

Miran Skrap

List of Publications by Year in descending order

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Version: 2024-02-01

129
papers

4,115
citations

109321

35
h-index

138484

58
g-index

130
all docs

130
docs citations

130
times ranked

5255
citing authors

#	ARTICLE	IF	CITATIONS
1	Low-grade glioma surgery in eloquent areas: volumetric analysis of extent of resection and its impact on overall survival. A single-institution experience in 190 patients. <i>Journal of Neurosurgery</i> , 2012, 117, 1039-1052.	1.6	247
2	A Transcavernous-transsellar Approach to the Basilar Tip Aneurysms. <i>British Journal of Neurosurgery</i> , 1987, 1, 251-259.	0.8	193
3	The Spiritual Brain: Selective Cortical Lesions Modulate Human Self-Transcendence. <i>Neuron</i> , 2010, 65, 309-319.	8.1	177
4	Better without (lateral) frontal cortex? Insight problems solved by frontal patients. <i>Brain</i> , 2005, 128, 2882-2890.	7.6	154
5	Systemic T Cells Immunosuppression of Glioma Stem Cell-Derived Exosomes Is Mediated by Monocytic Myeloid-Derived Suppressor Cells. <i>PLoS ONE</i> , 2017, 12, e0169932.	2.5	136
6	Effects of lesions to area V6A in monkeys. <i>Experimental Brain Research</i> , 2002, 144, 419-422.	1.5	113
7	O6-methylguanine DNA-methyltransferase methylation status can change between first surgery for newly diagnosed glioblastoma and second surgery for recurrence: clinical implications. <i>Neuro-Oncology</i> , 2010, 12, 283-288.	1.2	110
8	Size-dependent cellular uptake of exosomes. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2017, 13, 1011-1020.	3.3	109
9	Cortical bases of elementary deductive reasoning: Inference, memory, and metaduction. <i>Neuropsychologia</i> , 2009, 47, 1107-1116.	1.6	107
10	Proteomic Studies on Low- and High-Grade Human Brain Astrocytomas. <i>Journal of Proteome Research</i> , 2005, 4, 698-708.	3.7	99
11	Surgery of Insular Nonenhancing Gliomas. <i>Neurosurgery</i> , 2012, 70, 1081-1094.	1.1	97
12	Impact of brain tumour location on emotion and personality: a voxel-based lesionâ€‘symptom mapping study on mentalization processes. <i>Brain</i> , 2014, 137, 2532-2545.	7.6	90
13	Meditation-related activations are modulated by the practices needed to obtain it and by the expertise: an ALE meta-analysis study. <i>Frontiers in Human Neuroscience</i> , 2012, 6, 346.	2.0	88
14	Specific impairments of rule induction in different frontal lobe subgroups. <i>Neuropsychologia</i> , 2005, 43, 460-472.	1.6	86
15	The neural basis of temporal preparation: Insights from brain tumor patients. <i>Neuropsychologia</i> , 2007, 45, 2755-2763.	1.6	85
16	Gliomaâ€‘Associated Stem Cells: A Novel Class of Tumorâ€‘Supporting Cells Able to Predict Prognosis of Human Lowâ€‘Grade Gliomas. <i>Stem Cells</i> , 2014, 32, 1239-1253.	3.2	80
17	Survey on current cognitive practices within the European Low-Grade Glioma Network: towards a European assessment protocol. <i>Acta Neurochirurgica</i> , 2017, 159, 1167-1178.	1.7	80
18	Naming manipulable objects: Anatomy of a category specific effect in left temporal tumours. <i>Neuropsychologia</i> , 2010, 48, 1583-1597.	1.6	71

