

Benjamin James

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Application of an SOI Microdosimeter for Monitoring of Neutrons in Various Mixed Radiation Field Environments. IEEE Transactions on Nuclear Science, 2022, 69, 491-500.	1.2	2
2	Silicon 3D Microdosimeters for Advanced Quality Assurance in Particle Therapy. Applied Sciences (Switzerland), 2022, 12, 328.	1.3	9
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	Modelling of protons spectra encountered in space using medical accelerator and its microdosimetric characterization. Advances in Space Research, 2021, 67, 2534-2543.	1.2	2
5	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
6	Study on the RBE estimation for carbon beam scanning irradiation using a solid-state microdosimeter. Medical Physics, 2020, 47, 363-370.	1.6	1
7	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
8	A Solid-State Microdosimeter for Dose and Radiation Quality Monitoring for Astronauts in Space. IEEE Transactions on Nuclear Science, 2020, 67, 169-174.	1.2	9
9	Experimental investigation of the characteristics of radioactive beams for heavy ion therapy. Medical Physics, 2020, 47, 3123-3132.	1.6	6
10	Microdosimetry of a therapeutic proton beam with a mini-TEPC and a MicroPlus-Bridge detector for RBE assessment. Physics in Medicine and Biology, 2020, 65, 245018.	1.6	28
11	INVESTIGATING VARIABLE RBE IN A 12C MINIBEAM FIELD WITH MICRODOSIMETRY AND GEANT4. Radiation Protection Dosimetry, 2019, 183, 160-166.	0.4	3
12	SOI Thin Microdosimeter Detectors for Low-Energy Ions and Radiation Damage Studies. IEEE Transactions on Nuclear Science, 2019, 66, 320-326.	1.2	13