

Roman Liscak

List of Publications by Year in descending order

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118
papers

4,094
citations

136740

32
h-index

128067

60
g-index

122
all docs

122
docs citations

122
times ranked

2988
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of a model to predict permanent symptomatic postradiosurgery injury for arteriovenous malformation patients. <i>International Journal of Radiation Oncology Biology Physics</i> , 2000, 46, 1143-1148.	0.4	365
2	Gamma Knife Surgery in Mesial Temporal Lobe Epilepsy: A Prospective Multicenter Study. <i>Epilepsia</i> , 2004, 45, 504-515.	2.6	292
3	A multi-institutional analysis of complication outcomes after arteriovenous malformation radiosurgery. <i>International Journal of Radiation Oncology Biology Physics</i> , 1999, 44, 67-74.	0.4	242
4	Long-term Tumor Control of Benign Intracranial Meningiomas After Radiosurgery in a Series of 4565 Patients. <i>Neurosurgery</i> , 2012, 70, 32-39.	0.6	202
5	Gamma Knife surgery for benign meningioma. <i>Journal of Neurosurgery</i> , 2007, 107, 325-336.	0.9	178
6	Functional magnetic resonance imaging during deep brain stimulation: A pilot study in four patients with Parkinson's disease. <i>Movement Disorders</i> , 2001, 16, 1126-1132.	2.2	153
7	ARTERIOVENOUS MALFORMATIONS AFTER LEKSELL GAMMA KNIFE RADIOSURGERY. <i>Neurosurgery</i> , 2007, 60, 1005-1016.	0.6	152
8	Radiosurgery for Epilepsy Associated with Cavernous Malformation: Retrospective Study in 49 Patients. <i>Neurosurgery</i> , 2000, 47, 1091-1097.	0.6	125
9	Solitary brain metastases treated with the Leksell gamma knife: prognostic factors for patients. <i>Radiotherapy and Oncology</i> , 2000, 57, 207-213.	0.3	98
10	Radiation Tolerance of Functioning Pituitary Tissue in Gamma Knife Surgery for Pituitary Adenomas. <i>Neurosurgery</i> , 2003, 52, 309-317.	0.6	97
11	Brain metastases after stereotactic radiosurgery using the Leksell gamma knife: can FDG PET help to differentiate radionecrosis from tumour progression?. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2003, 30, 96-100.	3.3	89
12	Stereotactic radiofrequency amygdalohippocampectomy in the treatment of mesial temporal lobe epilepsy. <i>Acta Neurochirurgica</i> , 2010, 152, 1291-1298.	0.9	88
13	Stereotactic Radiosurgery for Brainstem Metastases: An International Cooperative Study to Define Response and Toxicity. <i>International Journal of Radiation Oncology Biology Physics</i> , 2016, 96, 280-288.	0.4	83
14	Risk of radiation-associated intracranial malignancy after stereotactic radiosurgery: a retrospective, multicentre, cohort study. <i>Lancet Oncology</i> , The, 2019, 20, 159-164.	5.1	80
15	Stereotactic Radiosurgery for Cushing Disease: Results of an International, Multicenter Study. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2017, 102, 4284-4291.	1.8	72
16	European consensus conference on unruptured brain AVMs treatment (Supported by EANS, ESMINT,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.9	61
17	Use of the Leksell gamma knife in the treatment of prolactinoma patients. <i>Clinical Endocrinology</i> , 2009, 70, 732-741.	1.2	56
18	Stereotactic Radiosurgery for Acromegaly: An International Multicenter Retrospective Cohort Study. <i>Neurosurgery</i> , 2019, 84, 717-725.	0.6	54

