hemorrhage is associated with vasospasm. Intensive Care Medicine, 2011, 37, 302-309.	3.9	25
69	Glial Cells Drive Preconditioning-Induced Blood-Brain Barrier Protection. Stroke, 2011, 42, 1445-1453.	1.0	44
70	Neurofilament light chain levels in ventricular cerebrospinal fluid after acute aneurysmal subarachnoid haemorrhage. Journal of Neurology, Neurosurgery and Psychiatry, 2011, 82, 157-159.	0.9	48
71	C1-inhibitor attenuates neurobehavioral deficits and reduces contusion volume after controlled cortical impact brain injury in mice*. Critical Care Medicine, 2009, 37, 659-665.	0.4	116
72	Recombinant C1 inhibitor in brain ischemic injury. Annals of Neurology, 2009, 66, 332-342.	2.8	107

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73	c-Jun N-Terminal Kinase Pathway Activation in Human and Experimental Cerebral Contusion. Journal of Neuropathology and Experimental Neurology, 2009, 68, 964-971.	0.9	38
74	Vascular Issues in Neurodegeneration and Injury. , 2009, , 33-41.		0
75	Refractory intracranial hypertension and â€œsecond-tierâ€•therapies in traumatic brain injury. Intensive Care Medicine, 2008, 34, 461-467.	3.9	110
76	Increased levels of CSF heart-type fatty acid-binding protein and tau protein after aneurysmal subarachnoid hemorrhage. Acta Neurochirurgica Supplementum, 2008, 102, 339-343.	0.5	18
77	Neuroprotective effect of C1-inhibitor following traumatic brain injury in mice. Acta Neurochirurgica Supplementum, 2008, 102, 381-384.	0.5	17
78	Effect of traumatic brain injury on cognitive function in mice lacking p55 and p75 tumor necrosis factor receptors. Acta Neurochirurgica Supplementum, 2008, 102, 409-413.	0.5	20
79	Intracranial pressure monitoring for traumatic brain injury: available evidence and clinical implications. Minerva Anestesiologica, 2008, 74, 197-203.	0.6	9
80	Hypothermia for brain protection in the non-cardiac arrest patient. Minerva Anestesiologica, 2008, 74, 315-8.	0.6	2
81	Time Course of Intracranial Hypertension after Traumatic Brain Injury. Journal of Neurotrauma, 2007, 24, 1339-1346.	1.7	95
82	Intracranial pressure monitoring in intensive care: clinical advantages of a computerized system over manual recording. Critical Care, 2007, 11, R7.	2.5	38
83	Monitoring brain tissue oxygen tension in brain-injured patients reveals hypoxic episodes in normal-appearing and in peri-focal tissue. Intensive Care Medicine, 2007, 33, 2136-2142.	3.9	105
84	Comment on â€œLevels of vancomycin in the cerebral interstitial fluid after severe head injuryâ€•by Caricato et al.. Intensive Care Medicine, 2006, 32, 1096-1096.	3.9	0
85	The ratio between arterio-venous PCO2 difference and arterio-jugular oxygen difference as estimator of critical cerebral hypoperfusion. Minerva Anestesiologica, 2006, 72, 543-9.	0.6	2
86	Oxygen and Carbon Dioxide in the Cerebral Circulation during Progression to Brain Death. Anesthesiology, 2005, 103, 957-961.	1.3	17
87	Impact of pyrexia on neurochemistry and cerebral oxygenation after acute brain injury. Journal of Neurology, Neurosurgery and Psychiatry, 2005, 76, 1135-1139.	0.9	66
88	Stem cell transplantation as a therapeutic strategy for traumatic brain injury. Transplant Immunology, 2005, 15, 143-148.	0.6	49
89	Arterio-Jugular Difference of Oxygen Content and Outcome After Head Injury. Anesthesia and Analgesia, 2004, 99, 230-234.	1.1	37
90	Head injury, subarachnoid hemorrhage and intracranial pressure monitoring in Italy. Acta Neurochirurgica, 2003, 145, 761-765.	0.9	11

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91	Metabolic, Neurochemical, and Histologic Responses to Vibrissa Motor Cortex Stimulation after Traumatic Brain Injury. Journal of Cerebral Blood Flow and Metabolism, 2003, 23, 900-910.	2.4	50
92	Increased Hippocampal CA3 Vulnerability to Low-Level Kainic Acid following Lateral Fluid Percussion Injury. Journal of Neurotrauma, 2003, 20, 409-420.	1.7	62
93	Pyrexia in head-injured patients admitted to intensive care. Intensive Care Medicine, 2002, 28, 1555-1562.	3.9	159
94	Cerebral Veno-Arterial pCO2 Difference as an Estimator of Uncompensated Cerebral Hypoperfusion. , 2002, 81, 201-204.		8
95	Brain Oxygen Tension, Oxygen Supply, and Oxygen Consumption During Arterial Hyperoxia in a Model of Progressive Cerebral Ischemia. Journal of Neurotrauma, 2001, 18, 163-174.	1.7	31
96	Brain temperature, body core temperature, and intracranial pressure in acute cerebral damage. Journal of Neurology, Neurosurgery and Psychiatry, 2001, 71, 448-454.	0.9	252