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19	Smaller, softer, lower-impedance electrodes for human neuroprosthesis: a pragmatic approach. <i>Frontiers in Neuroengineering</i> , 2014, 7, 8.	4.8	66
20	Surgery for insular low-grade glioma: predictors of postoperative seizure outcome. <i>Journal of Neurosurgery</i> , 2014, 120, 12-23.	1.6	61
21	Deep brain stimulation: Subthalamic nucleus electrophysiological activity in awake and anesthetized patients. <i>Clinical Neurophysiology</i> , 2012, 123, 2406-2413.	1.5	58
22	The Experience of Patients Undergoing Awake Craniotomy. <i>Cancer Nursing</i> , 2008, 31, 166-172.	1.5	57
23	Foreign accent syndrome: A multimodal mapping study. <i>Cortex</i> , 2013, 49, 18-39.	2.4	57
24	Brain mapping: a novel intraoperative neuropsychological approach. <i>Journal of Neurosurgery</i> , 2016, 125, 877-887.	1.6	56
25	The human RECQ1 helicase is highly expressed in glioblastoma and plays an important role in tumor cell proliferation. <i>Molecular Cancer</i> , 2011, 10, 83.	19.2	49
26	What do we know about pre- and postoperative plasticity in patients with glioma? A review of neuroimaging and intraoperative mapping studies. <i>NeuroImage: Clinical</i> , 2020, 28, 102435.	2.7	49
27	Semantic access dysphasia resulting from left temporal lobe tumours. <i>Brain</i> , 2009, 132, 87-102.	7.6	48
28	Biologically Compatible Neural Interface To Safely Couple Nanocoated Electrodes to the Surface of the Brain. <i>ACS Nano</i> , 2013, 7, 3887-3895.	14.6	48
29	Investigation of Adhesion and Mechanical Properties of Human Glioma Cells by Single Cell Force Spectroscopy and Atomic Force Microscopy. <i>PLoS ONE</i> , 2014, 9, e112582.	2.5	47
30	Acute effects of surgery on emotion and personality of brain tumor patients: surgery impact, histological aspects, and recovery. <i>Neuro-Oncology</i> , 2015, 17, 1121-1131.	1.2	47
31	5-Aminolevulinic Acid and Contrast-Enhanced Ultrasound: The Combination of the Two Techniques to Optimize the Extent of Resection in Glioblastoma Surgery. <i>Neurosurgery</i> , 2020, 86, E529-E540.	1.1	44
32	Neurosurgical management and postoperative whole-brain radiotherapy for colorectal cancer patients with symptomatic brain metastases. <i>Journal of Cancer Research and Clinical Oncology</i> , 2009, 135, 451-457.	2.5	42
33	Right posterior cortical functions in a tumour patient series. <i>Cortex</i> , 2010, 46, 1178-1188.	2.4	41
34	LANGUAGE DISORDERS IN BILINGUAL PATIENTS AFTER THALAMIC LESIONS. <i>Journal of Neurolinguistics</i> , 1997, 10, 347-367.	1.1	38
35	An NF- κ B signature predicts low-grade glioma prognosis: a precision medicine approach based on patient-derived stem cells. <i>Neuro-Oncology</i> , 2018, 20, 776-787.	1.2	38
36	Visuomotor deficits and fast recovery after area V6A lesion in monkeys. <i>Behavioural Brain Research</i> , 2003, 139, 115-122.	2.2	35

