

John R Adler Jr

List of Publications by Year in Descending Order

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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	Self-Shielding for the ZAP-X [®] : Revised Characterization and Evaluation. <i>Cureus</i> , 2021 , 13, e13660	1.2	1
112	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
111	Neuromodulation via Focal Radiation: Radiomodulation Update. <i>Cureus</i> , 2021 , 13, e14700	1.2	3
110	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
109	Lichenoid Keratosis Skin Biopsy: A Case Report of Malignant Hospital Charges. <i>Cureus</i> , 2021 , 13, e13292	1.2	
108	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
107	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
106	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
105	Clinical Considerations in Neurosurgical Radiosurgery in the Time of COVID-19. <i>Cureus</i> , 2020 , 12, e7671	1.2	4
104	Patents and Innovation Among Neurosurgeons from the American Association of Neurological Surgeons. <i>Cureus</i> , 2020 , 12, e7031	1.2	2
103	ZAP-X: A Novel Radiosurgical Device for the Treatment of Trigeminal Neuralgia. <i>Cureus</i> , 2020 , 12, e8324	1.2	1
102	Vestibular Migraine Following Radiosurgery for Vestibular Schwannoma. <i>Cureus</i> , 2020 , 12, e8569	1.2	2
101	Stereotactic Radiosurgery for Resected Brain Metastases: Single-Institutional Experience Over 500 Cavities. <i>International Journal of Radiation Oncology Biology Physics</i> , 2020 , 106, 764-771	4	24
100	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
99	Radionecrosis and cellular changes in small volume stereotactic brain radiosurgery in a porcine model. <i>Scientific Reports</i> , 2020 , 10, 16223	4.9	3
98	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
97	Characterization of a Novel 3 Megavolt Linear Accelerator for Dedicated Intracranial Stereotactic Radiosurgery. <i>Cureus</i> , 2019 , 11, e4275	1.2	10

96	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
95	Long-Term Update of Stereotactic Radiosurgery for Benign Spinal Tumors. <i>Neurosurgery</i> , 2019 , 85, 708-716	3.1	6
94	Milestones in stereotactic radiosurgery for the central nervous system. <i>Journal of Clinical Neuroscience</i> , 2019 , 59, 12-19	2.2	8
93	Characterization of a Novel Revolving Radiation Collimator. <i>Cureus</i> , 2018 , 10, e2146	1.2	8
92	Radiographic Rate and Clinical Impact of Pseudarthrosis in Spine Radiosurgery for Metastatic Spinal Disease. <i>Cureus</i> , 2018 , 10, e3631	1.2	5
91	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
90	Embolization Followed by Radiosurgery for the Treatment of Brain Arteriovenous Malformations (AVMs). <i>World Neurosurgery</i> , 2017 , 99, 471-476	2.1	17
89	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
88	Stereotactic radiosurgery for non-vestibular cranial nerve schwannomas. <i>Journal of Neuro-Oncology</i> , 2017 , 131, 177-183	4.8	6
87	High Dose Gamma Radiation Selectively Reduces GABAA-slow Inhibition. <i>Cureus</i> , 2017 , 9, e1076	1.2	5
86	Treatment Planning for Self-Shielded Radiosurgery. <i>Cureus</i> , 2017 , 9, e1663	1.2	13
85	Self-Shielding Analysis of the Zap-X System. <i>Cureus</i> , 2017 , 9, e1917	1.2	7
84	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
83	Radiosurgical Treatment Verification Using Removable Megavoltage Radiation Detectors. <i>Cureus</i> , 2017 , 9, e1889	1.2	4
82	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
81	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
80	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
79	Stereotactic radiosurgery for intramedullary spinal arteriovenous malformations. <i>Journal of Clinical Neuroscience</i> , 2016 , 29, 162-7	2.2	15