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19	Treatment of essential trigeminal neuralgia with gamma knife surgery. <i>Journal of Neurosurgery</i> , 2005, 102, 29-33.	0.9	53
20	Gamma knife surgery of brain cavernous hemangiomas. <i>Journal of Neurosurgery</i> , 2005, 102, 207-213.	0.9	52
21	Quality control of the stereotactic radiosurgery procedure with the polymer-gel dosimetry. <i>Radiotherapy and Oncology</i> , 2002, 63, 223-230.	0.3	51
22	Gamma knife surgery for cancer painâ€”pituitary glandâ€”stalk ablation: a multicenter prospective protocol since 2002. <i>Journal of Neurosurgery</i> , 2002, 97, 433-437.	0.9	48
23	The use of radiosurgery for the treatment of mesial temporal lobe epilepsy and longâ€”term results. <i>Epilepsia</i> , 2009, 50, 2061-2071.	2.6	45
24	Leksell Gamma Knife radiosurgery of the jugulotympanic glomus tumor: long-term results. <i>Journal of Neurosurgery</i> , 2014, 121, 198-202.	0.9	45
25	Is it possible to avoid hypopituitarism after irradiation of pituitary adenomas by the Leksell gamma knife?. <i>European Journal of Endocrinology</i> , 2011, 164, 169-178.	1.9	42
26	Role of Pituitary Radiosurgery for the Management of Intractable Pain and Potential Future Applications. <i>Stereotactic and Functional Neurosurgery</i> , 2003, 81, 75-83.	0.8	41
27	Fractionated stereotactic radiotherapy with the Leksell Gamma Knife: feasibility study. <i>Radiotherapy and Oncology</i> , 1995, 37, 108-116.	0.3	39
28	Repeated treatment of vestibular schwannomas after gamma knife radiosurgery. <i>Acta Neurochirurgica</i> , 2009, 151, 317-324.	0.9	37
29	An international multicenter matched cohort analysis of incidental meningioma progression during active surveillance or after stereotactic radiosurgery: the IMPASSE study. <i>Neuro-Oncology</i> , 2022, 24, 116-124.	0.6	37
30	Different Surgical Approaches for Mesial Temporal Epilepsy: Resection Extent, Seizure, and Neuropsychological Outcomes. <i>Stereotactic and Functional Neurosurgery</i> , 2014, 92, 372-380.	0.8	36
31	Metabolite and diffusion changes in the rat brain after Leksell Gamma Knife irradiation. <i>Magnetic Resonance in Medicine</i> , 2004, 52, 397-402.	1.9	34
32	Stereotactic radiosurgery for idiopathic glossopharyngeal neuralgia: an international multicenter study. <i>Journal of Neurosurgery</i> , 2016, 125, 147-153.	0.9	34
33	Prediction of intracranial edema after radiosurgery of meningiomas. <i>Journal of Neurosurgery</i> , 2006, 105, 120-126.	0.9	34
34	Gamma knife radiosurgery for Cushingâ€™s disease and Nelsonâ€™s syndrome. <i>Pituitary</i> , 2015, 18, 376-384.	1.6	33
35	Hypopituitarism after Gamma Knife radiosurgery for pituitary adenomas: a multicenter, international study. <i>Journal of Neurosurgery</i> , 2019, 131, 1188-1196.	0.9	31
36	Histology-Stratified Tumor Control and Patient Survival After Stereotactic Radiosurgery for Pineal Region Tumors: A Report From the International Gamma Knife Research Foundation. <i>World Neurosurgery</i> , 2017, 107, 974-982.	0.7	29

