

Zsolt Kulcsar

List of Publications by Year in descending order

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Version: 2024-02-01

77
papers

3,206
citations

236612

25
h-index

155451

55
g-index

83
all docs

83
docs citations

83
times ranked

2885
citing authors

#	ARTICLE	IF	CITATIONS
1	Flow augmentation STA-MCA bypass evaluation for patients with acute stroke and unilateral large vessel occlusion: a proposal for an urgent bypass flowchart. <i>Journal of Neurosurgery</i> , 2022, 137, 1047-1055.	0.9	10
2	Hemodynamic Imaging in Cerebral Diffuse Gliomaâ€”Part B: Molecular Correlates, Treatment Effect Monitoring, Prognosis, and Future Directions. <i>Cancers</i> , 2022, 14, 1342.	1.7	5
3	Hemodynamic Imaging in Cerebral Diffuse Gliomaâ€”Part A: Concept, Differential Diagnosis and Tumor Grading. <i>Cancers</i> , 2022, 14, 1432.	1.7	6
4	Feasibility of glioblastoma tissue response mapping with physiologic BOLD imaging using precise oxygen and carbon dioxide challenge. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2022, 35, 29-44.	1.1	4
5	<scp>Magnetic Resonance Imaging</scp> or <scp>Computed Tomography</scp> for Suspected Acute Stroke: Association of Admission Image Modality with Acute Recanalization Therapies, Workflow Metrics, and Outcomes. <i>Annals of Neurology</i> , 2022, 92, 184-194.	2.8	6
6	More pronounced hemodynamic alterations in patients with brain arteriovenous malformationâ€”associated epilepsy. <i>Neurosurgical Focus</i> , 2022, 53, E4.	1.0	0
7	Safety and efficacy of the Silk flow diverter: Insight from the DIVERSION prospective cohort study. <i>Journal of Neuroradiology</i> , 2021, 48, 293-298.	0.6	5
8	Incidence and Outcome of Aneurysmal Subarachnoid Hemorrhage. <i>Stroke</i> , 2021, 52, 344-347.	1.0	49
9	Benralizumab in eosinophilic granulomatosis with polyangiitis complicated by <i>Staphylococcus aureus</i> sepsis. <i>Clinical Immunology</i> , 2021, 222, 108574.	1.4	8
10	Single-hole, ruptured parenchymal arteriovenous fistula of the mesencephalon : Not known vascular malformation of the brain or a posthemorrhagic entity?. <i>Ideggyogyaszati Szemle</i> , 2021, 74, 126-128.	0.4	0
11	Experimental evaluation of direct thromboaspiration efficacy according to the angle of interaction between the aspiration catheter and the clot. <i>Journal of NeuroInterventional Surgery</i> , 2021, 13, 1152-1156.	2.0	10
12	Functional Imaging of Bow Hunter's Syndrome. <i>Annals of Neurology</i> , 2021, 89, 1051-1052.	2.8	0
13	Â€European Perspective on the German System for Thrombectomy in Stroke Patients. <i>Clinical Neuroradiology</i> , 2021, 31, 7-9.	1.0	1
14	Increase in contrast-enhancing volume of irradiated meningiomas reflects tumor progression and not pseudoprogression. <i>Neuro-Oncology</i> , 2021, 23, 1612-1613.	0.6	1
15	Endovascular treatment of acute ischemic stroke. <i>Journal of Neurosurgical Sciences</i> , 2021, 65, 259-268.	0.3	1
16	Acute Stenting and Concomitant Tirofiban Administration for the Endovascular Treatment of Acute Ischemic Stroke Related to Intracranial Artery Dissections: A Single Center Experience and Systematic Review of the Literature. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2021, 30, 105891.	0.7	4
17	EndoVascular treatment and Thrombolysis for Ischemic Stroke Patients (EVA-TRISP) registry: basis and methodology of a pan-European prospective ischaemic stroke revascularisation treatment registry. <i>BMJ Open</i> , 2021, 11, e042211.	0.8	4
18	Safety and efficacy of balloon angioplasty in symptomatic intracranial stenosis: A systematic review and meta-analysis. <i>Journal of Neuroradiology</i> , 2020, 47, 27-32.	0.6	15

