Frank J Bova

List of Publications by Year
in descending order

57	3,882	109137 35	174990 52
papers	citations	h-index	g-index

59	59	59	2044
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Variability in commercially available deformable image registration: A multiâ€institution analysis using virtual head and neck phantoms. Journal of Applied Clinical Medical Physics, 2021, 22, 89-96.	0.8	6
2	Linear Accelerator-Based Radiosurgery: Technique. , 2019, , 77-82.		1
3	Long-term Outcomes After Radiosurgery for Temporal Bone Paragangliomas. American Journal of Clinical Oncology: Cancer Clinical Trials, 2018, 41, 223-226.	0.6	16
4	Three-Dimensional Printing for Construction of Tissue-Equivalent Anthropomorphic Phantoms and Determination of Conceptus Dose. American Journal of Roentgenology, 2018, 211, 1283-1290.	1.0	6
5	Benchmarking of five commercial deformable image registration algorithms for head and neck patients. Journal of Applied Clinical Medical Physics, 2016, 17, 25-40.	0.8	65
6	LINAC: Past, Present, and Future of Radiosurgery. , 2015, , 121-134.		3
7	Treatment Planning for Stereotactic Radiosurgery. , 2015, , 73-94.		3
8	The Risk of Malignancy Anywhere in the Body after Linear Accelerator (LINAC) Stereotactic Radiosurgery. Stereotactic and Functional Neurosurgery, 2014, 92, 323-333.	0.8	12
9	Delineation of motor and somatosensory thalamic subregions utilizing probabilistic diffusion tractography and electrophysiology. Journal of Magnetic Resonance Imaging, 2013, 37, 600-609.	1.9	21
10	A virtual phantom library for the quantification of deformable image registration uncertainties in patients with cancers of the head and neck. Medical Physics, 2013, 40, 111703.	1.6	41
11	Sphenoclival Intraosseous Lipoma in Skull Base. Open Neuroimaging Journal, 2012, 6, 99-102.	0.2	29
12	Radiosurgery for arteriovenous malformations. Neurological Research, 2011, 33, 803-819.	0.6	32
13	Radiosurgery for Arteriovenous Malformations. , 2011, , 1374-1387.		0
14	Rapid fabrication of custom patient biopsy guides. Journal of Applied Clinical Medical Physics, 2009, 10, 260-272.	0.8	7
15	Linear Accelerator Radiosurgery for Cavernous Sinus Meningiomas. Stereotactic and Functional Neurosurgery, 2009, 87, 120-127.	0.8	45
16	A high resolution and high contrast MRI for differentiation of subcortical structures for DBS targeting: The Fast Gray Matter Acquisition T1 Inversion Recovery (FGATIR). NeuroImage, 2009, 47, T44-T52.	2.1	187
17	Validation of the radiosurgery-based arteriovenous malformation score in a large linear accelerator radiosurgery experience. Journal of Neurosurgery, 2009, 111, 832-839.	0.9	56
18	The role of medical physicists in developing stereotactic radiosurgery. Medical Physics, 2008, 35, 4262-4277.	1.6	35

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19	Treatment Planning for Stereotactic Radiosurgery. , 2008, , 69-90.		1
20	Effect of treatment plan quality on outcomes after radiosurgery for vestibular schwannoma. Journal of Neurosurgery, 2007, 107, 913-916.	0.9	38
21	Optical Tracking Technology in Stereotactic Radiation Therapy. Medical Dosimetry, 2007, 32, 111-120.	0.4	44
22	An investigation of the potential of rapid prototyping technology for imageâ€guided surgery. Journal of Applied Clinical Medical Physics, 2006, 7, 81-98.	0.8	9
23	Linear accelerator radiosurgery for vestibular schwannomas. Journal of Neurosurgery, 2006, 105, 657-661.	0.9	92
24	Radiosurgery in the Treatment of Malignant Gliomas: The University of Florida Experience. Neurosurgery, 2005, 57, 512-517.	0.6	32
25	Linear accelerator surgery for meningiomas. Journal of Neurosurgery, 2005, 103, 206-209.	0.9	52
26	Intracranial stereotactic positioning systems: Report of the American Association of Physicists in Medicine Radiation Therapy Committee Task Group No. 68. Medical Physics, 2005, 32, 2380-2398.	1.6	94
27	Do the morphological characteristics of arteriovenous malformations affect the results of radiosurgery?. Journal of Neurosurgery, 2004, 101, 393-401.	0.9	81
28	Linear Accelerator Radiosurgery in the Treatment of Brain Metastases. Neurosurgery, 2004, 55, 1076-1085.	0.6	28
29	Salvage retreatment after failure of radiosurgery in patients with arteriovenous malformations. Journal of Neurosurgery, 2003, 98, 337-341.	0.9	56
30	Analysis of Factors Predictive of Success or Complications in Arteriovenous Malformation Radiosurgery. Neurosurgery, 2003, 52, 296-308.	0.6	182
31	Modern linac stereotactic radiosurgery systems have rendered the Gamma Knife obsolete. Medical Physics, 2001, 28, 1839-1841.	1.6	4
32	Initial clinical experience with frameless stereotactic radiosurgery: analysis of accuracy and feasibility. International Journal of Radiation Oncology Biology Physics, 2001, 51, 1152-1158.	0.4	93
33	Analysis of risk factors associated with radiosurgery for vestibular schwannoma. Journal of Neurosurgery, 2001, 95, 440-449.	0.9	184
34	Image localization for frameless stereotactic radiotherapy. International Journal of Radiation Oncology Biology Physics, 2000, 46, 1291-1299.	0.4	104
35	Linac radiosurgery for benign meningiomas. International Journal of Radiation Oncology Biology Physics, 1999, 43, 321-327.	0.4	91
36	A comparison of 3-D data correlation methods for fractionated stereotactic radiotherapy. International Journal of Radiation Oncology Biology Physics, 1999, 43, 663-670.	0.4	13