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37	Widespread and sustained target engagement in Huntingtonâ€™s disease minipigs upon intrastriatal microRNA-based gene therapy. <i>Science Translational Medicine</i> , 2021, 13, .	5.8	28
38	Stereotactic radiofrequency amygdalohippocampectomy for the treatment of mesial temporal lobe epilepsy: Correlation of MRI with clinical seizure outcome. <i>Epilepsy Research</i> , 2009, 83, 235-242.	0.8	27
39	Stereotactic radiofrequency amygdalohippocampectomy for the treatment of temporal lobe epilepsy: Do good neuropsychological and seizure outcomes correlate with hippocampal volume reduction?. <i>Epilepsy Research</i> , 2012, 102, 34-44.	0.8	27
40	Stereotactic radiofrequency amygdalohippocampectomy: Two years of good neuropsychological outcomes. <i>Epilepsy Research</i> , 2013, 106, 423-432.	0.8	26
41	Stereotactic radiosurgery for jugular foramen schwannomas: an international multicenter study. <i>Journal of Neurosurgery</i> , 2018, 129, 928-936.	0.9	26
42	Long-term seizure outcome after stereotactic amygdalohippocampectomy. <i>Acta Neurochirurgica</i> , 2014, 156, 1529-1537.	0.9	25
43	Treatment of postherpetic trigeminal neuralgia with the Leksell gamma knife. <i>Journal of Neurosurgery</i> , 2000, 93, 165-168.	0.9	25
44	Cognitive outcome after stereotactic amygdalohippocampectomy. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2012, 21, 327-333.	0.9	24
45	Stereotactic radiofrequency amygdalohippocampectomy: Does reduction of entorhinal and perirhinal cortices influence good clinical seizure outcome?. <i>Epilepsia</i> , 2011, 52, 932-940.	2.6	23
46	Medial Gamma Knife thalamotomy for intractable pain. <i>Journal of Neurosurgery</i> , 2018, 129, 72-76.	0.9	23
47	A comparison of the gamma knife model C and the Automatic Positioning System with Leksell model B. <i>Journal of Neurosurgery</i> , 2005, 102, 25-28.	0.9	22
48	Technique of Whole-Sellar Stereotactic Radiosurgery for Cushing Disease: Results from a Multicenter, International Cohort Study. <i>World Neurosurgery</i> , 2018, 116, e670-e679.	0.7	22
49	Role of Gamma Knife Radiosurgery in Small Cell Lung Cancer: A Multi-Institutional Retrospective Study of the International Radiosurgery Research Foundation (IRRF). <i>Neurosurgery</i> , 2020, 87, 664-671.	0.6	22
50	1H MR spectroscopy of mesial temporal lobe epilepsies treated with Gamma knife. <i>European Radiology</i> , 2003, 13, 994-1000.	2.3	21
51	Does new magnetic resonance imaging technology provide better geometrical accuracy during stereotactic imaging?. <i>Journal of Neurosurgery</i> , 2005, 102, 8-13.	0.9	21
52	Stereotactic Radiosurgery With Versus Without Embolization for Brain Arteriovenous Malformations. <i>Neurosurgery</i> , 2021, 88, 313-321.	0.6	21
53	Treatment of WHO Grade 2 Meningiomas With Stereotactic Radiosurgery: Identification of an Optimal Group for SRS Using RPA. <i>International Journal of Radiation Oncology Biology Physics</i> , 2021, 110, 804-814.	0.4	21
54	Transportation Dose and Doses to Extracranial Sites during Stereotactic Radiosurgery with the Leksell Gamma Knife. <i>Stereotactic and Functional Neurosurgery</i> , 1996, 66, 170-183.	0.8	20