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19	Direct thromboaspiration efficacy for mechanical thrombectomy is related to the angle of interaction between the aspiration catheter and the clot. <i>Journal of NeuroInterventional Surgery</i> , 2020, 12, 396-400.	2.0	51
20	Ultrafast Intracranial Vessel Imaging With Non-Cartesian Spiral 3-Dimensional Time-of-Flight Magnetic Resonance Angiography at 1.5 T. <i>Investigative Radiology</i> , 2020, 55, 293-303.	3.5	15
21	Outcome Comparison Between Surgically Treated Brain Arteriovenous Malformation Hemorrhage and Spontaneous Intracerebral Hemorrhage. <i>World Neurosurgery</i> , 2020, 139, e807-e811.	0.7	4
22	Delayed mesencephalic venous infarction after endovascular treatment of a giant aneurysm of the posterior cerebral artery: Case report and anatomical review. <i>Interventional Neuroradiology</i> , 2020, 26, 593-597.	0.7	1
23	COVID-19 and neurointerventional service worldwide: a survey of the European Society of Minimally Invasive Neurological Therapy (ESMINT), the Society of NeuroInterventional Surgery (SNIS), the Sociedad Iberolatinoamericana de Neuroradiología Diagnóstica y Terapéutica (SILAN), the Society of Vascular and Interventional Neurology (SVIN), and the World Federation of Interventional and Therapeutic Neuro-radiology (WFITN). <i>Journal of NeuroInterventional Surgery</i> , 2020, 12, 726-730.	2.0	26
24	Deep learning based detection of intracranial aneurysms on digital subtraction angiography: A feasibility study. <i>Neuroradiology Journal</i> , 2020, 33, 311-317.	0.6	20
25	European Society of Minimally Invasive Neurological Therapy (ESMINT) recommendations for optimal interventional neurovascular management in the COVID-19 era. <i>Journal of NeuroInterventional Surgery</i> , 2020, 12, 542-544.	2.0	32
26	The Challenging Clinical Management of Patients with Cranial Dural Arteriovenous Fistula and Secondary Parkinson's Syndrome: Pathophysiology and Treatment Options. <i>Cerebrovascular Diseases Extra</i> , 2020, 10, 124-138.	0.5	6
27	Flow Diverters for Intracranial Aneurysms. <i>Stroke</i> , 2019, 50, 3471-3480.	1.0	47
28	Spontaneous appearance of de novo intracranial arteriovenous malformation in hepatic cirrhosis. <i>Neurochirurgie</i> , 2019, 65, 393-396.	0.6	8
29	Subarachnoid Hemorrhage Due to Flow-Related Dissection of the Posterior-Inferior Cerebellar Artery Associated with a Distal Arteriovenous Malformation. <i>World Neurosurgery</i> , 2019, 125, 44-48.	0.7	5
30	Hemodynamics of Focal Versus Global Growth of Small Cerebral Aneurysms. <i>Clinical Neuroradiology</i> , 2019, 29, 285-293.	1.0	26
31	Haptoglobin administration into the subarachnoid space prevents hemoglobin-induced cerebral vasospasm. <i>Journal of Clinical Investigation</i> , 2019, 129, 5219-5235.	3.9	57
32	Association of single and multiple aneurysms with tobacco abuse: an @neurIST risk analysis. <i>Neurosurgical Focus</i> , 2019, 47, E9.	1.0	5
33	Trans-venous embolization of a basal ganglia ruptured arteriovenous malformation with open surgical arterial control: A hybrid technique. <i>Journal of Neuroradiology</i> , 2018, 45, 202-205.	0.6	3
34	Predictors of Occurrence and Anatomic Distribution of Multiple Aneurysms in Patients with Aneurysmal Subarachnoid Hemorrhage. <i>World Neurosurgery</i> , 2018, 111, e199-e205.	0.7	14
35	The Catch Mini stent retriever for mechanical thrombectomy in distal intracranial occlusions. <i>Journal of Neuroradiology</i> , 2018, 45, 305-309.	0.6	37
36	The POST trial: initial post-market experience of the Penumbra system: revascularization of large vessel occlusion in acute ischemic stroke in the United States and Europe. <i>Journal of NeuroInterventional Surgery</i> , 2018, 10, i35-i38.	2.0	48

