

Adel Helmy

List of Publications by Year in descending order

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Version: 2024-02-01

94
papers

4,581
citations

101543

36
h-index

106344

65
g-index

94
all docs

94
docs citations

94
times ranked

5312
citing authors

#	ARTICLE	IF	CITATIONS
1	The Cytokine Response to Human Traumatic Brain Injury: Temporal Profiles and Evidence for Cerebral Parenchymal Production. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2011, 31, 658-670.	4.3	292
2	Consensus statement from the 2014 International Microdialysis Forum. <i>Intensive Care Medicine</i> , 2015, 41, 1517-1528.	8.2	263
3	The pathophysiology and treatment of delayed cerebral ischaemia following subarachnoid haemorrhage. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2014, 85, 1343-1353.	1.9	206
4	Impairment of Cerebral Autoregulation Predicts Delayed Cerebral Ischemia After Subarachnoid Hemorrhage. <i>Stroke</i> , 2012, 43, 3230-3237.	2.0	202
5	Recent advances in traumatic brain injury. <i>Journal of Neurology</i> , 2019, 266, 2878-2889.	3.6	196
6	Serial Sampling of Serum Protein Biomarkers for Monitoring Human Traumatic Brain Injury Dynamics: A Systematic Review. <i>Frontiers in Neurology</i> , 2017, 8, 300.	2.4	185
7	Cytokines and innate inflammation in the pathogenesis of human traumatic brain injury. <i>Progress in Neurobiology</i> , 2011, 95, 352-372.	5.7	175
8	Gut-educated IgA plasma cells defend the meningeal venous sinuses. <i>Nature</i> , 2020, 587, 472-476.	27.8	167
9	Traumatic brain injury: intensive care management. <i>British Journal of Anaesthesia</i> , 2007, 99, 32-42.	3.4	157
10	Noninvasive Monitoring of Cerebrovascular Reactivity with Near Infrared Spectroscopy in Head-Injured Patients. <i>Journal of Neurotrauma</i> , 2010, 27, 1951-1958.	3.4	142
11	Regional Scalp Block for Postcraniotomy Analgesia. <i>Anesthesia and Analgesia</i> , 2013, 116, 1093-1102.	2.2	142
12	Recombinant Human Interleukin-1 Receptor Antagonist in Severe Traumatic Brain Injury: A Phase II Randomized Control Trial. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2014, 34, 845-851.	4.3	139
13	Cellular infiltration in traumatic brain injury. <i>Journal of Neuroinflammation</i> , 2020, 17, 328.	7.2	119
14	Microdialysis of Cytokines: Methodological Considerations, Scanning Electron Microscopy, and Determination of Relative Recovery. <i>Journal of Neurotrauma</i> , 2009, 26, 549-561.	3.4	110
15	The immunological response to traumatic brain injury. <i>Journal of Neuroimmunology</i> , 2019, 332, 112-125.	2.3	95
16	Traumatic brain injury in England and Wales: prospective audit of epidemiology, complications and standardised mortality. <i>BMJ Open</i> , 2016, 6, e012197.	1.9	92
17	Composite Outcomes in Cardiovascular Research: A Survey of Randomized Trials. <i>Annals of Internal Medicine</i> , 2008, 149, 612.	3.9	88
18	Principal Component Analysis of the Cytokine and Chemokine Response to Human Traumatic Brain Injury. <i>PLoS ONE</i> , 2012, 7, e39677.	2.5	86

