

Zsolt E ZÃ¡dor

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

2,131
citations

361413

20
h-index

233421

45
g-index

54
all docs

54
docs citations

54
times ranked

2473
citing authors

#	ARTICLE	IF	CITATIONS
1	Increased seizure duration and slowed potassium kinetics in mice lacking aquaporin-4 water channels. <i>Glia</i> , 2006, 53, 631-636.	4.9	314
2	Role of Aquaporin-4 in Cerebral Edema and Stroke. <i>Handbook of Experimental Pharmacology</i> , 2009, , 159-170.	1.8	263
3	BYPASS SURGERY FOR COMPLEX BRAIN ANEURYSMS. <i>Neurosurgery</i> , 2009, 65, 670-683.	1.1	233
4	Glial Cell Aquaporin-4 Overexpression in Transgenic Mice Accelerates Cytotoxic Brain Swelling. <i>Journal of Biological Chemistry</i> , 2008, 283, 15280-15286.	3.4	177
5	Aquaporins: role in cerebral edema and brain water balance. <i>Progress in Brain Research</i> , 2007, 161, 185-194.	1.4	93
6	Impaired olfaction in mice lacking aquaporin-4 water channels. <i>FASEB Journal</i> , 2008, 22, 3216-3223.	0.5	93
7	Bypass Surgery for the Treatment of Dolichoectatic Basilar Trunk Aneurysms. <i>Neurosurgery</i> , 2016, 79, 83-99.	1.1	82
8	Distal Aneurysms of Intracranial Arteries: Application of Numerical Nomenclature, Predilection for Cerebellar Arteries, and Results of Surgical Management. <i>World Neurosurgery</i> , 2013, 80, 103-112.	1.3	81
9	Novel variants in human Aquaporin-4 reduce cellular water permeability. <i>Human Molecular Genetics</i> , 2008, 17, 2379-2389.	2.9	72
10	Mildly Reduced Brain Swelling and Improved Neurological Outcome in Aquaporin-4 Knockout Mice following Controlled Cortical Impact Brain Injury. <i>Journal of Neurotrauma</i> , 2015, 32, 1458-1464.	3.4	67
11	Rotational Vertebral Artery Occlusion—Series of 9 Cases. <i>Neurosurgery</i> , 2010, 67, 1066-1072.	1.1	57
12	Deep Bypasses to the Distal Posterior Circulation. <i>Neurosurgery</i> , 2010, 66, 92-101.	1.1	55
13	Aquaporin-4 Reduces Post-Traumatic Seizure Susceptibility by Promoting Astrocytic Glial Scar Formation in Mice. <i>Journal of Neurotrauma</i> , 2021, 38, 1193-1201.	3.4	55
14	Microfiber optic fluorescence photobleaching reveals size-dependent macromolecule diffusion in extracellular space deep in brain. <i>FASEB Journal</i> , 2008, 22, 870-879.	0.5	50
15	THE NEW LICOX COMBINED BRAIN TISSUE OXYGEN AND BRAIN TEMPERATURE MONITOR. <i>Neurosurgery</i> , 2008, 63, 1159-1165.	1.1	50
16	Multimorbidity states associated with higher mortality rates in organ dysfunction and sepsis: a data-driven analysis in critical care. <i>Critical Care</i> , 2019, 23, 247.	5.8	43
17	Non-competitive NMDA receptor antagonists moderate seizure-induced c-fos expression in the rat cerebral cortex. <i>Brain Research Bulletin</i> , 2003, 59, 485-493.	3.0	35
18	Predictors of Outcome in Traumatic Brain Injury: New Insight Using Receiver Operating Curve Indices and Bayesian Network Analysis. <i>PLoS ONE</i> , 2016, 11, e0158762.	2.5	35

