

Patrick Kupelian

List of Publications by Year in descending order

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Version: 2024-02-01

49
papers

2,630
citations

361296
20
h-index

233338
45
g-index

49
all docs

49
docs citations

49
times ranked

3125
citing authors

#	ARTICLE	IF	CITATIONS
1	RapidPlan hippocampal sparing whole brain model version 2â€”how far can we reduce the dose?. Medical Dosimetry, 2022, , .	0.4	6
2	Enhancing Career Paths for Tomorrow's Radiation Oncologists. International Journal of Radiation Oncology Biology Physics, 2019, 105, 52-63.	0.4	20
3	Cost-effectiveness of Linac-based single-isocenter non-coplanar technique (HyperArcTM) for brain metastases radiosurgery. Clinical and Experimental Metastasis, 2018, 35, 601-603.	1.7	8
4	Impact of the Primary Information Source Used for Decision Making on Treatment Perceptions and Regret in Prostate Cancer. American Journal of Clinical Oncology: Cancer Clinical Trials, 2018, 41, 898-904.	0.6	10
5	Exploring Value From the Patient's Perspective Between Modern Radiation Therapy Modalities for Localized Prostate Cancer. International Journal of Radiation Oncology Biology Physics, 2017, 97, 516-525.	0.4	22
6	Location Matters: Stage I Nonâ€”Small-cell Carcinomas of the Lower Lobes Treated With Stereotactic Body Radiation Therapy Are Associated With Poor Outcomes. Clinical Lung Cancer, 2017, 18, e137-e142.	1.1	21
7	Radioresistance of the breast tumor is highly correlated to its level of cancer stem cell and its clinical implication for breast irradiation. Radiotherapy and Oncology, 2017, 124, 455-461.	0.3	37
8	Radiation therapy in the management of breast cancer brain metastases: the impact of receptor status on treatment response, intracranial recurrence, and survival. Journal of Radiation Oncology, 2016, 5, 401-409.	0.7	0
9	The significance of PTV dose coverage on cancer control outcomes in early stage non-small cell lung cancer patients treated with highly ablative stereotactic body radiation therapy. British Journal of Radiology, 2016, 89, 20150963.	1.0	17
10	Plan quality and dosimetric association of patient-reported rectal and urinary toxicities for prostate stereotactic body radiotherapy. Radiotherapy and Oncology, 2016, 121, 113-117.	0.3	15
11	Pretreatment Anemia Portends Poor Survival and Nonlocal Disease Progression in Patients with Stage I Nonâ€”Small Cell Lung Cancer Treated with Stereotactic Body Radiation Therapy. Journal of Thoracic Oncology, 2016, 11, 1319-1325.	0.5	16
12	A treatment planning comparison between modulated tri-cobalt-60 teletherapy and linear acceleratorâ€”based stereotactic body radiotherapy for central early-stage nonâ€”small cell lung cancer. Medical Dosimetry, 2016, 41, 87-91.	0.4	31
13	Pretreatment Immune Parameters Predict for Overall Survival and Toxicity in Early-Stage Nonâ€”Small-Cell Lung Cancer Patients Treated With Stereotactic Body Radiation Therapy. Clinical Lung Cancer, 2016, 17, 39-46.	1.1	56
14	Pro-inflammatory State Portends Poor Outcomes with Stereotactic Radiosurgery for Brain Metastases. Anticancer Research, 2016, 36, 5333-5338.	0.5	13
15	Multi-Kinect v2 Camera Based Monitoring System for Radiotherapy Patient Safety. Studies in Health Technology and Informatics, 2016, 220, 352-8.	0.2	1
16	The American Board of Radiology Focused Practice Recognition in Brachytherapy (FPRB) Program: Opportunities lost, lessons learned, and future implications. Practical Radiation Oncology, 2015, 5, 427-432.	1.1	6
17	Incorporating Cancer Stem Cells in Radiation Therapy Treatment Response Modeling and the Implication in Glioblastoma Multiforme Treatment Resistance. International Journal of Radiation Oncology Biology Physics, 2015, 91, 866-875.	0.4	31
18	4â€”Noncoplanar Stereotactic Body Radiation Therapy for Head-and-Neck Cancer: Potential to Improve Tumor Control and Late Toxicity. International Journal of Radiation Oncology Biology Physics, 2015, 91, 401-409.	0.4	62

