Ivan M Buzurovic

List of Publications by Year
in descending order

188	774	858243 12	721071 23
papers	citations	h-index	g-index

188	188	188	959
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mathematical Model of Patient Support System in Medical Linear Accelerators for External Beam Radiation Therapy. Lecture Notes in Networks and Systems, 2022, , 361-377.	0.5	0
2	Clinical outcomes and dosimetric predictors of toxicity for re-irradiation of vaginal recurrence of endometrial cancer. Brachytherapy, 2022, , .	0.2	0
3	First pointwise encoding time reduction with radial acquisition (PETRA) implementation for catheter detection in interstitial high-dose-rate (HDR) brachytherapy. Brachytherapy, 2022, 21, 501-510.	0.2	3
4	Selection criteria for high-dose-rate surface brachytherapy and electron beam therapy in cutaneous oncology. Journal of Contemporary Brachytherapy, 2021, 13, 195-204.	0.4	1
5	Knowledgeâ€based inverse treatment planning for lowâ€doseâ€rate prostate brachytherapy. Medical Physics, 2021, 48, 2108-2117.	1.6	4
6	Definitive radiotherapy for vaginal recurrence of early-stage endometrial cancer: survival outcomes and effect of mismatch repair status. International Journal of Gynecological Cancer, 2021, 31, ijgc-2021-002536.	1.2	2
7	OC-0022 MRI-guided Treatment Planning for Skin Brachytherapy with PETRA. Radiotherapy and Oncology, 2021, 158, S14-S15.	0.3	0
8	PO-0173 Needle localization in MRI-guided gynecological brachytherapy using a PETRA sequence. Radiotherapy and Oncology, 2021, 158, S136-S138.	0.3	0
9	PO-0229 Towards informed and digitized HDR brachytherapy QA: Quantitative analysis of GYN applicators. Radiotherapy and Oncology, 2021, 158, S190-S192.	0.3	0
10	OC-0020 Freiburg Flap Surface Applicator Brachytherapy positional accuracy on MR-only PETRA images. Radiotherapy and Oncology, 2021, 158, S11-S12.	0.3	0
11	Biopsy Needle System With a Steerable Concentric Tube and Online Monitoring of Electrical Resistivity and Insertion Forces. IEEE Transactions on Biomedical Engineering, 2021, 68, 1702-1713.	2.5	10
12	PP19 Presentation Time: 4:24 PM. Brachytherapy, 2021, 20, S18.	0.2	0
13	PHSOR09 Presentation Time: 10:40 AM. Brachytherapy, 2021, 20, S27-S28.	0.2	0
14	PO-0252 Technical Evaluation of 3D printed Disposable Seed Loader for LDR Cs-131 Prostate Brachytherapy. Radiotherapy and Oncology, 2021, 158, S208-S209.	0.3	0
15	PO-0201 A Miniature Robotic System for Interstitial Brachytherapy Needle Insertion. Radiotherapy and Oncology, 2021, 158, S160-S161.	0.3	0
16	Feasibility of magnetic resonanceâ€only highâ€doseâ€rate surface brachytherapy for clinical application. Medical Physics, 2021, 48, 7313-7322.	1.6	3
17	Clinical outcomes following high-dose-rate surface applicator brachytherapy for angiosarcoma of scalp and face. Journal of Contemporary Brachytherapy, 2021, 13, 172-178.	0.4	5
18	Interfraction dose deviation and catheter position in cervical interstitial and intracavitary image guided HDR brachytherapy. Medical Dosimetry, 2021, , .	0.4	1

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19	A Geometric Theory for Robotic Manipulators Represented as Singular Control Systems. Lecture Notes in Networks and Systems, 2021, , 432-446.	0.5	0
20	Development and clinical implementation of semiâ€automated treatment planning including 3D printable applicator holders in complex skin brachytherapy. Medical Physics, 2020, 47, 869-879.	1.6	6
21	Low-Dose Adjuvant Cylinder Brachytherapy for Endometrioid Endometrial Cancer. Practical Radiation Oncology, 2020, 10, 95-103.	1.1	3
22	Definitive and Postoperative Radiation Therapy for Basal and Squamous Cell Cancers of the Skin: Executive Summary of an American Society for Radiation Oncology Clinical Practice Guideline. Practical Radiation Oncology, 2020, 10, 8-20.	1.1	117