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19	Chiari malformation type I: related conditions. <i>Neurological Research</i> , 2011, 33, 278-284.	1.3	26
20	Endoscopic transnasal approach to the pituitary – Operative technique and nuances. <i>British Journal of Neurosurgery</i> , 2013, 27, 718-726.	0.8	22
21	New drug candidates for treatment of atypical meningiomas: An integrated approach using gene expression signatures for drug repurposing. <i>PLoS ONE</i> , 2018, 13, e0194701.	2.5	18
22	Aquaporin-4 regulates the velocity and frequency of cortical spreading depression in mice. <i>Glia</i> , 2015, 63, 1860-1869.	4.9	17
23	Random-Walk Model of Diffusion in Three Dimensions in Brain Extracellular Space: Comparison with Microfiberoptic Photobleaching Measurements. <i>Biophysical Journal</i> , 2008, 95, 1785-1794.	0.5	15
24	Quantifying surgical access in eyebrow craniotomy with and without orbital bar removal: cadaver and surgical phantom studies. <i>Acta Neurochirurgica</i> , 2014, 156, 697-702.	1.7	15
25	Using artificial neural networks to identify patients with concussion and postconcussion syndrome based on antisaccades. <i>Journal of Neurosurgery</i> , 2019, 131, 1235-1242.	1.6	14
26	Use of intraoperative Doppler ultrasound with neuronavigation to guide arteriovenous malformation resection: a pediatric case series. <i>Journal of Neurosurgery: Pediatrics</i> , 2015, 15, 291-300.	1.3	13
27	Combined Minimally Invasive Supraciliary and Transfacial Approach for Large Tumors with Skull Base and Sinonasal Involvement. <i>World Neurosurgery</i> , 2018, 109, 1-9.	1.3	13
28	Multivariable and Bayesian Network Analysis of Outcome Predictors in Acute Aneurysmal Subarachnoid Hemorrhage: Review of a Pure Surgical Series in the Post-International Subarachnoid Aneurysm Trial Era. <i>Operative Neurosurgery</i> , 2018, 14, 603-610.	0.8	11
29	Data Driven Analysis Reveals Shared Transcriptome Response, Immune Cell Composition, and Distinct Mortality Rates Across Differing Etiologies of Critical Illness. <i>Critical Care Medicine</i> , 2020, 48, 338-343.	0.9	11
30	Landscape of immune cell gene expression is unique in predominantly WHO grade 1 skull base meningiomas when compared to convexity. <i>Scientific Reports</i> , 2020, 10, 9065.	3.3	10
31	Neocortical c-fos mRNA transcription in repeated, brief, acute seizures: is c-fos a coincidence detector?. <i>International Journal of Molecular Medicine</i> , 2005, 15, 481-6.	4.0	10
32	Comparative analysis of endoscopic third ventriculostomy trajectories in pediatric cases. <i>Journal of Neurosurgery: Pediatrics</i> , 2015, 16, 626-632.	1.3	9
33	Alterations of seizure-induced c-fos immunolabelling and gene expression in the rat cerebral cortex following dexamethasone treatment. <i>Acta Histochemica</i> , 2006, 108, 463-473.	1.8	8
34	Eyebrow craniotomy for anterior skull base lesions: how I do it. <i>Acta Neurochirurgica</i> , 2013, 155, 99-106.	1.7	8
35	Operative planning aid for optimal endoscopic third ventriculostomy entry points in pediatric cases. <i>Child's Nervous System</i> , 2017, 33, 269-273.	1.1	8
36	Earlier Surgery Reduces Complications in Acute Traumatic Thoracolumbar Spinal Cord Injury: Analysis of a Multi-Center Cohort of 4108 Patients. <i>Journal of Neurotrauma</i> , 2021, , .	3.4	8

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37	Comparative Analysis of Transpetrosal Approaches to the Internal Acoustic Meatus Using Three-Dimensional Radio-Anatomical Models. <i>Journal of Neurological Surgery, Part B: Skull Base</i> , 2015, 76, 310-315.	0.8	6
38	Microenvironment of ruptured cerebral aneurysms discovered using data driven analysis of gene expression. <i>PLoS ONE</i> , 2019, 14, e0220121.	2.5	5
39	Reclassification of breast cancer: Towards improved diagnosis and outcome. <i>PLoS ONE</i> , 2019, 14, e0217036.	2.5	4
40	Gene Expression Signatures Identify Biologically Homogenous Subgroups of Grade 2 Meningiomas. <i>Frontiers in Oncology</i> , 2020, 10, 541928.	2.8	4
41	Neocortical c-fos mRNA transcription in repeated, brief, acute seizures: Is c-fos a coincidence detector?. <i>International Journal of Molecular Medicine</i> , 2005, 15, 481.	4.0	3
42	Inflammatory Biomarkers and Intracranial Hemorrhage after Endovascular Thrombectomy. <i>Canadian Journal of Neurological Sciences</i> , 2021, , 1-7.	0.5	2
43	Integrated computational analyses reveal novel insights into the stromal microenvironment of SHH-subtype medulloblastoma. <i>Scientific Reports</i> , 2021, 11, 20694.	3.3	2
44	Current Strategies for Complex Aneurysms using Intracranial Bypass and Reconstructive Techniques(<SPECIAL ISSUES>Current Strategies of Extracranial-Intracranial Bypass Surgery). <i>Japanese Journal of Neurosurgery</i> , 2008, 17, 601-611.	0.0	2
45	Radio-Anatomical Analysis of Landmarks for Exposing the Internal Auditory Canal from the Subtemporal Approach. <i>Journal of Neurological Surgery, Part B: Skull Base</i> , 2013, 74, .	0.8	1
46	Homogenous Subgroups of Atypical Meningiomas Defined Using Oncogenic Signatures. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1
47	A Configurational Analysis of Risk Patterns for Predicting the Outcome After Traumatic Brain Injury. <i>AMIA ... Annual Symposium proceedings</i> , 2017, 2017, 780-789.	0.2	1
48	Analytical anatomy: quantifying surgical access with and without orbital bar removal: cadaver and surgical phantom studies. <i>Acta Neurochirurgica</i> , 2014, 156, 1635-1636.	1.7	0