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55	Dose response and architecture in volume staged radiosurgery for large arteriovenous malformations: A multi-institutional study. <i>Radiotherapy and Oncology</i> , 2020, 144, 180-188.	0.3	19
56	Low-grade gliomas treated by fractionated gamma knife surgery. <i>Journal of Neurosurgery</i> , 2005, 102, 19-24.	0.9	17
57	Role of gamma knife radiosurgery in the treatment of prolactinomas. <i>Pituitary</i> , 2019, 22, 411-421.	1.6	17
58	Stereotactic Radiosurgery for Atypical (World Health Organization II) and Anaplastic (World Health) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 <i>Neurosurgery</i> , 2021, 88, 980-988.	0.6	17
59	Radiosurgery for Large Arteriovenous Malformations as a Single-Session or Staged Treatment. <i>Stereotactic and Functional Neurosurgery</i> , 2015, 93, 342-347.	0.8	15
60	MRI-guided stereotactic amygdalohippocampectomy: a single center experience. <i>Neuropsychiatric Disease and Treatment</i> , 2015, 11, 359.	1.0	15
61	Leksell Gamma Knife treatment for pilocytic astrocytomas: long-term results. <i>Journal of Neurosurgery: Pediatrics</i> , 2016, 18, 58-64.	0.8	15
62	Upfront Gamma Knife radiosurgery for Cushingâ€™s disease and acromegaly: a multicenter, international study. <i>Journal of Neurosurgery</i> , 2019, 131, 532-538.	0.9	15
63	Microsurgical and Stereotactic Radiofrequency Amygdalohippocampectomy for the Treatment of Mesial Temporal Lobe Epilepsy: Different Volume Reduction, Similar Clinical Seizure Control. <i>Stereotactic and Functional Neurosurgery</i> , 2010, 88, 42-50.	0.8	14
64	Relationship between remnant hippocampus and amygdala and memory outcomes after stereotactic surgery for mesial temporal lobe epilepsy. <i>Neuropsychiatric Disease and Treatment</i> , 2015, 11, 2927.	1.0	14
65	Outcomes After Gamma Knife Stereotactic Radiosurgery in Pediatric Patients with Cushing Disease or Acromegaly: A Multi-Institutional Study. <i>World Neurosurgery</i> , 2019, 125, e1104-e1113.	0.7	14
66	Stereotactic Radiosurgery for Intracranial Ependymomas: An International Multicenter Study. <i>Neurosurgery</i> , 2019, 84, 227-234.	0.6	13
67	Late morphological changes after radiosurgery of brain arteriovenous malformations: an MRI study. <i>Acta Neurochirurgica</i> , 2016, 158, 1683-1690.	0.9	12
68	Repeat Stereotactic Radiosurgery for Progressive or Recurrent Vestibular Schwannomas. <i>Neurosurgery</i> , 2019, 85, 535-542.	0.6	12
69	Stereotactic radiosurgery with versus without prior Onyx embolization for brain arteriovenous malformations. <i>Journal of Neurosurgery</i> , 2021, 135, 742-750.	0.9	12
70	Stereotactic Radiosurgery for Periopic Meningiomas: An International, Multicenter Study. <i>Neurosurgery</i> , 2021, 88, 828-837.	0.6	11
71	Stereotactic Radiosurgery for Differentiated Thyroid Cancer Brain Metastases: An International, Multicenter Study. <i>Thyroid</i> , 2021, 31, 1244-1252.	2.4	11
72	Outcomes of stereotactic radiosurgery for pilocytic astrocytoma: an international multiinstitutional study. <i>Journal of Neurosurgery</i> , 2021, 134, 162-170.	0.9	11

