

John R Adler Jr

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

113
papers

5,314
citations

36
h-index

72
g-index

119
ext. papers

5,912
ext. citations

2.5
avg, IF

5.1
L-index

#	Paper	IF	Citations
113	Clinical outcome of radiosurgery for cerebral arteriovenous malformations. <i>Journal of Neurosurgery</i> , 1992 , 77, 1-8	3.2	461
112	Robotic Motion Compensation for Respiratory Movement during Radiosurgery. <i>Computer Aided Surgery</i> , 2000 , 5, 263-277		290
111	Image-guided hypo-fractionated stereotactic radiosurgery to spinal lesions. <i>Neurosurgery</i> , 2001 , 49, 838-846		253
110	Stereotactic radiosurgery of the postoperative resection cavity for brain metastases. <i>International Journal of Radiation Oncology Biology Physics</i> , 2008 , 70, 187-93	4	245
109	Characterization of spatial distortion in magnetic resonance imaging and its implications for stereotactic surgery. <i>Neurosurgery</i> , 1994 , 35, 696-703; discussion 703-4	3.2	224
108	Image-guided Robotic Radiosurgery. <i>Neurosurgery</i> , 1999 , 44, 1299-1306	3.2	222
107	Stereotactic radiosurgical treatment of brain metastases. <i>Journal of Neurosurgery</i> , 1992 , 76, 444-9	3.2	206
106	Image-guided Hypo-fractionated Stereotactic Radiosurgery to Spinal Lesions. <i>Neurosurgery</i> , 2001 , 49, 838-846	3.2	180
105	Staged stereotactic irradiation for acoustic neuroma. <i>Neurosurgery</i> , 2005 , 56, 1254-61; discussion 1261-3	3.2	178
104	Image-guided robotic radiosurgery for spinal metastases. <i>Radiotherapy and Oncology</i> , 2007 , 82, 185-90	5.3	160
103	Visual field preservation after multisession cyberknife radiosurgery for perioptic lesions. <i>Neurosurgery</i> , 2006 , 59, 244-54; discussion 244-54	3.2	160
102	Treatment of cranial base meningiomas with linear accelerator radiosurgery. <i>Neurosurgery</i> , 1997 , 41, 1019-25; discussion 1025-7	3.2	139
101	Patterns of patient movement during frameless image-guided radiosurgery. <i>International Journal of Radiation Oncology Biology Physics</i> , 2003 , 55, 1400-8	4	139
100	Delayed radiation-induced myelopathy after spinal radiosurgery. <i>Neurosurgery</i> , 2009 , 64, A67-72	3.2	133
99	CyberKnife radiosurgery for benign intradural extramedullary spinal tumors. <i>Neurosurgery</i> , 2006 , 58, 674-85; discussion 674-85	3.2	130
98	An anthropomorphic phantom study of the accuracy of Cyberknife spinal radiosurgery. <i>Neurosurgery</i> , 2004 , 55, 1138-49	3.2	119
97	Image-Guided Radiosurgery for the Spine and Pancreas. <i>Computer Aided Surgery</i> , 2000 , 5, 278-288		110

