

Djo'connor

List of Publications by Year in descending order

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papers

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623699

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29
all docs

29
docs citations

29
times ranked

520
citing authors

#	ARTICLE	IF	CITATIONS
1	Damage tolerance of Ti ₃ SiC ₂ to high energy iodine irradiation. Applied Surface Science, 2012, 258, 6281-6287.	6.1	78
2	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
3	Detection and correction for EPID and gantry sag during arc delivery using cine EPID imaging. Medical Physics, 2012, 39, 623-635.	3.0	52
4	Damage accumulation and recovery in C ⁺ -irradiated Ti ₃ SiC ₂ . Acta Materialia, 2014, 66, 317-325.	7.9	49
5	Verification of the linac isocenter for stereotactic radiosurgery using cine EPID imaging and arc delivery. Medical Physics, 2011, 38, 3963-3970.	3.0	41
6	Defect behavior and radiation tolerance of MAB phases (MoAlB and Fe ₂ AlB ₂) with comparison to MAX phases. Acta Materialia, 2020, 196, 505-515.	7.9	40
7	The damage evolution of He irradiation on Ti ₃ SiC ₂ as a function of annealing temperature. Journal of the European Ceramic Society, 2018, 38, 1253-1264.	5.7	36
8	Deposition and characterization of Ti ₂ AlC MAX phase and Ti ₃ AlC thin films by magnetron sputtering. Materials Letters, 2016, 179, 194-197.	2.6	35
9	A system for EPID-based real-time treatment delivery verification during dynamic IMRT treatment. Medical Physics, 2013, 40, 091907.	3.0	34
10	Structural changes of Ti ₃ SiC ₂ induced by helium irradiation with different doses. Applied Surface Science, 2018, 434, 1210-1216.	6.1	24
11	Step mediated surface alloy formation of Pt/Cu(111). Surface Science, 2005, 588, 101-107.	1.9	20
12	Investigation of the sag in linac secondary collimator and MLC carriage during arc deliveries. Physics in Medicine and Biology, 2012, 57, N209-N224.	3.0	17
13	Real-time in vivo rectal wall dosimetry using MOSkin detectors during linac based stereotactic radiotherapy with rectal displacement. Radiation Oncology, 2017, 12, 41.	2.7	17
14	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
15	Surface damage of Ti ₃ SiC ₂ by MeV iodine bombardment. Nuclear Instruments & Methods in Physics Research B, 2013, 307, 536-540.	1.4	14
16	An independent system for real-time dynamic multileaf collimation trajectory verification using EPID. Physics in Medicine and Biology, 2014, 59, 61-81.	3.0	14
17	Structure and deuterium retention properties of tungsten layers deposited by plasma sputtering in a mixed atmosphere of D ₂ and He. Journal of Nuclear Materials, 2014, 446, 200-207.	2.7	13
18	An EPID-based system for gantry-resolved MLC quality assurance for VMAT. Journal of Applied Clinical Medical Physics, 2016, 17, 348-365.	1.9	12

#	ARTICLE	IF	CITATIONS
19	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
20	Reduction of the effect of non-uniform backscatter from an E-type support arm of a Varian a-Si EPID used for dosimetry. <i>Physics in Medicine and Biology</i> , 2010, 55, 6617-6632.	3.0	9
21	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
22	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
23	Submonolayer alloying of copper on vicinal platinum: ρ combined atom and ion scattering study. <i>Physical Review B</i> , 2004, 70, .	3.2	5
24	Modeling and measurement of Al interlayer diffusion in Pd(100): A low-energy ion scattering study. <i>Physical Review B</i> , 2004, 69, .	3.2	5
25	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
26	Improvement of Varian a-Si EPID dosimetry measurements using a lead-shielded support-arm. <i>Medical Dosimetry</i> , 2012, 37, 145-151.	0.9	4
27	Growth and alloying of submonolayer Cu on Pt(121211). <i>Vacuum</i> , 2004, 73, 115-121.	3.5	3
28	Field ionization detectors: a comparative model. <i>Measurement Science and Technology</i> , 2011, 22, 015901.	2.6	3
29	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