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19	Monitoring the Neuroinflammatory Response Following Acute Brain Injury. <i>Frontiers in Neurology</i> , 2017, 8, 351.	2.4	85
20	Glycolysis and the Pentose Phosphate Pathway after Human Traumatic Brain Injury: Microdialysis Studies Using 1,2- ¹³ C ₂ Glucose. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2015, 35, 111-120.	4.3	82
21	Glucose metabolism following human traumatic brain injury: methods of assessment and pathophysiological findings. <i>Metabolic Brain Disease</i> , 2015, 30, 615-632.	2.9	76
22	Recombinant human interleukin-1 receptor antagonist promotes M1 microglia biased cytokines and chemokines following human traumatic brain injury. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2016, 36, 1434-1448.	4.3	70
23	Cerebral microdialysis in clinical studies of drugs: pharmacokinetic applications. <i>Journal of Pharmacokinetics and Pharmacodynamics</i> , 2013, 40, 343-358.	1.8	66
24	Traumatic brain injury in adults. <i>Practical Neurology</i> , 2013, 13, 228-235.	1.1	65
25	Lactate Uptake by the Injured Human Brain: Evidence from an Arteriovenous Gradient and Cerebral Microdialysis Study. <i>Journal of Neurotrauma</i> , 2013, 30, 2031-2037.	3.4	59
26	Temporal profile of intracranial pressure and cerebrovascular reactivity in severe traumatic brain injury and association with fatal outcome: An observational study. <i>PLoS Medicine</i> , 2017, 14, e1002353.	8.4	59
27	Matrix Metalloproteinase Expression in Contusional Traumatic Brain Injury: A Paired Microdialysis Study. <i>Journal of Neurotrauma</i> , 2015, 32, 1553-1559.	3.4	56
28	¹³ C-labelled microdialysis studies of cerebral metabolism in TBI patients. <i>European Journal of Pharmaceutical Sciences</i> , 2014, 57, 87-97.	4.0	54
29	Focally perfused succinate potentiates brain metabolism in head injury patients. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017, 37, 2626-2638.	4.3	54
30	A systematic review of cerebral microdialysis and outcomes in TBI: relationships to patient functional outcome, neurophysiologic measures, and tissue outcome. <i>Acta Neurochirurgica</i> , 2017, 159, 2245-2273.	1.7	53
31	Cerebrospinal Fluid and Microdialysis Cytokines in Severe Traumatic Brain Injury: A Scoping Systematic Review. <i>Frontiers in Neurology</i> , 2017, 8, 331.	2.4	51
32	Microdialysis in the Human Brain and its Potential Role in the Development and Clinical Assessment of Drugs. <i>Current Medicinal Chemistry</i> , 2007, 14, 1525-1537.	2.4	49
33	Primum non nocere: a call for balance when reporting on CTE. <i>Lancet Neurology</i> , The, 2019, 18, 231-233.	10.2	48
34	Potential human transmission of amyloid β^2 pathology: surveillance and risks. <i>Lancet Neurology</i> , The, 2020, 19, 872-878.	10.2	46
35	Systemic, Local, and Imaging Biomarkers of Brain Injury: More Needed, and Better Use of Those Already Established?. <i>Frontiers in Neurology</i> , 2015, 6, 26.	2.4	45
36	The effect of succinate on brain NADH/NAD ⁺ redox state and high energy phosphate metabolism in acute traumatic brain injury. <i>Scientific Reports</i> , 2018, 8, 11140.	3.3	43

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37	ASSESSMENT OF ZERO DRIFT IN THE CODMAN INTRACRANIAL PRESSURE MONITOR. <i>Neurosurgery</i> , 2009, 64, 94-99.	1.1	42
38	Elucidating Pro-Inflammatory Cytokine Responses after Traumatic Brain Injury in a Human Stem Cell Model. <i>Journal of Neurotrauma</i> , 2018, 35, 341-352.	3.4	37
39	Proposal for establishment of the UK Cranial Reconstruction Registry (UKCRR). <i>British Journal of Neurosurgery</i> , 2014, 28, 310-314.	0.8	35
40	How to Translate Time: The Temporal Aspects of Rodent and Human Pathobiological Processes in Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2019, 36, 1724-1737.	3.4	34
41	Microdialysis Monitoring in Clinical Traumatic Brain Injury and Its Role in Neuroprotective Drug Development. <i>AAPS Journal</i> , 2017, 19, 367-376.	4.4	32
42	Spectrum of outcomes following traumatic brain injuryâ€™ relationship between functional impairment and health-related quality of life. <i>Acta Neurochirurgica</i> , 2018, 160, 107-115.	1.7	30
43	A case series of early and late cranioplastyâ€™ comparison of surgical outcomes. <i>Acta Neurochirurgica</i> , 2019, 161, 467-472.	1.7	28
44	Cerebrospinal Fluid and Microdialysis Cytokines in Aneurysmal Subarachnoid Hemorrhage: A Scoping Systematic Review. <i>Frontiers in Neurology</i> , 2017, 8, 379.	2.4	27
45	A Comparison of Oxidative Lactate Metabolism in Traumatically Injured Brain and Control Brain. <i>Journal of Neurotrauma</i> , 2018, 35, 2025-2035.	3.4	25
46	Metabolism and inflammation: implications for traumatic brain injury therapeutics. <i>Expert Review of Neurotherapeutics</i> , 2019, 19, 227-242.	2.8	25
47	Complex Autoantibody Responses Occur following Moderate to Severe Traumatic Brain Injury. <i>Journal of Immunology</i> , 2021, 207, 90-100.	0.8	24
48	The endoscope-assisted supraorbital â€™keyholeâ€™ approach for anterior skull base meningiomas: an updated meta-analysis. <i>Acta Neurochirurgica</i> , 2021, 163, 661-676.	1.7	23
49	Characterising the dynamics of cerebral metabolic dysfunction following traumatic brain injury: A microdialysis study in 619 patients. <i>PLoS ONE</i> , 2021, 16, e0260291.	2.5	23
50	Management of Acute Diverticulitis in the East Anglian Region: Results of a United Kingdom Regional Survey. <i>Diseases of the Colon and Rectum</i> , 2006, 49, 1332-1340.	1.3	19
51	Hierarchical log linear analysis of admission blood parameters and clinical outcome following traumatic brain injury. <i>Acta Neurochirurgica</i> , 2010, 152, 953-957.	1.7	18
52	Phosphorus spectroscopy in acute TBI demonstrates metabolic changes that relate to outcome in the presence of normal structural MRI. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020, 40, 67-84.	4.3	18
53	The Conditional Probability of Vestibular Schwannoma Growth at Different Time Points After Initial Stability on an Observational Protocol. <i>Otology and Neurotology</i> , 2020, 41, 250-257.	1.3	17
54	Focally administered succinate improves cerebral metabolism in traumatic brain injury patients with mitochondrial dysfunction. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2022, 42, 39-55.	4.3	17

