

Michael Jackson

List of Publications by Year in descending order

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59
papers

1,948
citations

430442

18
h-index

253896

43
g-index

60
all docs

60
docs citations

60
times ranked

2785
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of MOSFET Dosimeters for Alpha Particle Therapy. IEEE Transactions on Nuclear Science, 2022, 69, 925-931.	1.2	0
2	Quantitative analysis of dose-averaged linear energy transfer (LET _d) robustness in pencil beam scanning proton lung plans. Medical Physics, 2022, , .	1.6	2
3	Radiation Shielding Evaluation of Spacecraft Walls Against Heavy Ions Using Microdosimetry. IEEE Transactions on Nuclear Science, 2021, 68, 897-905.	1.2	11
4	Consistency of small-field dosimetry, on and off axis, in beam-matched linacs used for stereotactic radiosurgery. Journal of Applied Clinical Medical Physics, 2021, 22, 185-193.	0.8	5
5	Pre-treatment and real-time image guidance for a fixed-beam radiotherapy system. Physics in Medicine and Biology, 2021, 66, 064003.	1.6	1
6	The adaptation and investigation of cone-beam CT reconstruction algorithms for horizontal rotation fixed-gantry scans of rabbits. Physics in Medicine and Biology, 2021, 66, 105012.	1.6	2
7	In-field and out-of-field microdosimetric characterisation of a 62 MeV proton beam at CATANA. Medical Physics, 2021, 48, 4532-4541.	1.6	4
8	Characterization of a novel large area microdosimeter system for low dose rate radiation environments. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 1002, 165238.	0.7	3
9	SOI Thin Microdosimeters for High LET Single-Event Upset Studies in Fe, O, Xe, and Cocktail Ion Beam Fields. IEEE Transactions on Nuclear Science, 2020, 67, 146-153.	1.2	11
10	The Prognostic Role of the Surgical Margins in Squamous Vulvar Cancer: A Retrospective Australian Study. Cancers, 2020, 12, 3375.	1.7	11
11	Real-time in-vivo dosimetry for DaRT. Journal of Physics: Conference Series, 2020, 1662, 012031.	0.3	0
12	On the Combined Effect of Silicon Oxide Thickness and Boron Implantation Under the Gate in MOSFET Dosimeters. IEEE Transactions on Nuclear Science, 2020, 67, 534-540.	1.2	9
13	INVESTIGATING VARIABLE RBE IN A 12C MINIBEAM FIELD WITH MICRODOSIMETRY AND GEANT4. Radiation Protection Dosimetry, 2019, 183, 160-166.	0.4	3
14	Development and commissioning of a full-size prototype fixed-beam radiotherapy system with horizontal patient rotation. Medical Physics, 2019, 46, 1331-1340.	1.6	7
15	A low literacy targeted talking book about radiation therapy for cancer: development and acceptability. Supportive Care in Cancer, 2019, 27, 2057-2067.	1.0	4
16	Thin Silicon Microdosimeter Utilizing 3-D MEMS Fabrication Technology: Charge Collection Study and Its Application in Mixed Radiation Fields. IEEE Transactions on Nuclear Science, 2018, 65, 467-472.	1.2	27
17	A CBCT study of the gravity-induced movement in rotating rabbits. Physics in Medicine and Biology, 2018, 63, 105012.	1.6	7
18	Impact of salvage treatment modalities in patients with positive FDG-PET/CT after R-CHOP chemotherapy for aggressive B-cell non-Hodgkin lymphoma. Journal of Medical Imaging and Radiation Oncology, 2018, 62, 432-439.	0.9	1