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37	Clipping of Ruptured Aneurysm of Lateral Spinal Artery Associated with Anastomosis to Distal Posterior Inferior Cerebellar Artery: A Case Report. <i>World Neurosurgery</i> , 2018, 117, 186-189.	0.7	7
38	Is Catheter Angiography Still Necessary for the Follow-Up of Spinal Malformations after Treatment?. <i>American Journal of Neuroradiology</i> , 2017, 38, E29-E29.	1.2	0
39	Neurointerventional staffing: The next frontier. <i>Journal of Neuroradiology</i> , 2017, 44, 231-233.	0.6	2
40	Clipping of ruptured intracranial aneurysms in a hybrid room environment—a case-control study. <i>Acta Neurochirurgica</i> , 2017, 159, 1291-1298.	0.9	11
41	CT imaging selection in acute stroke. <i>European Journal of Radiology</i> , 2017, 96, 153-161.	1.2	13
42	A novel, non-adhesive, precipitating liquid embolic implant with intrinsic radiopacity: feasibility and safety animal study. <i>European Radiology</i> , 2017, 27, 1248-1256.	2.3	15
43	Vascular Imaging Techniques of the Spinal Cord. <i>Seminars in Ultrasound, CT and MRI</i> , 2017, 38, 143-152.	0.7	9
44	Can clot density predict recanalization in acute ischemic stroke treated with intravenous tPA?. <i>Clinical and Translational Neuroscience</i> , 2017, 1, 2514183X1771831.	0.4	7
45	Training Guidelines for Endovascular Ischemic Stroke Intervention: An International Multi-Society Consensus Document. <i>American Journal of Neuroradiology</i> , 2016, 37, E31-E34.	1.2	50
46	Virtual-versus-Real Implantation of Flow Diverters: Clinical Potential and Influence of Vascular Geometry. <i>American Journal of Neuroradiology</i> , 2016, 37, 2079-2086.	1.2	19
47	Unruptured intracranial aneurysm follow-up and treatment after morphological change is safe: observational study and systematic review. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2016, 87, 1277-1282.	0.9	39
48	Carotid artery stenting. <i>Heart</i> , 2016, 102, 1059-1069.	1.2	5
49	Pretherapeutic characterization of the clot in acute stroke. <i>Journal of Neuroradiology</i> , 2016, 43, 163-166.	0.6	11
50	Training guidelines for endovascular stroke intervention: an international multi-society consensus document. <i>Neuroradiology</i> , 2016, 58, 537-541.	1.1	14
51	Safety and effectiveness of large volume coils in the treatment of small aneurysms. <i>Journal of NeuroInterventional Surgery</i> , 2016, 8, 1260-1263.	2.0	4
52	Geometrical deployment for braided stent. <i>Medical Image Analysis</i> , 2016, 30, 85-94.	7.0	30
53	A new-generation, low-permeability flow diverting device for treatment of saccular aneurysms. <i>European Radiology</i> , 2014, 24, 12-18.	2.3	5
54	Neuroform stent-assisted treatment of intracranial aneurysms: long-term follow-up study of aneurysm recurrence and in-stent stenosis rates. <i>Neuroradiology</i> , 2013, 55, 459-465.	1.1	28