23	Positional and angular tracking of HDR 192 Ir source for brachytherapy quality assurance using radiochromic film dosimetry. Medical Physics, 2020, 47, 6122-6139.	1.6	4
24	Low-dose adjuvant vaginal cylinder brachytherapy for early-stage non-endometrioid endometrial cancer: recurrence risk and survival outcomes. International Journal of Gynecological Cancer, 2020, 30, 1908-1914.	1.2	2
25	Surface brachytherapy: Joint report of the AAPM and the GECâ€ESTRO Task Group No. 253. Medical Physics, 2020, 47, e951-e987.	1.6	22
26	Angiosarcoma of the Scalp and Face: A Dosimetric Comparison of HDR Surface Applicator Brachytherapy and VMAT. Sarcoma, 2020, 2020, 1-6.	0.7	5
27	Evaluating Errors and Inefficiencies in Brachytherapy: An Approach Toward Process Redesign and Patient Safety. International Journal of Radiation Oncology Biology Physics, 2020, 108, e200.	0.4	0
28	Combined interstitial and surface high-dose-rate brachytherapy treatment of squamous cell carcinoma of the hand. Journal of Contemporary Brachytherapy, 2020, 12, 48-52.	0.4	3
29	A Method for Collision Avoidance in 4Ï€ External Beam Radiation Therapy. Lecture Notes in Networks and Systems, 2020, , 359-374.	0.5	1
30	OC-1043: Automated Plan Verification Software for Ultrasound-Planned High Dose Rate Prostate Brachytherapy. Radiotherapy and Oncology, 2020, 152, S1095.	0.3	0
31	OC-1027: Comparing GU toxicity of LDR I-125 prostate brachytherapy by robotic and manual loading techniques. Radiotherapy and Oncology, 2020, 152, S1084-S1085.	0.3	0
32	OC-1032: In-vivo film dosimetry indicates a role for model-based algorithms in HDR surface brachytherapy. Radiotherapy and Oncology, 2020, 152, S1087-S1088.	0.3	0
33	Real-Time Visual Tracking of the HDR Source during Skin Therapy Enabled by Scintillation Markers. Brachytherapy, 2019, 18, S44.	0.2	0
34	Doseâ€“response linearization in radiochromic film dosimetry based on multichannel normalized pixel value with an integrated spectral correction for scanner response variations. Medical Physics, 2019, 46, 5336-5349.	1.6	9
35	Clinical Implementation of Automated Treatment Planning Including 3D Printable Applicators in Complex Skin Brachytherapy. Brachytherapy, 2019, 18, S32.	0.2	0
36	In-Vivo Dose Measurements for HDR Surface Brachytherapy: Comparing Results of Radiochromic Film Dosimetry to TG43 and Advanced Collapsed Cone Engine (ACE) Dose Calculations. Brachytherapy, 2019, 18, S105.	0.2	0

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37	Quantitative HDR Afterloader Source Position and Activity QA Using Two MicroDiamond Detectors. Brachytherapy, 2019, 18, S107-S108.	0.2	0
38	Consistency and Lyapunov Stability of Linear Discrete Descriptor Time Delay Systems: A Geometric Approach. , 2019, , .		2
39	Influence of Seed Delivery Technique to the Total Implanted Activity in Low Dose-Rate Prostate Brachytherapy. Brachytherapy, 2019, 18, S77.	0.2	0
40	The Miniature Robotic Needling Device in Brachytherapy: Design and Modeling - An Approach Towards Smart Needle System. , 2019, , .		2
41	Model Predictive Control of a Medical Robotic System. Lecture Notes in Networks and Systems, 2019, , 220-230.	0.5	0
42	Brachytherapy monotherapy may be sufficient for a subset of patients with unfavorable intermediate risk prostate cancer. Urologic Oncology: Seminars and Original Investigations, 2018, 36, 157.e15-157.e20.	0.8	6
43	A novel approach to an automated needle insertion in brachytherapy procedures. Medical and Biological Engineering and Computing, 2018, 56, 273-287.	1.6	9
44	Vaginal Brachytherapy for Stage I-II Non-endometrioid Endometrial Cancer Using a Low-dose Scheme. International Journal of Radiation Oncology Biology Physics, 2018, 102, e645-e646.	0.4	0
45	Automated High-Dose-Rate Surface Brachytherapy Treatment Planning for Complex Head and Neck Cases with 3D-Printable Masks. International Journal of Radiation Oncology Biology Physics, 2018, 102, S54-S55.	0.4	2