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19	The relative biological effectiveness for carbon, nitrogen, and oxygen ion beams using passive and scanning techniques evaluated with fully 3D silicon microdosimeters. Medical Physics, 2018, 45, 2299-2308.	1.6	38
20	High spatial resolution microdosimetry with monolithic $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="mml13" display="inline" overflow="scroll" altimg="si1.gif" \rangle \langle \text{mml:mi} \rangle \hat{I} \langle / \text{mml:mi} \rangle \langle / \text{mml:math} \rangle$ E-E detector on $\hat{A}12\text{C}$ beam: Monte Carlo simulations and experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 887, 70-80.	0.7	11
21	Semiconductor real-time quality assurance dosimetry in brachytherapy. Brachytherapy, 2018, 17, 133-145.	0.2	12
22	Patient reported outcomes of slow, single arc rotation: Do we need rotating gantries?. Journal of Medical Imaging and Radiation Oncology, 2018, 62, 553-561.	0.9	10
23	First in vitro evidence of modulated electro-hyperthermia treatment performance in combination with megavoltage radiation by clonogenic assay. Scientific Reports, 2018, 8, 16608.	1.6	11
24	Cone-beam CT reconstruction with gravity-induced motion. Physics in Medicine and Biology, 2018, 63, 205007.	1.6	5
25	Characterization of $\langle \text{scp} \rangle$ ELEKTA SRS $\langle / \text{scp} \rangle$ cone collimator using high spatial resolution monolithic silicon detector array $\langle / \text{sc} \rangle$. Journal of Applied Clinical Medical Physics, 2018, 19, 114-124.	0.8	15
26	Biologically Targeted Magnetic Hyperthermia: Potential and Limitations. Frontiers in Pharmacology, 2018, 9, 831.	1.6	340
27	Spermatogonia survival in young ram lambs following irradiation, Busulfan or thermal treatment. Small Ruminant Research, 2018, 166, 22-27.	0.6	6
28	In-field and out-of-file application in 12C ion therapy using fully 3D silicon microdosimeters. Radiation Measurements, 2018, 115, 55-59.	0.7	15
29	RBE study using solid state microdosimetry in heavy ion therapy. Radiation Measurements, 2017, 106, 512-518.	0.7	14
30	Feasibility study of a novel multi-strip silicon detector for use in proton therapy range verification quality assurance. Radiation Measurements, 2017, 106, 378-384.	0.7	4
31	Characterization of proton pencil beam scanning and passive beam using a high spatial resolution solid $\langle / \text{sc} \rangle$ state microdosimeter. Medical Physics, 2017, 44, 6085-6095.	1.6	53
32	Neutron shielding for a new projected proton therapy facility: A Geant4 simulation study. Physica Medica, 2016, 32, 1862-1871.	0.4	5
33	Functional imaging equivalence and proof of concept for image-guided adaptive radiotherapy with fixed gantry and rotating couch. Advances in Radiation Oncology, 2016, 1, 365-372.	0.6	10
34	Particles in the South Pacific. International Journal of Radiation Oncology Biology Physics, 2016, 95, 19-20.	0.4	2
35	Should children travel overseas for proton therapy?. Journal of Medical Imaging and Radiation Oncology, 2016, 60, 102-104.	0.9	0
36	Testing the $\langle \text{scp} \rangle$ A $\langle / \text{sc} \rangle$ assessment of $\langle \text{scp} \rangle$ N $\langle / \text{sc} \rangle$ ew $\langle \text{scp} \rangle$ R $\langle / \text{sc} \rangle$ adiation $\langle \text{scp} \rangle$ O $\langle / \text{sc} \rangle$ ncology $\langle \text{scp} \rangle$ T $\langle / \text{sc} \rangle$ echnology and $\langle \text{scp} \rangle$ T $\langle / \text{sc} \rangle$ reatments framework using the evaluation of post $\langle / \text{sc} \rangle$ prostatectomy radiotherapy techniques. Journal of Medical Imaging and Radiation Oncology, 2016, 60, 129-137.	0.9	2