78	Is Equipment Development Stifling Innovation in Radiation Oncology?. <i>International Journal of Radiation Oncology Biology Physics</i> , 2015 , 92, 713-4	4	11
77	CyberKnife 2015 , 147-161		1
76	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
75	Image-Guided Radiosurgery and Stereotactic Radiotherapy 2015 , 365-374		
74	In Reply to Rudoltz and Goldwein et al. <i>International Journal of Radiation Oncology Biology Physics</i> , 2015 , 93, 935-6	4	
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	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
71	CyberKnife Radiosurgery for Spinal Neoplasms 2012 , 1173-1180		
70	A new age of peer reviewed scientific journals 2012 , 3, 145		8
69	Radiation Therapy and Radiosurgery in the Management of Craniopharyngiomas 2011 , 1187-1192		
68	Stereotactic radiosurgery of cranial nonvestibular schwannomas: results of single- and multisession radiosurgery. <i>Neurosurgery</i> , 2011 , 68, 1200-8; discussion 1208	3.2	21
67	Stereotactic radiosurgery yields long-term control for benign intradural, extramedullary spinal tumors. <i>Neurosurgery</i> , 2011 , 69, 533-9; discussion 539	3.2	58
66	Multisession stereotactic radiosurgery for vestibular schwannomas: single-institution experience with 383 cases. <i>Neurosurgery</i> , 2011 , 69, 1200-9	3.2	67
65	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
64	CyberKnife radiosurgery can control recurrent epidermoid cysts of the central nervous system. <i>Journal of Radiosurgery and SBRT</i> , 2011 , 1, 247-252	0.4	
63	Response to the editorials. <i>Journal of Neurosurgery</i> , 2010 , 113, 9	3.2	8
62	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
61	Cyberknife Radiosurgical Ablation of Meningiomas 2010 , 657-666		

60	Multisession cyberknife stereotactic radiosurgery of large, benign cranial base tumors: preliminary study. <i>Neurosurgery</i> , 2009 , 65, 898-907; discussion 907	3.2	53
59	Foraminal nerve sheath tumors: intermediate follow-up after cyberknife radiosurgery. <i>Neurosurgery</i> , 2009 , 64, A33-43	3.2	15
58	Cyberknife radiosurgery for trigeminal schwannomas. <i>Neurosurgery</i> , 2009 , 64, A14-8	3.2	10
57	Cyberknife stereotactic radiosurgical rhizotomy for trigeminal neuralgia: anatomic and morphological considerations. <i>Neurosurgery</i> , 2009 , 64, A91-5	3.2	15
56	Nonisocentric radiosurgical rhizotomy for trigeminal neuralgia. <i>Neurosurgery</i> , 2009 , 64, A84-90	3.2	42
55	Delayed radiation-induced myelopathy after spinal radiosurgery. <i>Neurosurgery</i> , 2009 , 64, A67-72	3.2	133
54	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
53	Radiation therapy and CyberKnife radiosurgery in the management of craniopharyngiomas. <i>Neurosurgical Focus</i> , 2008 , 24, E4	4.2	52
52	Visual field preservation after multisession cyberknife radiosurgery for perioptic lesions. <i>Neurosurgery</i> , 2008 , 62 Suppl 2, 733-43	3.2	22
51	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
50	CyberKnife Radiosurgery 2008 , 171-178		1
49	CyberKnife rhizotomy for facetogenic back pain: a pilot study. <i>Neurosurgical Focus</i> , 2007 , 23, E2	4.2	7
48	CyberKnife radiosurgery for lesions of the foramen magnum. <i>Technology in Cancer Research and Treatment</i> , 2007 , 6, 329-36	2.7	18
47	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
46	Image-guided robotic radiosurgery for spinal metastases. <i>Radiotherapy and Oncology</i> , 2007 , 82, 185-90	5.3	160
45	An overview of cyberknife radiosurgery. <i>Chinese Journal of Clinical Oncology</i> , 2006 , 3, 229-243		3
44	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
43	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