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37	Non-anaplastic pleomorphic xanthoastrocytoma with neuroradiological evidences of leptomeningeal dissemination. <i>Child's Nervous System</i> , 2006, 22, 614-618.	1.1	33
38	Generation and recognition of abstract rules in different frontal lobe subgroups. <i>Neuropsychologia</i> , 2005, 43, 1924-1937.	1.6	30
39	Causal Role of the Sensorimotor Cortex in Action Simulation: Neuropsychological Evidence. <i>Journal of Cognitive Neuroscience</i> , 2011, 23, 2068-2078.	2.3	28
40	Long-Term Cognitive Functioning and Psychological Well-Being in Surgically Treated Patients with Low-Grade Glioma. <i>World Neurosurgery</i> , 2017, 103, 799-808.e9.	1.3	28
41	Mental rotation in a patient with an implanted electrode grid in the motor cortex. <i>NeuroReport</i> , 2005, 16, 1795-1800.	1.2	27
42	Incidental Low-Grade Gliomas: Single-Institution Management Based on Clinical, Surgical, and Molecular Data. <i>Neurosurgery</i> , 2020, 86, 391-399.	1.1	26
43	Predictors of Postoperative Seizure Outcome in Low Grade Glioma: From Volumetric Analysis to Molecular Stratification. <i>Cancers</i> , 2020, 12, 397.	3.7	26
44	Stereotactic Aspiration and Drainage of Brain Abscesses. Experience with 9 Cases. <i>Minimally Invasive Neurosurgery</i> , 1996, 39, 108-112.	0.9	23
45	A multimodal mapping study of conduction aphasia with impaired repetition and spared reading aloud. <i>Neuropsychologia</i> , 2015, 70, 214-226.	1.6	23
46	Semaphorin-7A on Exosomes: A Promigratory Signal in the Glioma Microenvironment. <i>Cancers</i> , 2019, 11, 758.	3.7	22
47	Heterogeneity Matters: Different Regions of Glioblastoma Are Characterized by Distinctive Tumor-Supporting Pathways. <i>Cancers</i> , 2020, 12, 2960.	3.7	22
48	The role of perfusion and diffusion MRI in the assessment of patients affected by probable idiopathic normal pressure hydrocephalus. A cohort-prospective preliminary study. <i>Fluids and Barriers of the CNS</i> , 2017, 14, 24.	5.0	20
49	A Survey on Pituitary Surgery in Italy. <i>World Neurosurgery</i> , 2019, 123, e440-e449.	1.3	20
50	Expression of the Polycomb-Group Protein BMI1 and correlation with p16 in astrocytomas. <i>Pathology Research and Practice</i> , 2008, 204, 625-631.	2.3	19
51	Preoperative Stress, Anxiety, Depression and Coping Strategies Adopted by Patients Experiencing Their First or Recurrent Brain Neoplasm: An Explorative Study. <i>Stress and Health</i> , 2012, 28, 416-425.	2.6	19
52	Phonological and surface dyslexia in individuals with brain tumors: Performance pre-, intra-, immediately post-surgery and at follow-up. <i>Human Brain Mapping</i> , 2020, 41, 5015-5031.	3.6	19
53	Alterations in fiber pathways reveal brain tumor typology: a diffusion tractography study. <i>PeerJ</i> , 2014, 2, e497.	2.0	19
54	Microsubthalamotomy improves sleep in patients affected by advanced Parkinson's disease. <i>Sleep Medicine</i> , 2014, 15, 637-641.	1.6	18

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55	Noun-verb naming dissociation in neurosurgical patients. <i>Aphasiology</i> , 2019, 33, 1418-1440.	2.2	18
56	Involuntary switching into the native language induced by electrocortical stimulation of the superior temporal gyrus: A multimodal mapping study. <i>Neuropsychologia</i> , 2014, 62, 87-100.	1.6	17
57	Temporary balloon occlusion during the surgical treatment of giant paraclinoid and vertebrobasilar aneurysms. <i>Acta Neurochirurgica</i> , 2010, 152, 435-442.	1.7	16
58	Two qualitatively different impairments in making rotation operations. <i>Cortex</i> , 2011, 47, 166-179.	2.4	16
59	Motor Simulation during Action Word Processing in Neurosurgical Patients. <i>Journal of Cognitive Neuroscience</i> , 2012, 24, 736-748.	2.3	16
60	Reaching a moveable visual target: Dissociations in brain tumour patients. <i>Brain and Cognition</i> , 2013, 82, 6-17.	1.8	16
61	Strategy Innovation, Intellectual Capital Management, and the Future of Healthcare: The Case of Kiron by Nucleode. <i>Contributions To Management Science</i> , 2020, , 119-131.	0.5	16
62	Effects of Strategies on Mental Rotation Performed by Unilateral Brain Damaged Patients. <i>Cortex</i> , 2004, 40, 197-199.	2.4	15
63	EDG3 and SHC3 on chromosome 9q22 are co-amplified in human ependymomas. <i>Cancer Letters</i> , 2010, 290, 36-42.	7.2	15
64	Localisation through operation for brain tumour: A reply to Karnath and Steinbach. <i>Cortex</i> , 2011, 47, 1007-1009.	2.4	15
65	To move or not to move: Subthalamic deep brain stimulation effects on implicit motor simulation. <i>Brain Research</i> , 2014, 1574, 14-25.	2.2	15
66	Double-letter processing in surface dyslexia and dysgraphia following a left temporal lesion: A multimodal neuroimaging study. <i>Cortex</i> , 2015, 73, 112-130.	2.4	15
67	Topoisomerase III ² mediates the resistance of glioblastoma stem cells to replication stress-inducing drugs. <i>Cancer Cell International</i> , 2016, 16, 58.	4.1	15
68	Independent Component Decomposition of Human Somatosensory Evoked Potentials Recorded by Micro-Electrocorticography. <i>International Journal of Neural Systems</i> , 2017, 27, 1650052.	5.2	15
69	Application of an Artificial Intelligence Algorithm to Prognostically Stratify Grade II Gliomas. <i>Cancers</i> , 2020, 12, 50.	3.7	15
70	Italian consensus and recommendations on diagnosis and treatment of low-grade gliomas. An intersociety (SINch/AINO/SIN) document. <i>Journal of Neurosurgical Sciences</i> , 2020, 64, 313-334.	0.6	15
71	HER-2 Expression in Brain Metastases from Colorectal Cancer and Corresponding Primary Tumors: A Case Cohort Series. <i>International Journal of Molecular Sciences</i> , 2013, 14, 2370-2387.	4.1	14
72	Speed-accuracy strategy regulations in prefrontal tumor patients. <i>Neuropsychologia</i> , 2016, 82, 1-10.	1.6	14