96	Robotic motion compensation for respiratory movement during radiosurgery. <i>Computer Aided Surgery</i> , 2000 , 5, 263-277		108
95	Stereotactic radiosurgery for treatment of spinal metastases recurring in close proximity to previously irradiated spinal cord. <i>International Journal of Radiation Oncology Biology Physics</i> , 2010 , 78, 499-506	4	104
94	Multisession CyberKnife radiosurgery for intramedullary spinal cord arteriovenous malformations. <i>Neurosurgery</i> , 2006 , 58, 1081-9; discussion 1081-9	3.2	101
93	Stereotactic radiosurgery of angiographically occult vascular malformations: 14-year experience. <i>Neurosurgery</i> , 1998 , 43, 213-20; discussion 220-1	3.2	90
92	Robotic motion compensation for respiratory movement during radiosurgery. <i>Computer Aided Surgery</i> , 2000 , 5, 263-77		90
91	Preliminary visual field preservation after staged CyberKnife radiosurgery for perioptic lesions. <i>Neurosurgery</i> , 2004 , 54, 799-810; discussion 810-2	3.2	83
90	A study of the accuracy of cyberknife spinal radiosurgery using skeletal structure tracking. <i>Operative Neurosurgery</i> , 2007 , 60, ONS147-56; discussion ONS156	1.6	75
89	Multisession stereotactic radiosurgery for vestibular schwannomas: single-institution experience with 383 cases. <i>Neurosurgery</i> , 2011 , 69, 1200-9	3.2	67
88	Stereotactic radiosurgery yields long-term control for benign intradural, extramedullary spinal tumors. <i>Neurosurgery</i> , 2011 , 69, 533-9; discussion 539	3.2	58
87	Repeat Courses of Stereotactic Radiosurgery (SRS), Deferring Whole-Brain Irradiation, for New Brain Metastases After Initial SRS. <i>International Journal of Radiation Oncology Biology Physics</i> , 2015 , 92, 993-999	4	55
86	Tolerance of the spinal cord to stereotactic radiosurgery: insights from hemangioblastomas. <i>International Journal of Radiation Oncology Biology Physics</i> , 2011 , 80, 213-20	4	53
85	Multisession cyberknife stereotactic radiosurgery of large, benign cranial base tumors: preliminary study. <i>Neurosurgery</i> , 2009 , 65, 898-907; discussion 907	3.2	53
84	Radiation therapy and CyberKnife radiosurgery in the management of craniopharyngiomas. <i>Neurosurgical Focus</i> , 2008 , 24, E4	4.2	52
83	Toward an expanded view of radiosurgery. <i>Neurosurgery</i> , 2004 , 55, 1374-6	3.2	52
82	MR geometric distortion correction for improved frame-based stereotaxic target localization accuracy. <i>Magnetic Resonance in Medicine</i> , 1995 , 34, 106-13	4.4	45
81	Radiosurgery for palliation of base of skull recurrences from head and neck cancers. <i>Cancer</i> , 1992 , 70, 1980-4	6.4	43
80	Nonisocentric radiosurgical rhizotomy for trigeminal neuralgia. <i>Neurosurgery</i> , 2009 , 64, A84-90	3.2	42
79	Image-guided radiosurgical ablation of intra- and extra-cranial lesions. <i>Technology in Cancer Research and Treatment</i> , 2006 , 5, 421-8	2.7	41