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37	Development of the Assessment of New Radiation Oncology Group: Development of the Assessment of New Radiation Oncology Technology and Treatments (ANROTAT) Framework. <i>Journal of Medical Imaging and Radiation Oncology</i> , 2015, 59, 363-370.	0.9	12
38	3D Silicon Microdosimetry and RBE Study Using C^{12} Ion of Different Energies. <i>IEEE Transactions on Nuclear Science</i> , 2015, 62, 3027-3033.	1.2	34
39	Radiative heating of superficial human tissues with the use of water-filtered infrared-A radiation: A computational modeling. <i>International Journal of Heat and Mass Transfer</i> , 2015, 85, 311-320.	2.5	38
40	3D-Mesa Bridge Silicon Microdosimeter: Charge Collection Study and Application to RBE Studies in C^{12} Radiation Therapy. <i>IEEE Transactions on Nuclear Science</i> , 2015, 62, 504-511.	1.2	37
41	High-dose-rate brachytherapy boost for prostate cancer: Outcomes and genitourinary toxicity. <i>Brachytherapy</i> , 2015, 14, 670-676.	0.2	15
42	Optimal uptake rates for initial treatments for cervical cancer in concordance with guidelines in Australia and Canada: Results from two large cancer facilities. <i>Cancer Epidemiology</i> , 2015, 39, 600-611.	0.8	13
43	A decision model to estimate the cost-effectiveness of intensity modulated radiation therapy (IMRT) compared to three dimensional conformal radiation therapy (3DCRT) in patients receiving radiotherapy to the prostate bed. <i>Radiotherapy and Oncology</i> , 2014, 112, 187-193.	0.3	19
44	Primary Surgical Management With Tailored Adjuvant Radiation for Stage IB2 Cervical Cancer. <i>Obstetrics and Gynecology</i> , 2013, 121, 765-772.	1.2	10
45	Conference of the International Clinical Hyperthermia Society 2012. <i>Conference Papers in Medicine</i> , 2013, 2013, 1-3.	0.6	2
46	Indirect heating strategy for laser induced hyperthermia: An advanced thermal model. <i>International Journal of Heat and Mass Transfer</i> , 2012, 55, 4688-4700.	2.5	107
47	HDR brachytherapy combined with external beam radiation for localised prostate cancer: Early experience from the Sydney Cancer Centre. <i>Journal of Medical Imaging and Radiation Oncology</i> , 2012, 56, 220-226.	0.9	17
48	A combined transient thermal model for laser hyperthermia of tumors with embedded gold nanoshells. <i>International Journal of Heat and Mass Transfer</i> , 2011, 54, 5459-5469.	2.5	119
49	Clinical Trials of a Urethral Dose Measurement System in Brachytherapy Using Scintillation Detectors. <i>International Journal of Radiation Oncology Biology Physics</i> , 2011, 79, 609-615.	0.4	46
50	A review of in vitro experimental evidence for the effect of spatial and temporal modulation of radiation dose on response. <i>Acta Oncologica</i> , 2010, 49, 1344-1353.	0.8	10
51	Irradiation Enhances the Efficiency of Testicular Germ Cell Transplantation in Sheep. <i>Biology of Reproduction</i> , 2009, 81, 898-905.	1.2	104
52	Accuracy of positron emission tomography in the evaluation of patients treated with chemoradiotherapy for mucosal head and neck cancer. <i>Head and Neck</i> , 2009, 31, 244-250.	0.9	32
53	neck nodal control without planned neck dissection for clinical/radiologic complete responders: Results of Trans Tasman Radiation Oncology Group Study 98.02. <i>Head and Neck</i> , 2008, 30, 737-742.	0.9	109
54	Prospective Evaluation of Quality of Life and Nutrition Before and After Treatment for Nasopharyngeal Carcinoma. <i>JAMA Otolaryngology</i> , 2007, 133, 533.	1.5	78

#	ARTICLE	IF	CITATIONS
55	Outcome of treatment for advanced cervical metastatic squamous cell carcinoma. Head and Neck, 2005, 27, 87-94.	0.9	47
56	Tirapazamine, Cisplatin, and Radiation Versus Fluorouracil, Cisplatin, and Radiation in Patients With Locally Advanced Head and Neck Cancer: A Randomized Phase II Trial of the Trans-Tasman Radiation Oncology Group (TROG 98.02). Journal of Clinical Oncology, 2005, 23, 79-87.	0.8	237
57	Cancer Consultation Preparation Package: Changing Patients but Not Physicians Is Not Enough. Journal of Clinical Oncology, 2004, 22, 4401-4409.	0.8	140
58	Survival following whole brain radiation treatment for cerebral metastases: an audit of 474 patients. Radiotherapy and Oncology, 2004, 71, 259-265.	0.3	61
59	What is the effect of a low literacy talking book on patient knowledge, anxiety and communication before radiation therapy starts? A pilot study. Journal of Medical Radiation Sciences, 0, , .	0.8	0