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73	Combining Clinical and Molecular Data to Predict the Benefits of Carmustine Wafers in Newly Diagnosed High-Grade Gliomas. <i>Current Treatment Options in Neurology</i> , 2018, 20, 3.	1.8	14
74	Cognitive Functions in Repeated Glioma Surgery. <i>Cancers</i> , 2020, 12, 1077.	3.7	14
75	Mechanisms of malignancy in glioblastoma cells are linked to MCU upregulation and higher intracellular calcium level. <i>Journal of Cell Science</i> , 2020, 133, .	2.0	14
76	Neurosurgical lesions to sensorimotor cortex do not impair action verb processing. <i>Scientific Reports</i> , 2020, 10, 523.	3.3	14
77	A Risk Score Based on 5 Clinico-Pathological Variables Predicts Recurrence of Atypical Meningiomas. <i>Journal of Neuropathology and Experimental Neurology</i> , 2020, 79, 500-507.	1.7	14
78	Multimodal integrated approaches in low grade glioma surgery. <i>Scientific Reports</i> , 2021, 11, 9964.	3.3	14
79	Treatment of recurrent high-grade gliomas with GliaSite brachytherapy: A prospective mono-institutional Italian experience. <i>Tumori</i> , 2011, 97, 614-619.	1.1	13
80	Second Surgery in Insular Low-Grade Gliomas. <i>BioMed Research International</i> , 2015, 2015, 1-11.	1.9	13
81	Survey on current practice within the European Low-Grade Glioma Network: where do we stand and what is the next step?. <i>Neuro-Oncology Practice</i> , 2017, 4, 241-247.	1.6	13
82	Localizing Memory Functions in Brain Tumor Patients: Anatomical Hotspots over 260 Patients. <i>World Neurosurgery</i> , 2018, 120, e690-e709.	1.3	13
83	Mismatch-Repair Protein Expression in High-Grade Gliomas: A Large Retrospective Multicenter Study. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6716.	4.1	13
84	A Novel Comprehensive Clinical Stratification Model to Refine Prognosis of Glioblastoma Patients Undergoing Surgical Resection. <i>Cancers</i> , 2020, 12, 386.	3.7	13
85	Design fluency and neuroanatomical correlates in 54 neurosurgical patients with lesions to the right hemisphere. <i>Journal of Neuro-Oncology</i> , 2017, 135, 141-150.	2.9	12
86	Is age an additional factor in the treatment of elderly patients with glioblastoma? A new stratification model: an Italian Multicenter Study. <i>Neurosurgical Focus</i> , 2020, 49, E13.	2.3	12
87	Refractory semantic access dysphasia resulting from resection of a left frontal glioma. <i>Neurocase</i> , 2013, 19, 27-35.	0.6	11
88	Seeking a bridge between language and motor cortices: a PPI study. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 249.	2.0	11
89	Post-Operative Shampoo Effects in Neurosurgical Patients: A Pilot Experimental Study. <i>Surgical Infections</i> , 2015, 16, 133-138.	1.4	11
90	Quantitative Diffusion Tensor Imaging Analysis of Low-Grade Gliomas: From Preclinical Application to Patient Care. <i>World Neurosurgery</i> , 2017, 97, 333-343.	1.3	11