46	CT-guided Adjuvant Vaginal Brachytherapy for Endometrial Cancer: Efficacy and Sites of Failure with a Low-Dose Regimen. International Journal of Radiation Oncology Biology Physics, 2018, 102, e643.	0.4	0
47	Decomposition of Source Dwell Positions and Dwell Times: A Novel Method for Accurate Source Tracking and Quality Assurance in HDR Brachytherapy Based on Film Dosimetry. Brachytherapy, 2018, 17, S128-S129.	0.2	0
48	Dosimetric Impact of Source Position Variation Inside Different Catheter Sizes in HDR Brachytherapy. Brachytherapy, 2018, 17, S31-S32.	0.2	0
49	Automated Catheter Reconstruction as a Qa Tool in High-Dose-Rate Surface Brachytherapy. Brachytherapy, 2018, 17, S42-S43.	0.2	1
50	Investigation of Short Dwell Time Rounding Errors in HDR Brachytherapy. Brachytherapy, 2018, 17, S133-S134.	0.2	0
51	Circumferential HDR Treatment of Cutaneous T-cell Lymphoma in Extremities. Brachytherapy, 2018, 17, S65.	0.2	0
52	Monte Carlo Insight into Inter-Seed Attenuation (ISA) in Salvage Brachytherapy of Post Permanent Prostate Implant (PPI). Brachytherapy, 2018, 17, S88.	0.2	0
53	Fully Automated Planning with Patient Specific 3D-Printed Applicator-Holders for High-Dose-Rate Surface Brachytherapy. Brachytherapy, 2018, 17, S41-S42.	0.2	1
54	Improved results on finite time stability of time delay systems: Jensen's inequality-based approach. Tehnika, 2018, 73, 78-86.	0.0	1

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55	The value of systematic contouring of the bowel for treatment plan optimization in image-guided cervical cancer high-dose-rate brachytherapy. Brachytherapy, 2017, 16, 579-585.	0.2	2
56	Improving Dose Accuracy of HDR Brachytherapy Treatment of Skin Lesions Using Freiburg Flap Applicator Based on Reference Radiochromic Film Dose Measurements. Brachytherapy, 2017, 16, S99.	0.2	0
57	American College of Radiologyâ€“American Brachytherapy Society practice parameter for electronically generated low-energy radiation sources. Brachytherapy, 2017, 16, 1083-1090.	0.2	7
58	Supplemental Androgen Deprivation Therapy Is More Beneficial Than Supplemental External Beam Radiation Therapy for Men with Unfavorable Intermediate Risk Prostate Cancer Treated with Brachytherapy. International Journal of Radiation Oncology Biology Physics, 2017, 99, E247.	0.4	0
59	Lack of Benefit Associated with External Beam Radiotherapy in Addition to Brachytherapy for Intermediate- to High-Risk Prostate Cancer. Brachytherapy, 2017, 16, S18.	0.2	0
60	Positional QA of HDR Source in Vascular Brachytherapy. Brachytherapy, 2017, 16, S97.	0.2	0
61	Failure Mode and Effects Analysis in Multimodal Low Dose-Rate Prostate Brachytherapy. Brachytherapy, 2017, 16, S27-S28.	0.2	0
62	High Dose-Rate Brachytherapy Treatment of Psoriasis of the Nail Bed Using Custom Made Micro Applicators. Brachytherapy, 2017, 16, S51.	0.2	0
63	Dose comparison between TG-43â€“based calculations and radiochromic film measurements of the Freiburg flap applicator used for high-dose-rate brachytherapy treatments of skin lesions. Brachytherapy, 2017, 16, 1065-1072.	0.2	10
64	Lack of Benefit From the Addition of External Beam Radiation Therapy to Brachytherapy for Intermediate- and High-risk Prostate Cancer. International Journal of Radiation Oncology Biology Physics, 2017, 99, 904-911.	0.4	6
65	Attenuation and Backscatter from a Lead Shield Used in HDR 192 Ir Brachytherapy. Brachytherapy, 2017, 16, S102-S103.	0.2	0
66	Further results on finite-time stability of continuous singular time delay systems. , 2017, , .		0
67	Custom-made micro applicators for high-dose-rate brachytherapy treatment of chronic psoriasis. Journal of Contemporary Brachytherapy, 2017, 3, 263-269.	0.4	6
68	Clinical implementation of a novel applicator in high-dose-rate brachytherapy treatment of esophageal cancer. Journal of Contemporary Brachytherapy, 2016, 4, 319-325.	0.4	9