42	Resampling: an optimization method for inverse planning in robotic radiosurgery. <i>Medical Physics</i> , 2006 , 33, 4005-11	4.4	24
41	Multisession CyberKnife radiosurgery for intramedullary spinal cord arteriovenous malformations. <i>Neurosurgery</i> , 2006 , 58, 1081-9; discussion 1081-9	3.2	101
40	CyberKnife radiosurgery for benign intradural extramedullary spinal tumors. <i>Neurosurgery</i> , 2006 , 58, 674-85; discussion 674-85	3.2	130
39	Visual field preservation after multisession cyberknife radiosurgery for perioptic lesions. <i>Neurosurgery</i> , 2006 , 59, 244-54; discussion 244-54	3.2	160
38	Intensity-based 2D-3D spine image registration incorporating a single fiducial marker. <i>Academic Radiology</i> , 2005 , 12, 37-50	4.3	27
37	Staged stereotactic irradiation for acoustic neuroma. <i>Neurosurgery</i> , 2005 , 56, 1254-61; discussion 1261-33	3.2	178
36	Accuray, incorporated: a neurosurgical business case study. <i>Clinical Neurosurgery</i> , 2005 , 52, 87-96		5
35	An anthropomorphic phantom study of the accuracy of Cyberknife spinal radiosurgery. <i>Neurosurgery</i> , 2004 , 55, 1138-49	3.2	119
34	Preliminary visual field preservation after staged CyberKnife radiosurgery for perioptic lesions. <i>Neurosurgery</i> , 2004 , 54, 799-810; discussion 810-2	3.2	83
33	Toward an expanded view of radiosurgery. <i>Neurosurgery</i> , 2004 , 55, 1374-6	3.2	52
32	Image-Guided Spinal Stereotactic Radiosurgery. <i>Techniques in Neurosurgery</i> , 2003 , 8, 56-64		8
31	Patterns of patient movement during frameless image-guided radiosurgery. <i>International Journal of Radiation Oncology Biology Physics</i> , 2003 , 55, 1400-8	4	139
30	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
29	CyberKnife radiosurgery for brain and spinal tumors. <i>International Congress Series</i> , 2002 , 1247, 545-552		3
28	Surgical guidance now and in the future: the next generation of instrumentation. <i>Clinical Neurosurgery</i> , 2002 , 49, 105-14		6
27	Image-guided hypo-fractionated stereotactic radiosurgery to spinal lesions. <i>Neurosurgery</i> , 2001 , 49, 838-46	3.2	253
26	Image-guided Hypo-fractionated Stereotactic Radiosurgery to Spinal Lesions. <i>Neurosurgery</i> , 2001 , 49, 838-846	3.2	180
25	Current treatment of patients with multiple brain metastases. <i>Neurosurgical Focus</i> , 2000 , 9, 1-5	4.2	2

24	Stereotactic radiosurgery in patients with multiple brain metastases. <i>Neurosurgical Focus</i> , 2000 , 9, 1-5	4.2	2
23	Image-Guided Radiosurgery for the Spine and Pancreas. <i>Computer Aided Surgery</i> , 2000 , 5, 278-288		110
22	Robotic Motion Compensation for Respiratory Movement during Radiosurgery. <i>Computer Aided Surgery</i> , 2000 , 5, 263-277		290
21	Robotic motion compensation for respiratory movement during radiosurgery. <i>Computer Aided Surgery</i> , 2000 , 5, 263-77		90
20	Robotic motion compensation for respiratory movement during radiosurgery. <i>Computer Aided Surgery</i> , 2000 , 5, 263-277		108
19	Image-guided radiosurgery for the spine and pancreas. <i>Computer Aided Surgery</i> , 2000 , 5, 278-88		25
18	Treatment of cavernous sinus tumors with linear accelerator radiosurgery. <i>Skull Base</i> , 1999 , 9, 195-200		2
17	Remote-Rendered 3D CT Angiography (3DCTA) as an Intraoperative Aid in Cerebrovascular Neurosurgery. <i>Computer Aided Surgery</i> , 1999 , 4, 256-263		12
16	Image-guided Robotic Radiosurgery. <i>Neurosurgery</i> , 1999 , 44, 1299-1306	3.2	222
15	Remote-rendered 3D CT angiography (3DCTA) as an intraoperative aid in cerebrovascular neurosurgery. <i>Computer Aided Surgery</i> , 1999 , 4, 256-63		6
14	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
13	Stereotactic radiosurgery of angiographically occult vascular malformations: 14-year experience. <i>Neurosurgery</i> , 1998 , 43, 213-20; discussion 220-1	3.2	90
12	Treatment of cranial base meningiomas with linear accelerator radiosurgery. <i>Neurosurgery</i> , 1997 , 41, 1019-25; discussion 1025-7	3.2	139
11	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
10	Registration error quantification of a surface-based multimodality image fusion system. <i>Medical Physics</i> , 1995 , 22, 1049-56	4.4	26
9	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
8	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
7	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

6	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
5	Clinical outcome of radiosurgery for cerebral arteriovenous malformations. <i>Journal of Neurosurgery</i> , 1992 , 77, 1-8	3.2	461
4	Stereotactic radiosurgical treatment of brain metastases. <i>Journal of Neurosurgery</i> , 1992 , 76, 444-9	3.2	206
3	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
2	Radiosurgery for palliation of base of skull recurrences from head and neck cancers. <i>Cancer</i> , 1992 , 70, 1980-4	6.4	43
1	Stereotactic radiosurgery using CT cisternography and non-isocentric planning for the treatment of trigeminal neuralgia		2