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19	Near Real-Time Assessment of Anatomic and Dosimetric Variations for Head and Neck Radiation Therapy via Graphics Processing Unit-based Dose Deformation Framework. <i>International Journal of Radiation Oncology Biology Physics</i> , 2015, 92, 415-422.	0.4	16
20	Stereotactic body radiation therapy for abdominal and pelvic oligometastases: Dosimetric targets for safe and effective local control. <i>Practical Radiation Oncology</i> , 2015, 5, e183-e191.	1.1	18
21	Promises and Pitfalls: Development of the National Brachytherapy Registry. <i>Journal of the American College of Radiology</i> , 2015, 12, 670-671.	0.9	1
22	Dependence of Achievable Plan Quality on Treatment Technique and Planning Goal Refinement: A Head-and-Neck Intensity Modulated Radiation Therapy Application. <i>International Journal of Radiation Oncology Biology Physics</i> , 2015, 91, 817-824.	0.4	6
23	Dosimetric parameters predict short-term quality-of-life outcomes for patients receiving stereotactic body radiation therapy for prostate cancer. <i>Practical Radiation Oncology</i> , 2015, 5, 257-262.	1.1	24
24	Stereotactic body radiation therapy for prostate cancer: Rational and reasonable. <i>Practical Radiation Oncology</i> , 2015, 5, 188-192.	1.1	11
25	Feasibility of extreme dose escalation for glioblastoma multiforme using 4-field radiotherapy. <i>Radiation Oncology</i> , 2014, 9, 239.	1.2	42
26	4D-CT Lung registration using anatomy-based multi-level multi-resolution optical flow analysis and thin-plate splines. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2014, 9, 875-889.	1.7	13
27	Feasibility of prostate robotic radiation therapy on conventional C-arm linacs. <i>Practical Radiation Oncology</i> , 2014, 4, 254-260.	1.1	38
28	Accelerating Dynamic Magnetic Resonance Imaging (MRI) for Lung Tumor Tracking Based on Low-Rank Decomposition in the Spatial-temporal Domain: A Feasibility Study Based on Simulation and Preliminary Prospective Undersampled MRI. <i>International Journal of Radiation Oncology Biology Physics</i> , 2014, 88, 723-731.	0.4	16
29	Multiparametric MRI identifies and stratifies prostate cancer lesions: Implications for targeting intraprostatic targets. <i>Brachytherapy</i> , 2014, 13, 292-298.	0.2	12
30	Magnetic Resonance-Guided Adaptive Radiotherapy: A Solution to the Future. <i>Seminars in Radiation Oncology</i> , 2014, 24, 227-232.	1.0	112
31	Cardiovascular blood flow analysis under normal and open injury conditions. <i>Studies in Health Technology and Informatics</i> , 2014, 196, 372-7.	0.2	0
32	A framework for modeling and visualizing cardiovascular deformation under normal and altered circulatory conditions. <i>Studies in Health Technology and Informatics</i> , 2014, 196, 378-83.	0.2	0
33	Stereotactic body radiotherapy for localized prostate cancer: Pooled analysis from a multi-institutional consortium of prospective phase II trials. <i>Radiotherapy and Oncology</i> , 2013, 109, 217-221.	0.3	413
34	Health-Related Quality of Life After Stereotactic Body Radiation Therapy for Localized Prostate Cancer: Results From a Multi-institutional Consortium of Prospective Trials. <i>International Journal of Radiation Oncology Biology Physics</i> , 2013, 87, 939-945.	0.4	173
35	4-field Non-Coplanar Liver SBRT: A Novel Delivery Technique. <i>International Journal of Radiation Oncology Biology Physics</i> , 2013, 85, 1360-1366.	0.4	133
36	4-field Noncoplanar Stereotactic Body Radiation Therapy for Centrally Located or Larger Lung Tumors. <i>International Journal of Radiation Oncology Biology Physics</i> , 2013, 86, 407-413.	0.4	118

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37	Evaluation of High Ipsilateral Subventricular Zone Radiation Therapy Dose in Glioblastoma: A Pooled Analysis. <i>International Journal of Radiation Oncology Biology Physics</i> , 2013, 86, 609-615.	0.4	90
38	Cerium oxide nanoparticles protect gastrointestinal epithelium from radiation-induced damage by reduction of reactive oxygen species and upregulation of superoxide dismutase 2. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2010, 6, 698-705.	1.7	330
39	An inverse hyper-spherical harmonics-based formulation for reconstructing 3D volumetric lung deformations. <i>Comptes Rendus - Mecanique</i> , 2010, 338, 461-473.	2.1	15
40	Effect of treatment interruptions in prostate cancer. <i>Nature Reviews Clinical Oncology</i> , 2009, 6, 312-313.	12.5	2
41	Protection from radiation-induced pneumonitis using cerium oxide nanoparticles. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2009, 5, 225-231.	1.7	264
42	Modeling Real-Time 3-D Lung Deformations for Medical Visualization. <i>IEEE Transactions on Information Technology in Biomedicine</i> , 2008, 12, 257-270.	3.6	29
43	Real-Time Simulation of 4D Lung Tumor Radiotherapy Using a Breathing Model. <i>Lecture Notes in Computer Science</i> , 2008, 11, 710-717.	1.0	10
44	Prostate Cancer: Image Guidance and Adaptive Therapy. , 2007, 40, 289-314.		11
45	Year of treatment as independent predictor of relapse-free survival in patients with localized prostate cancer treated with definitive radiotherapy in the PSA era. <i>International Journal of Radiation Oncology Biology Physics</i> , 2005, 63, 795-799.	0.4	10
46	Improved biochemical relapse-free survival with increased external radiation doses in patients with localized prostate cancer: The combined experience of nine institutions in patients treated in 1994 and 1995. <i>International Journal of Radiation Oncology Biology Physics</i> , 2005, 61, 415-419.	0.4	115
47	Is Year of Radical Prostatectomy a Predictor of Outcome in Prostate Cancer?. <i>Journal of Urology</i> , 2004, 171, 692-696.	0.2	30
48	External beam radiation therapy: role of androgen deprivation. <i>World Journal of Urology</i> , 2003, 21, 190-199.	1.2	3
49	International Validation of a Preoperative Nomogram for Prostate Cancer Recurrence After Radical Prostatectomy. <i>Journal of Clinical Oncology</i> , 2002, 20, 3206-3212.	0.8	203