69	Finite-time stability analysis of descriptor discrete time-delay systems using discrete convolution of delayed states. , 2016, , .		0
70	Initial Experience in High-Dose-Rate Brachytherapy Treatment of the Esophagus Using a Novel Esophageal Applicator. Brachytherapy, 2016, 15, S82-S83.	0.2	0
71	Outcomes of Uterine Papillary Serous and Uterine Clear Cell Carcinoma Treated with Vaginal-Cylinder Brachytherapy Alone. Brachytherapy, 2016, 15, S120.	0.2	0
72	Redesign of the Intracavitary Ring and Tandem Applicator for Improved Dosimetry in High Dose-Rate Brachytherapy. Brachytherapy, 2016, 15, S128.	0.2	0

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73	Outcomes with volume-based dose specification in CT-planned high-dose-rate brachytherapy for stage I-II cervical carcinoma: A 10-year institutional experience. Gynecologic Oncology, 2016, 143, 545-551.	0.6	13
74	Prostate Brachytherapy Case Volumes by Academic and Nonacademic Practices: Implications for Future Residency Training. International Journal of Radiation Oncology Biology Physics, 2016, 96, 624-628.	0.4	48
75	The decreased use of brachytherapy boost for intermediate and high-risk prostate cancer despite evidence supporting its effectiveness. Brachytherapy, 2016, 15, 701-706.	0.2	37
76	Novel delay dependent conditions for non-Lyapunov stability of singular time delay systems. , 2016, , .		0
77	Improved Dose Conformality in Non-Image Based Treatment Planning for Vaginal Cylinders Using Shallower Dose Optimization Points. Brachytherapy, 2016, 15, S121.	0.2	0
78	Use of a control film piece in radiochromic film dosimetry. Physica Medica, 2016, 32, 202-207.	0.4	25
79	Results on finite time and practical stability of continuous time delay. Tehnika, 2016, 71, 233-241.	0.0	0
80	WE-DE-201-11: Sensitivity and Specificity of Verification Methods Based On Total Reference Air Kerma (TRAK) Or On User Provided Dose Points for Graphically Planned Skin HDR Brachytherapy. Medical Physics, 2016, 43, 3810-3811.	1.6	0
81	SU-F-T-242: A Method for Collision Avoidance in External Beam Radiation Therapy. Medical Physics, 2016, 43, 3518-3518.	1.6	0
82	SU-G-201-04: Can the Dynamic Library of Flap Applicators Replace Treatment Planning in Surface Brachytherapy?. Medical Physics, 2016, 43, 3623-3623.	1.6	0
83	On finite time stability: Novel delay dependent criteria. , 2015, , .		0
84	Evaluation of robotic tracking system for motion compensation in radiation therapy. , 2015, , .		1
85	A mathematical model of a novel automated medical device for needle insertions. , 2015, , .		1
86	Redesign of process map to increase efficiency: Reducing procedure time in cervical cancer brachytherapy. Brachytherapy, 2015, 14, 471-480.	0.2	33
87	Balance Between Clinical Target Volume and Organs-at-Risk Optimization Goals in Cervical-Cancer Brachytherapy. Brachytherapy, 2015, 14, S84.	0.2	0
88	Dosimetric Comparison of HDR Treatments of the Cervix Using Unshielded and Shielded Intracavitary Brachytherapy Applicators - A Preliminary Investigation. Brachytherapy, 2015, 14, S62-S63.	0.2	0
89	Is the Systematic Contouring of the Bowel in Image-Based Cervical-Cancer HDR Brachytherapy Necessary?. Brachytherapy, 2015, 14, S76-S77.	0.2	0
90	Finite-time stability for a class of discrete-time singular systems with time-delay. , 2015, , .		1

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91	Finite-time stability for discrete-time singular systems with time-delay and nonlinear perturbations. , 2015, , .		1
92	On finite time stability of continuous time delayed systems: New delay dependent conditions. , 2015, , .		0
93	On attractive practical stability of the systems with state delay: A new algebraic inequalities approach. , 2015, , .		0
