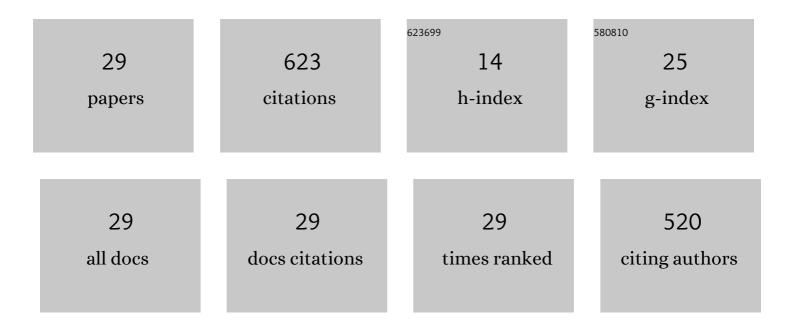
Djo'connor

List of Publications by Year in descending order

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DIO'CONNOR

#	Article	IF	CITATIONS
1	Radiation damage of MoAlB at elevated temperatures: Investigating MAB phases as potential neutron shielding materials. Journal of the European Ceramic Society, 2022, 42, 1311-1321.	5.7	8
2	Defect behavior and radiation tolerance of MAB phases (MoAlB and Fe2AlB2) with comparison to MAX phases. Acta Materialia, 2020, 196, 505-515.	7.9	40
3	Structural changes of Ti3SiC2 induced by helium irradiation with different doses. Applied Surface Science, 2018, 434, 1210-1216.	6.1	24
4	The damage evolution of He irradiation on Ti3SiC2 as a function of annealing temperature. Journal of the European Ceramic Society, 2018, 38, 1253-1264.	5.7	36
5	Commissioning and quality assurance for VMAT delivery systems: An efficient timeâ€resolved system using realâ€time EPID imaging. Medical Physics, 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. Radiation Oncology, 2017, 12, 41.	2.7	17
7	An EPIDâ€based system for gantryâ€resolved MLC quality assurance for VMAT. Journal of Applied Clinical Medical Physics, 2016, 17, 348-365.	1.9	12
8	Deposition and characterization of Ti2AlC MAX phase and Ti3AlC thin films by magnetron sputtering. Materials Letters, 2016, 179, 194-197.	2.6	35
9	Near Surface Changes Due to 700ÂkeV Si ⁺ Irradiation of Titanium Silicon Carbide. Journal of the American Ceramic Society, 2015, 98, 4050-4057.	3.8	6
10	Doseâ€ŧoâ€water conversion for the backscatterâ€shielded EPID: A frameâ€based method to correct for EPID energy response to MLC transmitted radiation. Medical Physics, 2014, 41, 081716.	3.0	5
11	Structure and deuterium retention properties of tungsten layers deposited by plasma sputtering in a mixed atmosphere of D2 and He. Journal of Nuclear Materials, 2014, 446, 200-207.	2.7	13
12	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
13	Damage accumulation and recovery in C+-irradiated Ti3SiC2. Acta Materialia, 2014, 66, 317-325.	7.9	49
14	Surface damage of Ti3SiC2 by MeV iodine bombardment. Nuclear Instruments & Methods in Physics Research B, 2013, 307, 536-540.	1.4	14
15	Deuterium retention in the carbon co-deposition layers deposited by magnetron sputtering in D2/He atmosphere. Journal of Nuclear Materials, 2013, 436, 93-99.	2.7	3
16	A system for EPIDâ€based realâ€time treatment delivery verification during dynamic IMRT treatment. Medical Physics, 2013, 40, 091907.	3.0	34
17	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
18	Damage tolerance of Ti3SiC2 to high energy iodine irradiation. Applied Surface Science, 2012, 258, 6281-6287.	6.1	78

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#	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 cineâ€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.	3.2	5

29	Physical Review B, 2004, 69, .	67	0