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91	The miRNA Content of Exosomes Released from the Glioma Microenvironment Can Affect Malignant Progression. <i>Biomedicines</i> , 2020, 8, 564.	3.2	11
92	Emotional concerns and coping strategies in Low Grade Glioma patients and reliability of their caregivers in reporting these concerns: Findings from a cross-sectional study. <i>European Journal of Oncology Nursing</i> , 2017, 30, 113-119.	2.1	9
93	Risk Factors of Persistent Hydrocephalus in Children with Brain Tumor: A Retrospective Analysis. <i>Pediatric Neurosurgery</i> , 2021, 56, 205-212.	0.7	9
94	Neuropsychological Patterns Following Lesions of the Anterior Insula in a Series of Forty Neurosurgical Patients. <i>AIMS Neuroscience</i> , 2014, 1, 225-244.	2.3	9
95	Identifying environmental sounds: a multimodal mapping study. <i>Frontiers in Human Neuroscience</i> , 2015, 9, 567.	2.0	8
96	From the Champion to the Team: New Treatment Paradigms in Contemporary Neurosurgery. <i>World Neurosurgery</i> , 2019, 131, 141-148.	1.3	8
97	Long-Standing Overt Ventriculomegaly in Adults (LOVA): Diagnostic Aspects, CSF Dynamics with Lumbar Infusion Test and Treatment Options in a Consecutive Series with Long-Term Follow-Up. <i>World Neurosurgery</i> , 2021, 156, e30-e40.	1.3	8
98	CT and MRI findings after stereotactic resection of brain lesions. <i>European Journal of Radiology</i> , 1996, 23, 228-234.	2.6	7
99	The neural network associated with lexical-semantic knowledge about social groups. <i>Cortex</i> , 2015, 70, 155-168.	2.4	7
100	Supratentorial Cavernous Malformations Involving the Corticospinal Tract and Sensory Motor Cortex: Treatment Strategies, Surgical Considerations, and Outcomes. <i>Operative Neurosurgery</i> , 2018, 15, 483-497.	0.8	7
101	Diffuse low grade glioma and pregnancy: Practical considerations and clinical tips. <i>Clinical Neurology and Neurosurgery</i> , 2020, 198, 106110.	1.4	7
102	A New Epigenetic Model to Stratify Glioma Patients According to Their Immunosuppressive State. <i>Cells</i> , 2021, 10, 576.	4.1	7
103	Cognitive reserve protects language functions in patients with brain tumours. <i>Neuropsychologia</i> , 2021, 154, 107769.	1.6	7
104	Prediction of Speech Onset by Micro-Electrocorticography of the Human Brain. <i>International Journal of Neural Systems</i> , 2021, 31, 2150025.	5.2	6
105	The persistence of seizures after tumor resection negatively affects survival in low-grade glioma patients: a clinical retrospective study. <i>Journal of Neurology</i> , 2022, 269, 2627-2633.	3.6	6
106	Meningioma can lead to pre-operative cognitive alterations even if localized in sensorimotor areas: A multimodal MRI-neuropsychological study in a series of 46 patients. <i>Neuropsychologia</i> , 2020, 137, 107288.	1.6	5
107	Relation Between Reading Performance and White-Matter Alteration and Reorganization in Neurosurgical Patients. <i>Frontiers in Neurology</i> , 2020, 11, 563259.	2.4	5
108	Pre-Surgery Cognitive Performance and Voxel-Based Lesion-Symptom Mapping in Patients with Left High-Grade Glioma. <i>Cancers</i> , 2021, 13, 1467.	3.7	5