78	Acute hearing loss following fractionated stereotactic radiosurgery for acoustic neuroma. Report of two cases. <i>Journal of Neurosurgery</i> , 1998 , 89, 321-5	3.2	36
77	Image guided stereotactic radiosurgery for lesions in proximity to the anterior visual pathways: a preliminary report. <i>Technology in Cancer Research and Treatment</i> , 2002 , 1, 173-80	2.7	34
76	Estimated Risk Level of Unified Stereotactic Body Radiation Therapy Dose Tolerance Limits for Spinal Cord. <i>Seminars in Radiation Oncology</i> , 2016 , 26, 165-71	5.5	33
75	Dose-Response Modeling of the Visual Pathway Tolerance to Single-Fraction and Hypofractionated Stereotactic Radiosurgery. <i>Seminars in Radiation Oncology</i> , 2016 , 26, 97-104	5.5	32
74	Stereotactic, angiography-guided clipping of a distal, mycotic intracranial aneurysm using the Cosman-Roberts-Wells system: technical note. <i>Neurosurgery</i> , 1992 , 30, 408-11	3.2	31
73	Cochlea radiation dose correlates with hearing loss after stereotactic radiosurgery of vestibular schwannoma. <i>World Neurosurgery</i> , 2013 , 80, 359-63	2.1	28
72	Intensity-based 2D-3D spine image registration incorporating a single fiducial marker. <i>Academic Radiology</i> , 2005 , 12, 37-50	4.3	27
71	Registration error quantification of a surface-based multimodality image fusion system. <i>Medical Physics</i> , 1995 , 22, 1049-56	4.4	26
70	Image-guided radiosurgery for the spine and pancreas. <i>Computer Aided Surgery</i> , 2000 , 5, 278-88		25
69	Resampling: an optimization method for inverse planning in robotic radiosurgery. <i>Medical Physics</i> , 2006 , 33, 4005-11	4.4	24
68	Stereotactic Radiosurgery for Resected Brain Metastases: Single-Institutional Experience of Over 500 Cavities. <i>International Journal of Radiation Oncology Biology Physics</i> , 2020 , 106, 764-771	4	24
67	Visual field preservation after multisession cyberknife radiosurgery for perioptic lesions. <i>Neurosurgery</i> , 2008 , 62 Suppl 2, 733-43	3.2	22
66	Stereotactic radiosurgery of cranial nonvestibular schwannomas: results of single- and multisession radiosurgery. <i>Neurosurgery</i> , 2011 , 68, 1200-8; discussion 1208	3.2	21
65	Normal tissue complication probability estimation by the Lyman-Kutcher-Burman method does not accurately predict spinal cord tolerance to stereotactic radiosurgery. <i>International Journal of Radiation Oncology Biology Physics</i> , 2012 , 82, 2025-32	4	20
64	Stereotactic radiosurgery using CT cisternography and non-isocentric planning for the treatment of trigeminal neuralgia. <i>Computer Aided Surgery</i> , 2006 , 11, 11-20		20
63	CyberKnife radiosurgery for lesions of the foramen magnum. <i>Technology in Cancer Research and Treatment</i> , 2007 , 6, 329-36	2.7	18
62	Embolization Followed by Radiosurgery for the Treatment of Brain Arteriovenous Malformations (AVMs). <i>World Neurosurgery</i> , 2017 , 99, 471-476	2.1	17
61	Method for correcting magnetic resonance image distortion for frame-based stereotactic surgery, with preliminary results. <i>Journal of Image Guided Surgery</i> , 1995 , 1, 151-7		16

60	Stereotactic radiosurgery for intramedullary spinal arteriovenous malformations. <i>Journal of Clinical Neuroscience</i> , 2016 , 29, 162-7	2.2	15
59	Foraminal nerve sheath tumors: intermediate follow-up after cyberknife radiosurgery. <i>Neurosurgery</i> , 2009 , 64, A33-43	3.2	15
58	Cyberknife stereotactic radiosurgical rhizotomy for trigeminal neuralgia: anatomic and morphological considerations. <i>Neurosurgery</i> , 2009 , 64, A91-5	3.2	15
57	Technology Insight: image-guided robotic radiosurgery--a new approach for noninvasive ablation of spinal lesions. <i>Nature Clinical Practice Oncology</i> , 2008 , 5, 405-14		14
56	Treatment Planning for Self-Shielded Radiosurgery. <i>Cureus</i> , 2017 , 9, e1663	1.2	13
55	Remote-Rendered 3D CT Angiography (3DCTA) as an Intraoperative Aid in Cerebrovascular Neurosurgery. <i>Computer Aided Surgery</i> , 1999 , 4, 256-263		12
54	Phase 1/2 Trial of 5-Fraction Stereotactic Radiosurgery With 5-mm Margins With Concurrent and Adjuvant Temozolomide in Newly Diagnosed Supratentorial Glioblastoma: Health-Related Quality of Life Results. <i>International Journal of Radiation Oncology Biology Physics</i> , 2017 , 98, 123-130	4	11
53	Is Equipment Development Stifling Innovation in Radiation Oncology?. <i>International Journal of Radiation Oncology Biology Physics</i> , 2015 , 92, 713-4	4	11
52	Cyberknife radiosurgery for trigeminal schwannomas. <i>Neurosurgery</i> , 2009 , 64, A14-8	3.2	10
51	Analysis of the proliferative potential of residual tumor after radiosurgery for intraparenchymal brain metastases. <i>Journal of Neurosurgery</i> , 1996 , 85, 667-71	3.2	10
50	Characterization of a Novel 3 Megavolt Linear Accelerator for Dedicated Intracranial Stereotactic Radiosurgery. <i>Cureus</i> , 2019 , 11, e4275	1.2	10
49	Response to the editorials. <i>Journal of Neurosurgery</i> , 2010 , 113, 9	3.2	8
48	Image-Guided Spinal Stereotactic Radiosurgery. <i>Techniques in Neurosurgery</i> , 2003 , 8, 56-64		8
47	A new age of peer reviewed scientific journals 2012 , 3, 145		8
46	Characterization of a Novel Revolving Radiation Collimator. <i>Cureus</i> , 2018 , 10, e2146	1.2	8
45	Milestones in stereotactic radiosurgery for the central nervous system. <i>Journal of Clinical Neuroscience</i> , 2019 , 59, 12-19	2.2	8
44	CyberKnife rhizotomy for facetogenic back pain: a pilot study. <i>Neurosurgical Focus</i> , 2007 , 23, E2	4.2	7
43	Self-Shielding Analysis of the Zap-X System. <i>Cureus</i> , 2017 , 9, e1917	1.2	7