94	Dosimetric Evaluations of CT and MR-Based Brachytherapy Treatment Plans for Cervical Cancers Using Consensus Contouring Atlases. International Journal of Radiation Oncology Biology Physics, 2015, 93, E282-E283.	0.4	0
95	On finite time delay dependent stability of linear discrete delay systems: Numerical solution approach. Scientific Technical Review, 2015, 65, 39-45.	0.3	0
96	SU-E-T-301: Dosimetric Comparison Between Adaptive and Rectilinear Template-Based Prostate Seed Implants. Medical Physics, 2015, 42, 3402-3402.	1.6	0
97	SUâ€Eâ€Tâ€165: Characterization of Dose Distributions in Highâ€Doseâ€Rate Surface Brachytherapy. Medical Physics, 2015, 42, 3369-3370.	1.6	0
98	SUâ€Eâ€Jâ€226: Efficient Use of Computed Tomography (CT) and Magnetic Resonance Imaging (MRI) for Cervicalâ€Cancer Brachytherapy. Medical Physics, 2015, 42, 3317-3318.	1.6	0
99	SUâ€Eâ€Tâ€783: Using Matrixx to Determine Transit Dose Contribution Over Clinically Useful Limits of HDR Source Activity. Medical Physics, 2015, 42, 3517-3517.	1.6	0
100	SUâ€Eâ€Tâ€413: Examining Acquisition Rate for Using MatriXX Ion Chamber Array to Measure HDR Brachytherapy Treatments. Medical Physics, 2015, 42, 3429-3429.	1.6	0
101	Technical Aspects of Brachytherapy. , 2015, , .		0
102	Skin Brachytherapy. , 2015, , .		2
103	Variability in MRI vs. ultrasound measures of prostate volume and its impact on treatment recommendations for favorable-risk prostate cancer patients: a case series. Radiation Oncology, 2014, 9, 200.	1.2	12
104	Independent brachytherapy plan verification software: Improving efficacy and efficiency. Radiotherapy and Oncology, 2014, 113, 420-424.	0.3	23
105	Dose Fidelity and Conformality for High-Dose-Rate Surface Applicator Brachytherapy for Cutaneous Lymphoma Lesions of the Hands and Feet. Brachytherapy, 2014, 13, S110.	0.2	1
106	Effect of Heterogeneity on Dose Deposited by a Flat HDR Surface Applicator. Brachytherapy, 2014, 13, S98-S99.	0.2	0
107	Numerical Comparison between High-Dose-Rate Brachytherapy and Electron Beam Therapy in Cutaneous Oncology. Brachytherapy, 2014, 13, S24.	0.2	2
108	Brachyverifier: An Automated System for Plan Quality Assurance in High-Dose-Rate Brachytherapy. Brachytherapy, 2014, 13, S98.	0.2	0

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109	Technological Solutions for the Transition to an Electronic Medical Record System in a High-Dose-Rate Brachytherapy Practice. Brachytherapy, 2014, 13, S105-S106.	0.2	0
110	On finite time instability of continuous time delay systems. , 2014, , .		0
111	Finite time stability of continuous time delay systems: Jensen's inequality-based approach. , 2014, , .		3
112	Review of High-Dose-Rate (HDR) Brachytherapy Plan Errors: Effect of Software-Aided Verification on Effectiveness and Efficiency of the Physics Plan Quality Assurance (QA) Process. International Journal of Radiation Oncology Biology Physics, 2014, 90, S127-S128.	0.4	0
113	Dosimetric Comparison Based on Consensus Delineation of Clinical Target Volume for CT- and MR-Based Brachytherapy in Locally Advanced Cervical Cancer. International Journal of Radiation Oncology Biology Physics, 2014, 90, S183.	0.4	8
114	A comprehensive procedure for characterizing arbitrary azimuthally symmetric photon beams. Physica Medica, 2014, 30, 191-201.	0.4	7
115	An HDR Method for the Treatment of Full Face Cutaneous T-cell Lymphoma. Brachytherapy, 2014, 13, S44-S45.	0.2	1
116	Placement of empty catheters for an HDR-Emulating LDR Prostate Brachytherapy technique: Comparison to standard intraoperative planning. Brachytherapy, 2014, 13, 375-379.	0.2	4
117	WE-A-17A-03: Catheter Digitization in High-Dose-Rate Brachytherapy with the Assistance of An Electromagnetic (EM) Tracking System. Medical Physics, 2014, 41, 487-488.	1.6	1
118	SU-E-T-362: Automatic Catheter Reconstruction of Flap Applicators in HDR Surface Brachytherapy. Medical Physics, 2014, 41, 308-308.	1.6	0