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73	The benefit and risk of stereotactic radiosurgery for prolactinomas: an international multicenter cohort study. <i>Journal of Neurosurgery</i> , 2020, 133, 717-726.	0.9	11
74	Stereotactic radiosurgery for central neurocytomas: an international multicenter retrospective cohort study. <i>Journal of Neurosurgery</i> , 2020, 134, 1-10.	0.9	11
75	Gamma Knife Radiosurgery of Brain Cavernomas. <i>Acta Neurochirurgica Supplementum</i> , 2013, 116, 107-111.	0.5	11
76	A comparison of the gamma knife model C and the Automatic Positioning System with Leksell model B. <i>Journal of Neurosurgery</i> , 2005, 102, 25-28.	0.9	10
77	Repeat stereotactic radiosurgery for Cushing's disease: outcomes of an international, multicenter study. <i>Journal of Neuro-Oncology</i> , 2018, 138, 519-525.	1.4	10
78	Evaluation of Geometric and Dosimetric Inaccuracies of Stereotactic Irradiation in the Rat Brain. <i>Stereotactic and Functional Neurosurgery</i> , 2002, 79, 57-74.	0.8	9
79	Morphological changes after radiosurgery for mesial temporal lobe epilepsy. <i>Acta Neurochirurgica</i> , 2015, 157, 1783-1792.	0.9	9
80	Embolization of Brain Arteriovenous Malformations With Versus Without Onyx Before Stereotactic Radiosurgery. <i>Neurosurgery</i> , 2020, 88, 366-374.	0.6	9
81	Early versus late Gamma Knife radiosurgery for Cushing's disease after prior resection: results of an international, multicenter study. <i>Journal of Neurosurgery</i> , 2021, 134, 807-815.	0.9	9
82	Dose to neuroanatomical structures surrounding pituitary adenomas and the effect of stereotactic radiosurgery on neuroendocrine function: an international multicenter study. <i>Journal of Neurosurgery</i> , 2022, 136, 813-821.	0.9	9
83	Does new magnetic resonance imaging technology provide better geometrical accuracy during stereotactic imaging?. <i>Journal of Neurosurgery</i> , 2005, 102, 8-13.	0.9	9
84	Effect of Anatomic Segment Involvement on Stereotactic Radiosurgery for Facial Nerve Schwannomas: An International Multicenter Cohort Study. <i>Neurosurgery</i> , 2021, 88, E91-E98.	0.6	7
85	Assessment of MR stereotactic imaging and image co-registration accuracy for 3 different MR scanners by 3 different methods/phantoms: phantom and patient study. <i>Journal of Neurosurgery</i> , 2018, 129, 125-132.	0.9	7
86	Low-grade gliomas treated by fractionated gamma knife surgery. <i>Journal of Neurosurgery</i> , 2005, 102, 19-24.	0.9	6
87	Stereotactic Radiosurgery of Pituitary Adenomas. <i>Neurosurgery Clinics of North America</i> , 2013, 24, 509-519.	0.8	6
88	A neurosurgeon's view: Outcome after RF-ablation for mTLE. <i>Epilepsy Research</i> , 2018, 142, 126-130.	0.8	6
89	Outcomes after stereotactic radiosurgery for schwannomas of the oculomotor, trochlear, and abducens nerves. <i>Journal of Neurosurgery</i> , 2021, 135, 1044-1050.	0.9	6
90	Gamma Knife radiosurgery for the treatment of Nelson's syndrome: a multicenter, international study. <i>Journal of Neurosurgery</i> , 2020, 133, 336-341.	0.9	6

