

Frank J Bova

List of Publications by Year in descending order

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57
papers

3,882
citations

109137

35
h-index

174990

52
g-index

59
all docs

59
docs citations

59
times ranked

2044
citing authors

#	ARTICLE	IF	CITATIONS
1	Linear accelerator radiosurgery for arteriovenous malformations: the relationship of size to outcome. <i>Journal of Neurosurgery</i> , 1995, 82, 180-189.	0.9	293
2	The university of Florida radiosurgery system. <i>World Neurosurgery</i> , 1989, 32, 334-342.	1.3	239
3	The risk of hemorrhage after radiosurgery for arteriovenous malformations. <i>Journal of Neurosurgery</i> , 1996, 84, 912-919.	0.9	231
4	Prophylactic glutamine protects the intestinal mucosa from radiation injury. <i>Cancer</i> , 1990, 66, 62-68.	2.0	229
5	Linear accelerator radiosurgery for arteriovenous malformations. <i>Journal of Neurosurgery</i> , 1992, 77, 832-841.	0.9	205
6	A high resolution and high contrast MRI for differentiation of subcortical structures for DBS targeting: The Fast Gray Matter Acquisition T1 Inversion Recovery (FGATIR). <i>NeuroImage</i> , 2009, 47, T44-T52.	2.1	187
7	Analysis of risk factors associated with radiosurgery for vestibular schwannoma. <i>Journal of Neurosurgery</i> , 2001, 95, 440-449.	0.9	184
8	Analysis of Factors Predictive of Success or Complications in Arteriovenous Malformation Radiosurgery. <i>Neurosurgery</i> , 2003, 52, 296-308.	0.6	182
9	Analysis of treatment failure after radiosurgery for arteriovenous malformations. <i>Journal of Neurosurgery</i> , 1998, 89, 104-111.	0.9	139
10	Image localization for frameless stereotactic radiotherapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2000, 46, 1291-1299.	0.4	104
11	Intracranial stereotactic positioning systems: Report of the American Association of Physicists in Medicine Radiation Therapy Committee Task Group No. 68. <i>Medical Physics</i> , 2005, 32, 2380-2398.	1.6	94
12	Initial clinical experience with frameless stereotactic radiosurgery: analysis of accuracy and feasibility. <i>International Journal of Radiation Oncology Biology Physics</i> , 2001, 51, 1152-1158.	0.4	93
13	Linear accelerator radiosurgery for vestibular schwannomas. <i>Journal of Neurosurgery</i> , 2006, 105, 657-661.	0.9	92
14	Linac radiosurgery for benign meningiomas. <i>International Journal of Radiation Oncology Biology Physics</i> , 1999, 43, 321-327.	0.4	91
15	Stereotactic angiography: An inadequate database for radiosurgery?. <i>International Journal of Radiation Oncology Biology Physics</i> , 1991, 20, 891-895.	0.4	84
16	Do the morphological characteristics of arteriovenous malformations affect the results of radiosurgery?. <i>Journal of Neurosurgery</i> , 2004, 101, 393-401.	0.9	81
17	Treatment selection factors for stereotactic radiosurgery of intracranial metastases. <i>International Journal of Radiation Oncology Biology Physics</i> , 1995, 32, 1161-1166.	0.4	68
18	Linac radiosurgery for high-grade gliomas: The university of Florida experience. <i>International Journal of Radiation Oncology Biology Physics</i> , 1995, 32, 205-210.	0.4	65

