Puthenparampil A Wilson

List of Publications by Year
in descending order

17	467	840119 11	887659 17
papers	citations	h-index	g-index

17	17	17	923
all docs	docs citations	times ranked	citing authors

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