42	Impact of CyberKnife Radiosurgery on Overall Survival and Various Parameters of Patients with 1-3 versus 4 Brain Metastases. <i>Cureus</i> , 2017 , 9, e1798	1.2	6
41	Stereotactic radiosurgery for non-vestibular cranial nerve schwannomas. <i>Journal of Neuro-Oncology</i> , 2017 , 131, 177-183	4.8	6
40	Long-Term Update of Stereotactic Radiosurgery for Benign Spinal Tumors. <i>Neurosurgery</i> , 2019 , 85, 708-716	3.1	6
39	Remote-rendered 3D CT angiography (3DCTA) as an intraoperative aid in cerebrovascular neurosurgery. <i>Computer Aided Surgery</i> , 1999 , 4, 256-63		6
38	Surgical guidance now and in the future: the next generation of instrumentation. <i>Clinical Neurosurgery</i> , 2002 , 49, 105-14		6
37	High Dose Gamma Radiation Selectively Reduces GABAA-slow Inhibition. <i>Cureus</i> , 2017 , 9, e1076	1.2	5
36	Radiographic Rate and Clinical Impact of Pseudarthrosis in Spine Radiosurgery for Metastatic Spinal Disease. <i>Cureus</i> , 2018 , 10, e3631	1.2	5
35	Clinical Efficacy of Frameless Stereotactic Radiosurgery in the Management of Spinal Metastases From Thyroid Carcinoma. <i>Spine</i> , 2019 , 44, E1188-E1195	3.3	5
34	Accuray, incorporated: a neurosurgical business case study. <i>Clinical Neurosurgery</i> , 2005 , 52, 87-96		5
33	Clinical Considerations in Neurosurgical Radiosurgery in the Time of COVID-19. <i>Cureus</i> , 2020 , 12, e7671	1.2	4
32	Impact of CyberKnife Radiosurgery on Median Overall Survival of Various Parameters in Patients with 1-12 Brain Metastases. <i>Cureus</i> , 2017 , 9, e1926	1.2	4
31	Radiosurgical Treatment Verification Using Removable Megavoltage Radiation Detectors. <i>Cureus</i> , 2017 , 9, e1889	1.2	4
30	Alteration of Interneuron Immunoreactivity and Autophagic Activity in Rat Hippocampus after Single High-Dose Whole-Brain Irradiation. <i>Cureus</i> , 2017 , 9, e1414	1.2	4
29	An overview of cyberknife radiosurgery. <i>Chinese Journal of Clinical Oncology</i> , 2006 , 3, 229-243		3
28	CyberKnife radiosurgery for brain and spinal tumors. <i>International Congress Series</i> , 2002 , 1247, 545-552		3
27	A Perspective of International Collaboration Through Web-Based Telecommunication-Inspired by COVID-19 Crisis. <i>Frontiers in Human Neuroscience</i> , 2020 , 14, 577465	3.3	3
26	Radionecrosis and cellular changes in small volume stereotactic brain radiosurgery in a porcine model. <i>Scientific Reports</i> , 2020 , 10, 16223	4.9	3
25	Neuromodulation via Focal Radiation: Radiomodulation Update. <i>Cureus</i> , 2021 , 13, e14700	1.2	3