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37	Image registration of BANGÂ® gel dose maps for quantitative dosimetry verification. International Journal of Radiation Oncology Biology Physics, 1999, 43, 1135-1141.	0.4	59
38	Analysis of treatment failure after radiosurgery for arteriovenous malformations. Journal of Neurosurgery, 1998, 89, 104-111.	0.9	139
39	Computer-aided design optimization with the use of a fast dose model for linear-accelerator-based stereotactic radiosurgery. Physics in Medicine and Biology, 1996, 41, 675-696.	1.6	11
40	The risk of hemorrhage after radiosurgery for arteriovenous malformations. Journal of Neurosurgery, 1996, 84, 912-919.	0.9	231
41	Linac radiosurgery for locally recurrent nasopharyngeal carcinoma: Rationale and technique. Head and Neck, 1995, 17, 14-19.	0.9	62
42	Treatment selection factors for stereotactic radiosurgery of intracranial metastases. International Journal of Radiation Oncology Biology Physics, 1995, 32, 1161-1166.	0.4	68
43	Linac radiosurgery for high-grade gliomas: The university of Florida experience. International Journal of Radiation Oncology Biology Physics, 1995, 32, 205-210.	0.4	65
44	Linear accelerator radiosurgery for arteriovenous malformations: the relationship of size to outcome. Journal of Neurosurgery, 1995, 82, 180-189.	0.9	293
45	Temporal characteristics of radiosurgical lesions in an animal model. Journal of Neurosurgery, 1994, 80, 1046-1055.	0.9	48
46	LINAC radiosurgery: an animal model. Journal of Neurosurgery, 1993, 78, 638-644.	0.9	36
47	Modifications Based on Computed Tomographic Imaging in Planning the Radiosurgical Treatment of Arteriovenous Malformations. Neurosurgery, 1993, 33, 588-596.	0.6	41
48	Modifications Based on Computed Tomographic Imaging in Planning the Radiosurgical Treatment of Arteriovenous Malformations. Neurosurgery, 1993, 33, 588-596.	0.6	54
49	Linear accelerator radiosurgery for arteriovenous malformations. Journal of Neurosurgery, 1992, 77, 832-841.	0.9	205
50	Limitations of Angiographic Target Localization in Planning Radiosurgical Treatment. Neurosurgery, 1992, 30, 619-623.	0.6	46
51	Linear Accelerator Radiosurgery at the University of Florida. Neurosurgery Clinics of North America, 1992, 3, 141-166.	0.8	50
52	Limitations of Angiographic Target Localization in Planning Radiosurgical Treatment. Neurosurgery, 1992, 30, 619-623.	0.6	56
53	Stereotactic angiography: An inadequate database for radiosurgery?. International Journal of Radiation Oncology Biology Physics, 1991, 20, 891-895.	0.4	84
54	Prophylactic glutamine protects the intestinal mucosa from radiation injury. Cancer, 1990, 66, 62-68.	2.0	229

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55	Radiation Physics. Neurosurgery Clinics of North America, 1990, 1, 909-931.	0.8	14
56	The university of Florida radiosurgery system. World Neurosurgery, 1989, 32, 334-342.	1.3	239
57	Stereotactic Radiosurgery. Contemporary Neurosurgery, 1989, 11, 1-8.	0.2	18