119	WE-A-17A-05: Differences in Applicator Configuration and Dwell Loading Between Standard and Image-Guided Tandem and Ring (T&R) HDR Brachytherapy. Medical Physics, 2014, 41, 488-488.	1.6	0
120	SU-D-18A-04: Quantifying the Ability of Tumor Tracking to Spare Normal Tissue. Medical Physics, 2014, 41, 119-119.	1.6	0
121	Novel conditions for finite time stability of discrete time delay systems. , 2013, , .		1
122	An efficient method for finite time stability calculation of continuous time delay systems. , 2013, , .		3
123	Delay-dependent conditions for finite time stability of continuous systems with latency. , 2013, , .		0
124	Response to â€œComment on â€˜Implementation and experimental results of a 3D tumor tracking using robotic couchâ€™â€•[Med. Phys. 39(11), 6957â€“6969 (2012)]. Medical Physics, 2013, 40, 047102.	1.6	0
125	Commissioning and implementation of an implantable dosimeter for radiation therapy. Journal of Applied Clinical Medical Physics, 2013, 14, 234-252.	0.8	4
126	SU-E-T-131: Effect of Scanning Speed On MV and FFF Dosimetric Measurements Using a Scanning Chamber and EDGE Detector. Medical Physics, 2013, 40, 234-234.	1.6	0

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127	Implementation and experimental results of 4D tumor tracking using robotic couch. Medical Physics, 2012, 39, 6957-6967.	1.6	20
128	Needle identification in high-dose-rate prostate brachytherapy using ultrasound imaging modality. , 2012, 2012, 476-9.		4
129	A new approach to the stability of discrete descriptor time delay systems in the sense of non-lyapunov delay independent conditions. , 2012, , .		3
130	Implanted Dosimeters Identify Radiation Overdoses During IMRT for Prostate Cancer. International Journal of Radiation Oncology Biology Physics, 2012, 83, e371-e376.	0.4	13
131	Effects of Tumor Tracking Errors to the Quality of Radiation Treatment. International Journal of Radiation Oncology Biology Physics, 2012, 84, S716-S717.	0.4	0
132	Asymptotic practical stability of time delay systems. , 2012, , .		4
133	Comparison between acceleration-enhanced adaptive filters and neural network filters for respiratory motion prediction. , 2012, , .		4
134	LMI approach to non-Lyapunov stability of discrete descriptor time delay systems. , 2012, , .		1
135	Robust control for parallel robotic platforms. , 2012, , .		3
136	Advanced Control Methodologies in Parallel Robotic Systems. Advances in Robotics & Automation, 2012, 01, .	0.2	1
137	Robotic Tumor Tracking Techniques in Radiation Therapy. Advances in Robotics & Automation, 2012, 01, .	0.2	1
138	Calibration of Brachytherapy Robotic System for Permanent Radioactive Seed Implants. , 2012, , .		0
139	WE-G-213CD-06: Implementation of Real-Time Tumor Tracking Using Robotic Couch. Medical Physics, 2012, 39, 3971-3972.	1.6	0
140	SU-E-T-166: Use of an in Vivo Dosimeter to Assess the Implications of Daily Prostate Rotations. Medical Physics, 2012, 39, 3741-3741.	1.6	0
141	SUâ€Eâ€Tâ€131: Influence of Scanning Speed on Measurements of Field Flatness and Symmetry of Photon Beams. Medical Physics, 2012, 39, 3733-3733.	1.6	0
142	On finite and practical stability of time delayed systems: Lyapunov-Krassovski approach, delay dependent criteria. , 2011, , .		7
143	A new approach to stability of singular time delay systems in the sense of non-Lyapunov delay independent conditions. , 2011, , .		1
144	Further results on stability of linear discrete time delay systems over a finite time interval: Novel delay-independent conditions. , 2011, , .		2

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145	On finite time and practical stability of linear discrete time delay systems. , 2011, , .		4
146	In Vivo Dosimeters Identify Delivered Doses That Exceed Planned Doses for Prostate Cancer Radiotherapy. International Journal of Radiation Oncology Biology Physics, 2011, 81, S212.	0.4	1