24	The Zap-X Radiosurgical System in the Treatment of Intracranial Tumors: A Technical Case Report. <i>Neurosurgery</i> , 2021 , 88, E351-E355	3.2	3
23	Current treatment of patients with multiple brain metastases. <i>Neurosurgical Focus</i> , 2000 , 9, 1-5	4.2	2
22	Stereotactic radiosurgery in patients with multiple brain metastases. <i>Neurosurgical Focus</i> , 2000 , 9, 1-5	4.2	2
21	Treatment of cavernous sinus tumors with linear accelerator radiosurgery. <i>Skull Base</i> , 1999 , 9, 195-200		2
20	Patents and Innovation Among Neurosurgeons from the American Association of Neurological Surgeons. <i>Cureus</i> , 2020 , 12, e7031	1.2	2
19	Vestibular Migraine Following Radiosurgery for Vestibular Schwannoma. <i>Cureus</i> , 2020 , 12, e8569	1.2	2
18	Stereotactic radiosurgery using CT cisternography and non-isocentric planning for the treatment of trigeminal neuralgia		2
17	An Intracortical Implantable Brain-Computer Interface for Telemetric Real-Time Recording and Manipulation of Neuronal Circuits for Closed-Loop Intervention. <i>Frontiers in Human Neuroscience</i> , 2021 , 15, 618626	3.3	2
16	CyberKnife 2015 , 147-161		1
15	A Novel Approach for Treatment of Uterine Fibroids: Stereotactic Radiosurgery as a Proposed Treatment Modality. <i>Current Obstetrics and Gynecology Reports</i> , 2020 , 9, 1-6	0.6	1
14	Method for Correcting Magnetic Resonance Image Distortion for Frame-Based Stereotactic Surgery, with Preliminary Results. <i>Computer Aided Surgery</i> , 1995 , 1, 151-157		1
13	ZAP-X: A Novel Radiosurgical Device for the Treatment of Trigeminal Neuralgia. <i>Cureus</i> , 2020 , 12, e8324	1.2	1
12	Self-Shielding for the ZAP-X [®] : Revised Characterization and Evaluation. <i>Cureus</i> , 2021 , 13, e13660	1.2	1
11	The Stanford stereotactic radiosurgery experience on 7000 patients over 2 decades (1999-2018): looking far beyond the scalpel. <i>Journal of Neurosurgery</i> , 2021 , 1-17	3.2	1
10	Effects of Focal Ionizing Radiation of the Squid Stellate Ganglion on Synaptic and Axonal Transmission in the Giant-Fiber Pathway. <i>Cureus</i> , 2021 , 13, e13110	1.2	1
9	CyberKnife Radiosurgery 2008 , 171-178		1
8	Potential Clinical Significance of Overall Targeting Accuracy and Motion Management in the Treatment of Tumors That Move With Respiration: Lessons Learnt From a Quarter Century of Stereotactic Body Radiotherapy From Dose Response Models. <i>Frontiers in Oncology</i> , 2020 , 10, 591430	5.3	0
7	Image-Guided Radiosurgery and Stereotactic Radiotherapy 2015 , 365-374		

- 6 In Reply to Rudoltz and Goldwein et al. *International Journal of Radiation Oncology Biology Physics*, **2015**, 93, 935-6 4
- 5 CyberKnife Radiosurgery for Spinal Neoplasms **2012**, 1173-1180
- 4 Radiation Therapy and Radiosurgery in the Management of Craniopharyngiomas **2011**, 1187-1192
- 3 CyberKnife radiosurgery can control recurrent epidermoid cysts of the central nervous system. *Journal of Radiosurgery and SBRT*, **2011**, 1, 247-252 0.4
- 2 Cyberknife □ Radiosurgical Ablation of Meningiomas **2010**, 657-666
- 1 Lichenoid Keratosis Skin Biopsy: A Case Report of Malignant Hospital Charges. *Cureus*, **2021**, 13, e13292 1.2