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55	Intra-Aneurysmal Pressure and Flow Changes Induced by Flow Diverters: Relation to Aneurysm Size and Shape. <i>American Journal of Neuroradiology</i> , 2013, 34, 816-822.	1.2	71
56	Flow diversion treatment: intra-aneurysmal blood flow velocity and WSS reduction are parameters to predict aneurysm thrombosis. <i>Acta Neurochirurgica</i> , 2012, 154, 1827-1834.	0.9	94
57	Rare angioproliferative tumors mimicking aggressive spinal hemangioma with epidural expansion. <i>Ideggyogyaszati Szemle</i> , 2012, 65, 42-7.	0.4	1
58	Early fatal hemorrhage after endovascular cerebral aneurysm treatment with a flow diverter (SILK-Stent). <i>Neuroradiology</i> , 2011, 53, 37-41.	1.1	221
59	Hemodynamics of Cerebral Aneurysm Initiation: The Role of Wall Shear Stress and Spatial Wall Shear Stress Gradient. <i>American Journal of Neuroradiology</i> , 2011, 32, 587-594.	1.2	185
60	Intra-Aneurysmal Thrombosis as a Possible Cause of Delayed Aneurysm Rupture after Flow-Diversion Treatment. <i>American Journal of Neuroradiology</i> , 2011, 32, 20-25.	1.2	461
61	Effect of Flow Diversion Treatment on Very Small Ruptured Aneurysms. <i>Neurosurgery</i> , 2010, 67, 789-793.	0.6	91
62	Dynamic MR angiography (MRA) of spinal vascular diseases at 3T. <i>European Radiology</i> , 2010, 20, 2491-2495.	2.3	39
63	Multiple Coaxial Catheter System for Reliable Access in Interventional Stroke Therapy. <i>CardioVascular and Interventional Radiology</i> , 2010, 33, 1205-1209.	0.9	12
64	Use of the Enterprise [®] Intracranial Stent for Revascularization of Large Vessel Occlusions in Acute Stroke. <i>Clinical Neuroradiology</i> , 2010, 20, 54-60.	1.0	15
65	Continuous thrombolysis and repeated thrombectomy with the Penumbra System [®] in a child with hemorrhagic sinus thrombosis: technical note. <i>Acta Neurochirurgica</i> , 2010, 152, 911-916.	0.9	32
66	Penumbra System: A Novel Mechanical Thrombectomy Device for Large-Vessel Occlusions in Acute Stroke. <i>American Journal of Neuroradiology</i> , 2010, 31, 628-633.	1.2	84
67	Combined Use of Pulsed Arterial Spin-Labeling and Susceptibility-Weighted Imaging in Stroke at 3T. <i>European Neurology</i> , 2010, 64, 286-296.	0.6	73
68	High-Profile Flow Diverter (Silk) Implantation in the Basilar Artery. <i>Stroke</i> , 2010, 41, 1690-1696.	1.0	197
69	Treatment of Intracranial Aneurysms by Functional Reconstruction of the Parent Artery: The Budapest Experience with the Pipeline Embolization Device. <i>American Journal of Neuroradiology</i> , 2010, 31, 1139-1147.	1.2	533
70	Vertebral artery dissection as an extremely rare cause of spinal epidural hematoma: case report and review of the literature. <i>Acta Neurochirurgica</i> , 2009, 151, 1319-1323.	0.9	4
71	Effect of Flow Diverter Porosity on Intraaneurysmal Blood Flow. <i>Klinische Neuroradiologie</i> , 2009, 19, 204-214.	0.9	134
72	Arterial spin labeling shows cortical collateral flow in the endovascular treatment of vasospasm after post-traumatic subarachnoid hemorrhage. <i>Journal of Neuroradiology</i> , 2009, 36, 158-161.	0.6	13

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73	Methodologies to assess blood flow in cerebral aneurysms: Current state of research and perspectives. <i>Journal of Neuroradiology</i> , 2009, 36, 270-277.	0.6	22
74	Evaluation of perfusion CT and TIBI grade in acute stroke for predicting thrombolysis benefit and clinical outcome. <i>Journal of Neuroradiology</i> , 2009, 36, 131-137.	0.6	21
75	Impact of aneurysmal geometry on intraaneurysmal flow: a computerized flow simulation study. <i>Neuroradiology</i> , 2008, 50, 411-421.	1.1	49
76	Endovascular treatment of intracranial aneurysms with parent vessel reconstruction using balloon and self expandable stents. <i>Acta Neurochirurgica</i> , 2006, 148, 711-723.	0.9	41
77	Blood Pressure Variability Indices for Outcome Prediction After Thrombectomy in Stroke by Using High-Resolution Data. <i>Neurocritical Care</i> , 0, , .	1.2	0