147	Reliability of EUCLIDIAN: An autonomous robotic system for imageâ€guided prostate brachytherapy. Medical Physics, 2011, 38, 96-106.	1.6	12
148	Usage of Mixed Seed Technique for Permanent Seed Implants: A Feasibility Study. Brachytherapy, 2011, 10, S64.	0.2	0
149	A robotic approach to 4D real-time tumor tracking for radiotherapy. Physics in Medicine and Biology, 2011, 56, 1299-1318.	1.6	49
150	Active tracking and dynamic dose delivery for robotic couch in radiation therapy. , 2011, 2011, 2156-9.		9
151	Time delayed system stability theory in the sense of non-Lyapunov delay independent and delay dependent approach: New results. , 2011, , .		0
152	Multichannel Robotic System for Surgical Procedures. , 2011, , .		1
153	Calibration of Brachytherapy Robotic System for Permanent Radioactive Seed Implants. , 2011, , .		0
154	SU-E-T-233: Commissioning of An Implantable Dosimeter for External Beam Radiation Therapy. Medical Physics, 2011, 38, 3540-3540.	1.6	0
155	SU-E-T-246: Practical Quality Assurance for Image-Guided Robotic Brachytherapy System. Medical Physics, 2011, 38, 3543-3543.	1.6	0
156	SU-E-T-136: Measure the Actual Radiation Dose Delivered for Prostate IMRT Treatment Using An Implantable MOSFET Dosimeter. Medical Physics, 2011, 38, 3517-3517.	1.6	0
157	Dosimetric Evaluation of Tumor Tracking in 4D Radiotherapy. International Journal of Radiation Oncology Biology Physics, 2010, 78, S689.	0.4	6
158	MIRAB: An Image-Guided Multichannel Robot for Prostate Brachytherapy. International Journal of Radiation Oncology Biology Physics, 2010, 78, S810.	0.4	12
159	Prediction Control for Brachytherapy Robotic System. Journal of Robotics, 2010, 2010, 1-10.	0.6	13
160	A new approach to the stability of time-delay systems in the sense of Non-Lyapunov delay-independent and delay-dependent criteria. , 2010, , .		6
161	Multichannel Robot for Image-Guided Brachytherapy. , 2010, , .		9
162	A Comparative Study of a Novel AE-nLMS Filter and Two Traditional Filters in Predicting Respiration Induced Motion of the Tumor. , 2010, , .		6

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163	Modular Software Design for Brachytherapy Image-Guided Robotic Systems. , 2010, , .		3
164	A geometric approach to the investigation of the dynamics of constrained robotic systems. , 2010, , .		4
165	Tumor Motion Prediction and Tracking in Adaptive Radiotherapy. , 2010, , .		17
166	SU-GG-T-32: Dosimetric Advantages of Active Tracking and Dynamic Delivery. Medical Physics, 2010, 37, 3191-3191.	1.6	5
167	MIRAB: An Image-Guided Multichannel Robot for Prostate Brachytherapy. , 2010, 3, .		3
168	A Procedure for Standardizing MLC Quality Assurance for Elekta Linac. , 2010, 3, .		0
169	Dosimetric Advantages of Active Tracking and Dynamic Dose Delivery. , 2010, 3, .		0
170	Performance Study of Novel Accelerationenhanced Filters in the Prediction of Normal and Irregular Respiration Motion. , 2010, 3, .		0
171	Dosimetric Evaluation of Tumor Tracking in 4D Radiotherapy. , 2010, 3, .		0
172	SU-GG-T-01: Performance Study of Novel Acceleration-Enhanced Filters in the Prediction of Normal and Irregular Respiration Motion. Medical Physics, 2010, 37, 3183-3183.	1.6	0
173	SUâ€GGâ€Tâ€313: A Procedure for Standardizing MLC Quality Assurance for Elekta Linacs. Medical Physics, 2010, 37, 3258-3258.	1.6	0
174	Chronic Dysphagia after IMRT/Chemotherapy is Associated with Higher Mean Pharyngeal Constrictor Dose. International Journal of Radiation Oncology Biology Physics, 2009, 75, S396.	0.4	0
175	SU-DD-A2-06: Reliability Growth of a Fully Automated Robotic IGBT System. Medical Physics, 2009, 36, 2424-2424.	1.6	1
176	Radioactive seed immobilization techniques for interstitial brachytherapy. International Journal of Computer Assisted Radiology and Surgery, 2008, 3, 165-171.	1.7	5
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