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109	Frameless Deep Brain Stimulation Surgery: A Single-Center Experience and Retrospective Analysis of Placement Accuracy of 220 Electrodes in a Series of 110 Patients. <i>Stereotactic and Functional Neurosurgery</i> , 2019, 97, 337-346.	1.5	4
110	Multimodal Assessment Shows a Mostly Preserved Cognitive Status in Incidentally Discovered Low Grade Gliomas: A Single Institution Study. <i>Cancers</i> , 2020, 12, 156.	3.7	4
111	Risk Assessment by Pre-surgical Tractography in Left Hemisphere Low-Grade Gliomas. <i>Frontiers in Neurology</i> , 2021, 12, 648432.	2.4	4
112	The combined treatment of stenting and surgery in a giant unruptured aneurysm of the middle cerebral artery. , 2015, 6, 67.		4
113	Giant vertebral aneurysm: A case report detailing successful treatment with combined stenting and surgery. , 2018, 9, 6.		4
114	Real-Time Neuropsychological Testing Protocol for Left Temporal Brain Tumor Surgery: A Technical Note and Case Report. <i>Frontiers in Human Neuroscience</i> , 2021, 15, 760569.	2.0	4
115	Left- and right-hemisphere forms of phonological alexia. <i>Cognitive Neuropsychology</i> , 2012, 29, 531-549.	1.1	3
116	Human Low-Grade Glioma Cultures. , 2013, , 137-163.		3
117	Possible association between the integrity of cerebellar pathways and neurocognitive performance in children with posterior fossa tumors. <i>Pediatric Blood and Cancer</i> , 2020, 67, e28538.	1.5	3
118	Junior-Real Time neuropsychological testing (j-RTNT) for a young patient undergoing awake craniotomy. <i>Brain and Cognition</i> , 2020, 140, 105535.	1.8	3
119	Delayed Positivation of Cerebral Angiography in Reversible Cerebral Vasoconstriction Syndrome (RCVS) Presenting with Recurrent Subarachnoid Haemorrhage. <i>Open Rheumatology Journal</i> , 2012, 6, 175-179.	0.2	3
120	A Compact and Autoclavable System for Acute Extracellular Neural Recording and Brain Pressure Monitoring for Humans. <i>IEEE Transactions on Biomedical Circuits and Systems</i> , 2015, 9, 50-59.	4.0	2
121	Neuropsychology in Insular Lesions Prior-During and After Brain Surgery. , 2018, , 281-292.		2
122	Intracranial Meningiomas in the Elderly: Clinical, Surgical and Economic Evaluation. A Multicentric Experience. <i>Cancers</i> , 2020, 12, 2685.	3.7	2
123	Globus Pallidus Internus Deep Brain Stimulation Using Frame-Based vs. Frameless Stereotaxy in Dystonia: A Single-Center Experience. <i>Frontiers in Neurology</i> , 2021, 12, 643757.	2.4	2
124	The stereotactic volumetric information: its role in two-step resection of brainstem and thalamic giant tumor. report of three cases and technical note.. <i>World Neurosurgery</i> , 1999, 52, 515-523.	1.3	1
125	Persistent Hiccups in Advanced Neuro-oncology Patients. <i>Journal of Hospice and Palliative Nursing</i> , 2014, 16, 396-401.	0.9	1
126	A multimodal approach to the study of children treated for posterior fossa tumor: A review of the literature and a pilot study. <i>Clinical Neurology and Neurosurgery</i> , 2021, 207, 106819.	1.4	1

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127	Diffuse Low-Grade Glioma Associated Stem Cells. , 2017, , 151-172.		1
128	Real-time neuropsychological testing during endovascular occlusion of a fusiform aneurysm in the left middle cerebral artery. Interdisciplinary Neurosurgery: Advanced Techniques and Case Management, 2019, 17, 113-118.	0.3	0
129	Whatâ€™s behind drawing for an artist with left temporal lobe epilepsy? A multimodal neurophysiological study. Epilepsy and Behavior Reports, 2021, 16, 100418.	1.0	0