

Patrick Kupelian

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10660700/publications.pdf>

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	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
2	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
3	Protection from radiation-induced pneumonitis using cerium oxide nanoparticles. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2009, 5, 225-231.	1.7	264
4	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
5	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
6	4Ï Non-Coplanar Liver SBRT: A Novel Delivery Technique. <i>International Journal of Radiation Oncology Biology Physics</i> , 2013, 85, 1360-1366.	0.4	133
7	4Ï 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
8	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
9	Magnetic Resonance-â€“Guided Adaptive Radiotherapy: A Solution to the Future. <i>Seminars in Radiation Oncology</i> , 2014, 24, 227-232.	1.0	112
10	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
11	4Ï Noncoplanar Stereotactic Body Radiation Therapy for Head-and-Neck Cancer: Potential to Improve Tumor Control and Late Toxicity. <i>International Journal of Radiation Oncology Biology Physics</i> , 2015, 91, 401-409.	0.4	62
12	Pretreatment Immune Parameters Predict for Overall Survival and Toxicity in Early-Stage Non-â€“Small-Cell Lung Cancer Patients Treated With Stereotactic Body Radiation Therapy. <i>Clinical Lung Cancer</i> , 2016, 17, 39-46.	1.1	56
13	Feasibility of extreme dose escalation for glioblastoma multiforme using 4Ï radiotherapy. <i>Radiation Oncology</i> , 2014, 9, 239.	1.2	42
14	Feasibility of prostate robotic radiation therapy on conventional C-arm linacs. <i>Practical Radiation Oncology</i> , 2014, 4, 254-260.	1.1	38
15	Radioresistance of the breast tumor is highly correlated to its level of cancer stem cell and its clinical implication for breast irradiation. <i>Radiotherapy and Oncology</i> , 2017, 124, 455-461.	0.3	37
16	Incorporating Cancer Stem Cells in Radiation Therapy Treatment Response Modeling and the Implication in Glioblastoma Multiforme Treatment Resistance. <i>International Journal of Radiation Oncology Biology Physics</i> , 2015, 91, 866-875.	0.4	31
17	A treatment planning comparison between modulated tri-cobalt-60 teletherapy and linear accelerator-â€“based stereotactic body radiotherapy for central early-stage non-â€“small cell lung cancer. <i>Medical Dosimetry</i> , 2016, 41, 87-91.	0.4	31
18	Is Year of Radical Prostatectomy a Predictor of Outcome in Prostate Cancer?. <i>Journal of Urology</i> , 2004, 171, 692-696.	0.2	30

#	ARTICLE	IF	CITATIONS
19	Modeling Real-Time 3-D Lung Deformations for Medical Visualization. IEEE Transactions on Information Technology in Biomedicine, 2008, 12, 257-270.	3.6	29
20	Dosimetric parameters predict short-term quality-of-life outcomes for patients receiving stereotactic body radiation therapy for prostate cancer. Practical Radiation Oncology, 2015, 5, 257-262.	1.1	24
21	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
22	Location Matters: Stage I Non-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
23	Enhancing Career Paths for Tomorrow's Radiation Oncologists. International Journal of Radiation Oncology Biology Physics, 2019, 105, 52-63.	0.4	20
24	Stereotactic body radiation therapy for abdominal and pelvic oligometastases: Dosimetric targets for safe and effective local control. Practical Radiation Oncology, 2015, 5, e183-e191.	1.1	18
25	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
26	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. International Journal of Radiation Oncology Biology Physics, 2014, 88, 723-731.	0.4	16
27	Near Real-Time Assessment of Anatomic and Dosimetric Variations for Head and Neck Radiation Therapy via Graphics Processing Unit-based Dose Deformation Framework. International Journal of Radiation Oncology Biology Physics, 2015, 92, 415-422.	0.4	16
28	Pretreatment Anemia Portends Poor Survival and Nonlocal Disease Progression in Patients with Stage I Non-Small Cell Lung Cancer Treated with Stereotactic Body Radiation Therapy. Journal of Thoracic Oncology, 2016, 11, 1319-1325.	0.5	16
29	An inverse hyper-spherical harmonics-based formulation for reconstructing 3D volumetric lung deformations. Comptes Rendus - Mecanique, 2010, 338, 461-473.	2.1	15
30	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
31	4D-CT Lung registration using anatomy-based multi-level multi-resolution optical flow analysis and thin-plate splines. International Journal of Computer Assisted Radiology and Surgery, 2014, 9, 875-889.	1.7	13
32	Pro-inflammatory State Portends Poor Outcomes with Stereotactic Radiosurgery for Brain Metastases. Anticancer Research, 2016, 36, 5333-5338.	0.5	13
33	Multiparametric MRI identifies and stratifies prostate cancer lesions: Implications for targeting intraprostatic targets. Brachytherapy, 2014, 13, 292-298.	0.2	12
34	Prostate Cancer: Image Guidance and Adaptive Therapy. , 2007, 40, 289-314.		11
35	Stereotactic body radiation therapy for prostate cancer: Rational and reasonable. Practical Radiation Oncology, 2015, 5, 188-192.	1.1	11
36	Year of treatment as independent predictor of relapse-free survival in patients with localized prostate cancer treated with definitive radiotherapy in the PSA era. International Journal of Radiation Oncology Biology Physics, 2005, 63, 795-799.	0.4	10

#	ARTICLE	IF	CITATIONS
37	Real-Time Simulation of 4D Lung Tumor Radiotherapy Using a Breathing Model. Lecture Notes in Computer Science, 2008, 11, 710-717.	1.0	10
38	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
39	Cost-effectiveness of Linac-based single-isocenter non-coplanar technique (HyperArc™) for brain metastases radiosurgery. Clinical and Experimental Metastasis, 2018, 35, 601-603.	1.7	8
40	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
41	Dependence of Achievable Plan Quality on Treatment Technique and Planning Goal Refinement: A Head-and-Neck Intensity Modulated Radiation Therapy Application. International Journal of Radiation Oncology Biology Physics, 2015, 91, 817-824.	0.4	6
42	RapidPlan hippocampal sparing whole brain model version 2 – how far can we reduce the dose?. Medical Dosimetry, 2022, , .	0.4	6
43	External beam radiation therapy: role of androgen deprivation. World Journal of Urology, 2003, 21, 190-199.	1.2	3
44	Effect of treatment interruptions in prostate cancer. Nature Reviews Clinical Oncology, 2009, 6, 312-313.	12.5	2
45	Promises and Pitfalls: Development of the National Brachytherapy Registry. Journal of the American College of Radiology, 2015, 12, 670-671.	0.9	1
46	Multi-Kinect v2 Camera Based Monitoring System for Radiotherapy Patient Safety. Studies in Health Technology and Informatics, 2016, 220, 352-8.	0.2	1
47	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
48	Cardiovascular blood flow analysis under normal and open injury conditions. Studies in Health Technology and Informatics, 2014, 196, 372-7.	0.2	0
49	A framework for modeling and visualizing cardiovascular deformation under normal and altered circulatory conditions. Studies in Health Technology and Informatics, 2014, 196, 378-83.	0.2	0