

Puthenparampil A Wilson

List of Publications by Year in descending order

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17
papers

467
citations

840119

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17
times ranked

923
citing authors

#	ARTICLE	IF	CITATIONS
1	Normal tissue complication probability modeling to guide individual treatment planning in pediatric cranial proton and photon radiotherapy. <i>Medical Physics</i> , 2022, 49, 742-755.	1.6	3
2	Lifetime attributable risk of radiation induced second primary cancer from scattering and scanning proton therapy – A model for out-of-field organs of paediatric patients with cranial cancer. <i>Radiotherapy and Oncology</i> , 2022, 172, 65-75.	0.3	2
3	Translational Research in FLASH Radiotherapy – From Radiobiological Mechanisms to In Vivo Results. <i>Biomedicines</i> , 2021, 9, 181.	1.4	25
4	Normal tissue tolerance amongst paediatric brain tumour patients- current evidence in proton radiotherapy. <i>Critical Reviews in Oncology/Hematology</i> , 2021, 164, 103415.	2.0	2
5	Influence of Target Location, Size, and Patient Age on Normal Tissue Sparing- Proton and Photon Therapy in Paediatric Brain Tumour Patient-Specific Approach. <i>Cancers</i> , 2020, 12, 2578.	1.7	11
6	Clinical Limitations of Photon, Proton and Carbon Ion Therapy for Pancreatic Cancer. <i>Cancers</i> , 2020, 12, 163.	1.7	9
7	Validation of a Vasculogenesis Microfluidic Model for Radiobiological Studies of the Human Microvasculature. <i>Advanced Materials Technologies</i> , 2019, 4, 1800726.	3.0	23
8	Experimental investigation of radiobiology in head and neck cancer cell lines as a function of HPV status, by MTT assay. <i>Scientific Reports</i> , 2018, 8, 7744.	1.6	6
9	Current understanding of cancer stem cells: Review of their radiobiology and role in head and neck cancers. <i>Head and Neck</i> , 2017, 39, 1920-1932.	0.9	40
10	In vitro investigation of head and neck cancer stem cell proportions and their changes following X-ray irradiation as a function of HPV status. <i>PLoS ONE</i> , 2017, 12, e0186186.	1.1	18
11	Position statement on ethics, equipoise and research on charged particle radiation therapy. <i>Journal of Medical Ethics</i> , 2014, 40, 572-575.	1.0	20
12	Revisiting the ultra-high dose rate effect: implications for charged particle radiotherapy using protons and light ions. <i>British Journal of Radiology</i> , 2012, 85, e933-e939.	1.0	62
13	Dilemmas concerning dose distribution and the influence of relative biological effect in proton beam therapy of medulloblastoma. <i>British Journal of Radiology</i> , 2012, 85, e912-e918.	1.0	52
14	Weibel-Induced Filamentation during an Ultrafast Laser-Driven Plasma Expansion. <i>Physical Review Letters</i> , 2012, 108, 135001.	2.9	51
15	On the investigation of fast electron beam filamentation in laser-irradiated solid targets using multi-MeV proton emission. <i>Plasma Physics and Controlled Fusion</i> , 2011, 53, 124012.	0.9	12
16	Laser-Driven Ultrafast Field Propagation on Solid Surfaces. <i>Physical Review Letters</i> , 2009, 102, 194801.	2.9	87
17	Proton probing measurement of electric and magnetic fields generated by ns and ps laser-matter interactions. <i>Laser and Particle Beams</i> , 2008, 26, 241-248.	0.4	44