

# Jan Ducho<sup>^</sup>

## List of Publications by Year in descending order

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papers

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18  
times ranked

148  
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#	ARTICLE	IF	CITATIONS
1	Revealing nanoscale strain mechanisms in ion-irradiated multilayers. <i>Acta Materialia</i> , 2022, 229, 117807.	7.9	31
2	The evolution of microstructure and mechanical properties of Zn-0.8Mg-0.2Sr alloy prepared by casting and extrusion. <i>Journal of Alloys and Compounds</i> , 2022, 906, 164308.	5.5	14
3	Selective laser melting of iron: Multiscale characterization of mechanical properties. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 800, 140316.	5.6	5
4	Ferroelectric phase transitions induced by a strain gradient. <i>Physical Review Research</i> , 2021, 3, .	3.6	7
5	Microstructure evolution and mechanical performance of ternary Zn-0.8Mg-0.2Sr (wt. %) alloy processed by equal-channel angular pressing. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 824, 141809.	5.6	17
6	Hierarchical TiO <sub>2</sub> Layers Prepared by Plasma Jets. <i>Nanomaterials</i> , 2021, 11, 3254.	4.1	2
7	Bimodal Microstructure in an AlZrTi Alloy Prepared by Mechanical Milling and Spark Plasma Sintering. <i>Materials</i> , 2020, 13, 3756.	2.9	3
8	Al <sub>2</sub> O <sub>3</sub> and Pt Atomic Layer Deposition for Surface Modification of NiTi Shape Memory Films. <i>Coatings</i> , 2020, 10, 746.	2.6	3
9	Flux pinning and microstructure of a bulk MgB <sub>2</sub> doped with diverse additives. <i>Superconductor Science and Technology</i> , 2020, 33, 094007.	3.5	10
10	Influence of Processing Conditions on Properties of AISI 316LN Steel Grade. <i>Journal of Materials Engineering and Performance</i> , 2020, 29, 1509-1514.	2.5	8
11	TEM observation of twins in surface grains of superelastic NiTi wire after cyclic loading. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 782, 139271.	5.6	4
12	Effect of Strain Rate and High Temperature Water on Deformation Structure of VVER Neutron Irradiated Core Internals Steel. <i>Minerals, Metals and Materials Series</i> , 2019, , 549-563.	0.4	2
13	Hardness response to the stability of a Ti(+N) solid solution in an annealed TiN/Ti(+N)/Ti mixture layer formed by nitrogen ion implantation into titanium. <i>Journal of Alloys and Compounds</i> , 2018, 746, 490-495.	5.5	17
14	CHARACTERISATION OF OXIDES BY ADVANCED TECHNIQUES. <i>Acta Metallurgica Slovaca</i> , 2018, 24, 13.	0.7	6
15	Neutron Irradiated Reactor Internals: An Applied Methodology for Specimen Preparation and Post Irradiation Examination by Electron Microscopy Methods. <i>Manufacturing Technology</i> , 2018, 18, 545-551.	1.4	3
16	Effect of Strain Rate and High Temperature Water on Deformation Structure of VVER Neutron Irradiated Core Internals Steel. <i>Minerals, Metals and Materials Series</i> , 2018, , 549-563.	0.4	0
17	Fracture Resistance of 14Cr ODS Steel Exposed to a High Temperature Gas. <i>Metals</i> , 2017, 7, 560.	2.3	2
18	Revealing Nanoscale Strain Mechanisms in Ion-Irradiated Multilayers. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0