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55	Delineating Astrocytic Cytokine Responses in a Human Stem Cell Model of Neural Trauma. <i>Journal of Neurotrauma</i> , 2020, 37, 93-105.	3.4	16
56	Systemic inflammation alters the neuroinflammatory response: a prospective clinical trial in traumatic brain injury. <i>Journal of Neuroinflammation</i> , 2021, 18, 221.	7.2	16
57	Effect of serotonin depletion on the neuronal, endocrine and behavioural responses to corticotropin-releasing factor in the rat. <i>Neuroscience Letters</i> , 2003, 338, 139-142.	2.1	15
58	Prehospital Intubation and Outcome in Traumatic Brain Injury—Assessing Intervention Efficacy in a Modern Trauma Cohort. <i>Frontiers in Neurology</i> , 2018, 9, 194.	2.4	15
59	Pharmacologic Management of Subarachnoid Hemorrhage. <i>World Neurosurgery</i> , 2015, 84, 28-35.	1.3	14
60	Indocyanine green fluorescence video angiography reduces vascular injury—related morbidity during micro-neurosurgical clipping of ruptured cerebral aneurysms: a retrospective observational study. <i>Acta Neurochirurgica</i> , 2019, 161, 2397-2401.	1.7	13
61	Cerebral tuberculoma and magnetic resonance imaging. <i>Journal of the Royal Society of Medicine</i> , 2011, 104, 299-301.	2.0	11
62	Fixed, Dilated Pupils Following Traumatic Brain Injury: Historical Perspectives, Causes and Ophthalmological Sequelae. <i>Acta Neurochirurgica Supplementum</i> , 2012, 114, 295-299.	1.0	9
63	Concussion and sport. <i>BMJ, The</i> , 2013, 347, f5748-f5748.	6.0	9
64	Spinal intradural haemorrhage in a patient with Wegener's Granulomatosis. <i>Clinical Neurology and Neurosurgery</i> , 2010, 112, 341-343.	1.4	8
65	Dextran 500 Improves Recovery of Inflammatory Markers: An <i>In Vitro</i> Microdialysis Study. <i>Journal of Neurotrauma</i> , 2020, 37, 106-114.	3.4	8
66	Human stem cell-derived astrocytes exhibit region-specific heterogeneity in their secretory profiles. <i>Brain</i> , 2020, 143, e85-e85.	7.6	7
67	Foix-Chavany-Marie syndrome secondary to bilateral traumatic operculum injury. <i>Acta Neurochirurgica</i> , 2018, 160, 2303-2305.	1.7	5
68	Glucose Dynamics of Cortical Spreading Depolarization in Acute Brain Injury: A Systematic Review. <i>Journal of Neurotrauma</i> , 2019, 36, 2153-2166.	3.4	5
69	Against the odds: Long-term outcome of drastic-risk cardiac surgery. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2006, 132, 1226-1228.	0.8	4
70	Spontaneous cervical cord haemorrhage: an unusual presentation. <i>Emergency Medicine Journal</i> , 2007, 24, e16-e16.	1.0	4
71	Response to Letter Lactate Uptake Against a Concentration Gradient: Misinterpretation of Analytical Imprecision. <i>Journal of Neurotrauma</i> , 2014, 31, 1529-1530.	3.4	4
72	Letter to the Editor. Establishing the role of prophylactic antiepileptic drugs in glioma and meningioma surgery. <i>Journal of Neurosurgery</i> , 2019, 131, 985-987.	1.6	4

