

Djo'connor

List of Publications by Year in descending order

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papers

623
citations

623699

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29
all docs

29
docs citations

29
times ranked

520
citing authors

#	ARTICLE	IF	CITATIONS
1	Radiation damage of MoAlB at elevated temperatures: Investigating MAB phases as potential neutron shielding materials. <i>Journal of the European Ceramic Society</i> , 2022, 42, 1311-1321.	5.7	8
2	Defect behavior and radiation tolerance of MAB phases (MoAlB and Fe ₂ AlB ₂) with comparison to MAX phases. <i>Acta Materialia</i> , 2020, 196, 505-515.	7.9	40
3	Structural changes of Ti ₃ SiC ₂ induced by helium irradiation with different doses. <i>Applied Surface Science</i> , 2018, 434, 1210-1216.	6.1	24
4	The damage evolution of He irradiation on Ti ₃ SiC ₂ as a function of annealing temperature. <i>Journal of the European Ceramic Society</i> , 2018, 38, 1253-1264.	5.7	36
5	Commissioning and quality assurance for VMAT delivery systems: An efficient time-resolved system using real-time EPID imaging. <i>Medical Physics</i> , 2017, 44, 3909-3922.	3.0	10
6	Real-time in vivo rectal wall dosimetry using MOSkin detectors during linac based stereotactic radiotherapy with rectal displacement. <i>Radiation Oncology</i> , 2017, 12, 41.	2.7	17
7	An EPID-based system for gantry-resolved MLC quality assurance for VMAT. <i>Journal of Applied Clinical Medical Physics</i> , 2016, 17, 348-365.	1.9	12
8	Deposition and characterization of Ti ₂ AlC MAX phase and Ti ₃ AlC thin films by magnetron sputtering. <i>Materials Letters</i> , 2016, 179, 194-197.	2.6	35
9	Near Surface Changes Due to 700 keV Si ⁺ Irradiation of Titanium Silicon Carbide. <i>Journal of the American Ceramic Society</i> , 2015, 98, 4050-4057.	3.8	6
10	Dose-to-water conversion for the backscatter-shielded EPID: A frame-based method to correct for EPID energy response to MLC transmitted radiation. <i>Medical Physics</i> , 2014, 41, 081716.	3.0	5
11	Structure and deuterium retention properties of tungsten layers deposited by plasma sputtering in a mixed atmosphere of D ₂ and He. <i>Journal of Nuclear Materials</i> , 2014, 446, 200-207.	2.7	13
12	An independent system for real-time dynamic multileaf collimation trajectory verification using EPID. <i>Physics in Medicine and Biology</i> , 2014, 59, 61-81.	3.0	14
13	Damage accumulation and recovery in C ⁺ -irradiated Ti ₃ SiC ₂ . <i>Acta Materialia</i> , 2014, 66, 317-325.	7.9	49
14	Surface damage of Ti ₃ SiC ₂ by MeV iodine bombardment. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2013, 307, 536-540.	1.4	14
15	Deuterium retention in the carbon co-deposition layers deposited by magnetron sputtering in D ₂ /He atmosphere. <i>Journal of Nuclear Materials</i> , 2013, 436, 93-99.	2.7	3
16	A system for EPID-based real-time treatment delivery verification during dynamic IMRT treatment. <i>Medical Physics</i> , 2013, 40, 091907.	3.0	34
17	Investigation of the sag in linac secondary collimator and MLC carriage during arc deliveries. <i>Physics in Medicine and Biology</i> , 2012, 57, N209-N224.	3.0	17
18	Damage tolerance of Ti ₃ SiC ₂ to high energy iodine irradiation. <i>Applied Surface Science</i> , 2012, 258, 6281-6287.	6.1	78

#	ARTICLE	IF	CITATIONS
19	Detection and correction for EPID and gantry sag during arc delivery using cine EPID imaging. Medical Physics, 2012, 39, 623-635.	3.0	52
20	Improvement of Varian a-Si EPID dosimetry measurements using a lead-shielded support-arm. Medical Dosimetry, 2012, 37, 145-151.	0.9	4
21	Verification of the linac isocenter for stereotactic radiosurgery using cine EPID imaging and arc delivery. Medical Physics, 2011, 38, 3963-3970.	3.0	41
22	Field ionization detectors: a comparative model. Measurement Science and Technology, 2011, 22, 015901.	2.6	3
23	Measurement and modeling of the effect of support arm backscatter on dosimetry with a Varian EPID. Medical Physics, 2010, 37, 2269-2278.	3.0	52
24	Reduction of the effect of non-uniform backscatter from an E-type support arm of a Varian a-Si EPID used for dosimetry. Physics in Medicine and Biology, 2010, 55, 6617-6632.	3.0	9
25	Intelligent methods for solving inverse problems of backscattering spectra with noise: a comparison between neural networks and simulated annealing. Neural Computing and Applications, 2009, 18, 423-430.	5.6	14
26	Step mediated surface alloy formation of Pt/Cu(111). Surface Science, 2005, 588, 101-107.	1.9	20
27	Submonolayer alloying of copper on vicinal platinum: a combined atom and ion scattering study. Physical Review B, 2004, 70, .	3.2	5
28	Growth and alloying of submonolayer Cu on Pt(121211). Vacuum, 2004, 73, 115-121.	3.5	3
29	Modeling and measurement of Al interlayer diffusion in Pd(100): A low-energy ion scattering study. Physical Review B, 2004, 69, .	3.2	5