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19	Benchmarking of five commercial deformable image registration algorithms for head and neck patients. <i>Journal of Applied Clinical Medical Physics</i> , 2016, 17, 25-40.	0.8	65
20	Linac radiosurgery for locally recurrent nasopharyngeal carcinoma: Rationale and technique. <i>Head and Neck</i> , 1995, 17, 14-19.	0.9	62
21	Image registration of BANGÂ® gel dose maps for quantitative dosimetry verification. <i>International Journal of Radiation Oncology Biology Physics</i> , 1999, 43, 1135-1141.	0.4	59
22	Salvage retreatment after failure of radiosurgery in patients with arteriovenous malformations. <i>Journal of Neurosurgery</i> , 2003, 98, 337-341.	0.9	56
23	Validation of the radiosurgery-based arteriovenous malformation score in a large linear accelerator radiosurgery experience. <i>Journal of Neurosurgery</i> , 2009, 111, 832-839.	0.9	56
24	Limitations of Angiographic Target Localization in Planning Radiosurgical Treatment. <i>Neurosurgery</i> , 1992, 30, 619-623.	0.6	56
25	Modifications Based on Computed Tomographic Imaging in Planning the Radiosurgical Treatment of Arteriovenous Malformations. <i>Neurosurgery</i> , 1993, 33, 588-596.	0.6	54
26	Linear accelerator surgery for meningiomas. <i>Journal of Neurosurgery</i> , 2005, 103, 206-209.	0.9	52
27	Linear Accelerator Radiosurgery at the University of Florida. <i>Neurosurgery Clinics of North America</i> , 1992, 3, 141-166.	0.8	50
28	Temporal characteristics of radiosurgical lesions in an animal model. <i>Journal of Neurosurgery</i> , 1994, 80, 1046-1055.	0.9	48
29	Limitations of Angiographic Target Localization in Planning Radiosurgical Treatment. <i>Neurosurgery</i> , 1992, 30, 619-623.	0.6	46
30	Linear Accelerator Radiosurgery for Cavernous Sinus Meningiomas. <i>Stereotactic and Functional Neurosurgery</i> , 2009, 87, 120-127.	0.8	45
31	Optical Tracking Technology in Stereotactic Radiation Therapy. <i>Medical Dosimetry</i> , 2007, 32, 111-120.	0.4	44
32	Modifications Based on Computed Tomographic Imaging in Planning the Radiosurgical Treatment of Arteriovenous Malformations. <i>Neurosurgery</i> , 1993, 33, 588-596.	0.6	41
33	A virtual phantom library for the quantification of deformable image registration uncertainties in patients with cancers of the head and neck. <i>Medical Physics</i> , 2013, 40, 111703.	1.6	41
34	Effect of treatment plan quality on outcomes after radiosurgery for vestibular schwannoma. <i>Journal of Neurosurgery</i> , 2007, 107, 913-916.	0.9	38
35	LINAC radiosurgery: an animal model. <i>Journal of Neurosurgery</i> , 1993, 78, 638-644.	0.9	36
36	The role of medical physicists in developing stereotactic radiosurgery. <i>Medical Physics</i> , 2008, 35, 4262-4277.	1.6	35

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37	Radiosurgery in the Treatment of Malignant Gliomas: The University of Florida Experience. <i>Neurosurgery</i> , 2005, 57, 512-517.	0.6	32
38	Radiosurgery for arteriovenous malformations. <i>Neurological Research</i> , 2011, 33, 803-819.	0.6	32
39	Sphenocliv Intraosseous Lipoma in Skull Base. <i>Open Neuroimaging Journal</i> , 2012, 6, 99-102.	0.2	29
40	Linear Accelerator Radiosurgery in the Treatment of Brain Metastases. <i>Neurosurgery</i> , 2004, 55, 1076-1085.	0.6	28
41	Delineation of motor and somatosensory thalamic subregions utilizing probabilistic diffusion tractography and electrophysiology. <i>Journal of Magnetic Resonance Imaging</i> , 2013, 37, 600-609.	1.9	21
42	Stereotactic Radiosurgery. <i>Contemporary Neurosurgery</i> , 1989, 11, 1-8.	0.2	18
43	Long-term Outcomes After Radiosurgery for Temporal Bone Paragangliomas. <i>American Journal of Clinical Oncology: Cancer Clinical Trials</i> , 2018, 41, 223-226.	0.6	16
44	Radiation Physics. <i>Neurosurgery Clinics of North America</i> , 1990, 1, 909-931.	0.8	14
45	A comparison of 3-D data correlation methods for fractionated stereotactic radiotherapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 1999, 43, 663-670.	0.4	13
46	The Risk of Malignancy Anywhere in the Body after Linear Accelerator (LINAC) Stereotactic Radiosurgery. <i>Stereotactic and Functional Neurosurgery</i> , 2014, 92, 323-333.	0.8	12
47	Computer-aided design optimization with the use of a fast dose model for linear-accelerator-based stereotactic radiosurgery. <i>Physics in Medicine and Biology</i> , 1996, 41, 675-696.	1.6	11
48	An investigation of the potential of rapid prototyping technology for image-guided surgery. <i>Journal of Applied Clinical Medical Physics</i> , 2006, 7, 81-98.	0.8	9
49	Rapid fabrication of custom patient biopsy guides. <i>Journal of Applied Clinical Medical Physics</i> , 2009, 10, 260-272.	0.8	7
50	Three-Dimensional Printing for Construction of Tissue-Equivalent Anthropomorphic Phantoms and Determination of Conceptus Dose. <i>American Journal of Roentgenology</i> , 2018, 211, 1283-1290.	1.0	6
51	Variability in commercially available deformable image registration: A multi-institution analysis using virtual head and neck phantoms. <i>Journal of Applied Clinical Medical Physics</i> , 2021, 22, 89-96.	0.8	6
52	Modern linac stereotactic radiosurgery systems have rendered the Gamma Knife obsolete. <i>Medical Physics</i> , 2001, 28, 1839-1841.	1.6	4
53	LINAC: Past, Present, and Future of Radiosurgery. , 2015, , 121-134.		3
54	Treatment Planning for Stereotactic Radiosurgery. , 2015, , 73-94.		3

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55	Linear Accelerator-Based Radiosurgery: Technique. , 2019, , 77-82.		1
56	Treatment Planning for Stereotactic Radiosurgery. , 2008, , 69-90.		1
57	Radiosurgery for Arteriovenous Malformations. , 2011, , 1374-1387.		0