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73	What constitutes clinical equipoise?. <i>British Journal of Neurosurgery</i> , 2009, 23, 564-565.	0.8	3
74	The utility of randomised control trials in neurosurgery. A response to "Equipoise and randomisation in surgery". <i>British Journal of Neurosurgery</i> , 2010, 24, 98-99.	0.8	3
75	Is cerebral microdialysis a clinical tool?. <i>Acta Neurochirurgica</i> , 2013, 155, 355-356.	1.7	3
76	Single procedure revision cranioplasty with intra-operative autoclave following titanium plate exposure. <i>British Journal of Neurosurgery</i> , 2020, 34, 329-332.	0.8	3
77	Pituitary Dysfunction After Aneurysmal Subarachnoid Hemorrhage. <i>Journal of Neurosurgical Anesthesiology</i> , 2020, Publish Ahead of Print, 44-50.	1.2	3
78	What is the purpose of statistical modelling in traumatic brain injury?. <i>Acta Neurochirurgica</i> , 2010, 152, 2007-2008.	1.7	2
79	Sex and the Cytokines: Are There Fundamental Differences in Response to Brain Injury?. <i>Neurosurgery</i> , 2011, 69, E1029-E1030.	1.1	2
80	What will the "creatinine kinase" be in 2016?. <i>European Journal of Cardio-thoracic Surgery</i> , 2007, 31, 333-333.	1.4	1
81	189 Utility of Monitoring Cerebral Autoregulation After Subarachnoid Hemorrhage. Results From a Prospective Observational Study. <i>Neurosurgery</i> , 2013, 60, 182-183.	1.1	1
82	Comment on: "Pitfalls in microdialysis methodology: an in vitro analysis of temperature, pressure and catheter use". <i>Physiological Measurement</i> , 2015, 36, 621-622.	2.1	1
83	RTID-10. SURGEONS TRIAL OF PROPHYLAXIS FOR EPILEPSY IN SEIZURE NAÏVE PATIENTS WITH MENINGIOMA: A RANDOMIZED CONTROLLED TRIAL (STOP "EM). <i>Neuro-Oncology</i> , 2020, 22, ii195-ii195.	1.2	1
84	Multimodality monitoring in head injury. , 0, , 103-113.		0
85	Intracranial Pressure Monitoring Using the Codman MicroSensor. <i>Neurosurgery</i> , 2010, 67, E221.	1.1	0
86	New perspectives in the 14th International Conference on Intracranial Pressure and Brain Monitoring. <i>Future Neurology</i> , 2011, 6, 13-15.	0.5	0
87	190 Time Course and Physiological Determinants of Cerebral Lactate/pyruvate Ratio Following Traumatic Brain Injury. <i>Neurosurgery</i> , 2017, 64, 250-251.	1.1	0
88	The relationship between neurosurgical instruments and disease transmission: Society of British Neurological Surgeons perspective. <i>Acta Neuropathologica</i> , 2018, 135, 969-971.	7.7	0
89	Editorial: Monitoring Pathophysiology in the Injured Brain. <i>Frontiers in Neurology</i> , 2018, 9, 193.	2.4	0
90	P42 Predicting bleeding risk during meningioma surgery. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2019, 90, e35.3-e35.	1.9	0

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91	The patient's perspective: follow-up Foix-Chavany-Marie syndrome secondary to bilateral traumatic operculum injury. <i>Acta Neurochirurgica</i> , 2019, 161, 465-466.	1.7	0
92	TP1-4...In vitro induced cytokine response of astrocytes modelling conditions in human traumatic brain injury. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2019, 90, e11.1-e11.	1.9	0
93	Surgical management of head injury. , 2019, , 509-520.		0
94	Multimodality Monitoring in Severe Traumatic Brain Injury. , 2019, , 193-208.		0