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91	Radiosurgery of Brain Cavernomas – Long-Term Results. <i>Progress in Neurological Surgery</i> , 2012, 27, 147-156.	1.3	5
92	Safety and efficacy of repeat radiosurgery for acromegaly: an International Multi-Institutional Study. <i>Journal of Neuro-Oncology</i> , 2019, 145, 301-307.	1.4	5
93	Clinical and radiologic outcomes after stereotactic radiosurgery for meningiomas in direct contact with the optic apparatus: an international multicenter study. <i>Journal of Neurosurgery</i> , 2022, 136, 1070-1076.	0.9	5
94	Earlier radiosurgery leads to better pain relief and less medication usage for trigeminal neuralgia patients: an international multicenter study. <i>Journal of Neurosurgery</i> , 2020, 135, 237-244.	0.9	5
95	Stereotactic Radiosurgery for Olfactory Groove Meningiomas: An International, Multicenter Study. <i>Neurosurgery</i> , 2021, 89, 784-791.	0.6	4
96	Stereotactic radiosurgery for treatment of radiation-induced meningiomas: a multiinstitutional study. <i>Journal of Neurosurgery</i> , 2021, 135, 862-870.	0.9	4
97	Stereotactic Radiosurgery for Choroid Plexus Tumors: A Report of the International Radiosurgery Research Foundation. <i>Neurosurgery</i> , 2021, 88, 791-796.	0.6	4
98	Gamma knife radiosurgery for local recurrence of glioblastoma. <i>Neuroendocrinology Letters</i> , 2018, 39, 281-287.	0.2	4
99	307 Stereotactic Radiosurgery for Pediatric Intracranial Ependymomas. <i>Neurosurgery</i> , 2018, 65, 124-125.	0.6	3
100	Whole Sella vs Targeted Stereotactic Radiosurgery for Acromegaly: A Multicenter Matched Cohort Study. <i>Neurosurgery</i> , 2020, 86, 656-664.	0.6	3
101	Adverse radiation effects in volume-staged radiosurgery for large arteriovenous malformations: a multiinstitutional study. <i>Journal of Neurosurgery</i> , 2022, 136, 503-511.	0.9	3
102	Stereotactic radiosurgery for asymptomatic petroclival region meningiomas: a focused analysis from the IMPASSE study. <i>Acta Neurochirurgica</i> , 2021, , 1.	0.9	3
103	Ocular and Orbital Lesions. , 2008, , 593-610.		2
104	Use of gamma knife radiosurgery for intracranial tumors. <i>Expert Review of Neurotherapeutics</i> , 2002, 2, 481-489.	1.4	1
105	Combined treatment of a medulla oblongata hemangioblastoma via permanent cysto-cisternal drainage and (postponed) gamma knife radiosurgery: a case report and review of the literature. <i>International Journal of Neuroscience</i> , 2020, , 1-5.	0.8	1
106	Dentate nucleus as a suitable target for stereotactic thermolesion in central poststroke pain: Case report. <i>Clinical Neurology and Neurosurgery</i> , 2020, 195, 105850.	0.6	1
107	Convexity Meningiomas in Patients with Neurofibromatosis Type 2: Long-Term Outcomes After Gamma Knife Radiosurgery. <i>World Neurosurgery</i> , 2021, 146, e678-e684.	0.7	1
108	Gamma Knife Radiosurgery of Distal Aneurysm: A Case Series. <i>Stereotactic and Functional Neurosurgery</i> , 2021, 99, 381-386.	0.8	1

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109	Stereotactic radiosurgery for clinoid meningiomas: a multi-institutional study. Acta Neurochirurgica, 2021, 163, 2861-2869.	0.9	1
110	http://www.csnn.eu/en/czech-slovak-neurology-article/gamma-knife-treatment-of-pain-syndromes-of-the-glossopharyngeal-area-58267 . Ceska A Slovenska Neurologie A Neurochirurgie, 2016, 79/112, 331-335.	0.9	1
111	Assessment of the Accuracy in Ophthalmic Radiosurgery. , 2006, 6, 71-85.		0
112	Comparison of Different Techniques for Stereotactic Positron Emission Tomography Imaging. Stereotactic and Functional Neurosurgery, 2008, 86, 30-36.	0.8	0
113	Letter to the Editor: Minimally invasive technique for epilepsy surgery. Journal of Neurosurgery, 2015, 122, 1513-1514.	0.9	0
114	RONC-10. OUTCOMES OF STEREOTACTIC RADIOSURGERY FOR PILOCYTIC ASTROCYTOMA: AN INTERNATIONAL MULTICENTER STUDY. Neuro-Oncology, 2018, 20, i176-i176.	0.6	0
115	Radiosurgery: Fair Treatment Option for Inoperable Brain Vascular Lesions. Stereotactic and Functional Neurosurgery, 2021, 99, 456-457.	0.8	0
116	Ocular and Orbital Lesions. , 2015, , 743-764.		0
117	Gamma knife stereotactic radiosurgery in recurrent or residual glioblastoma multiforme – our experience in two neurosurgical units. Ceska A Slovenska Neurologie A Neurochirurgie, 2018, 81/114, 556-562.	0.0	0
118	Radiological and clinical outcomes of stereotactic radiosurgery for gangliogliomas: an international multicenter study. Journal of Neurosurgery, 2022, 137, 1248-1253.	0.9	0