

# Daniel Fabijanic

## List of Publications by Year in descending order

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Version: 2024-02-01

35  
papers

1,328  
citations

567281

15  
h-index

395702

33  
g-index

35  
all docs

35  
docs citations

35  
times ranked

1162  
citing authors

#	ARTICLE	IF	CITATIONS
1	On the enhanced corrosion resistance of a selective laser melted austenitic stainless steel. Scripta Materialia, 2017, 141, 94-98.	5.2	282
2	The sliding wear behaviour of CoCrFeMnNi and AlxCoCrFeNi high entropy alloys at elevated temperatures. Wear, 2019, 428-429, 32-44.	3.1	277
3	Direct laser deposition cladding of Al CoCrFeNi high entropy alloys on a high-temperature stainless steel. Surface and Coatings Technology, 2017, 332, 440-451.	4.8	123
4	The effect of post-processing heat treatment on the microstructure, residual stress and mechanical properties of selective laser melted 316L stainless steel. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 821, 141611.	5.6	93
5	Static recrystallization and grain growth behaviour of Al <sub>0.3</sub> CoCrFeNi high entropy alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 754, 282-294.	5.6	81
6	Dynamic recrystallization behaviour of AlxCoCrFeNi high entropy alloys during high-temperature plane strain compression. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 745, 90-106.	5.6	71
7	Microstructure and mechanical properties of a high entropy alloy with a eutectic composition (AlCoCrFeNi <sub>2.1</sub> ) synthesized by mechanical alloying and spark plasma sintering. Journal of Alloys and Compounds, 2020, 835, 155424.	5.5	49
8	In-situ quench and tempering for microstructure control and enhanced mechanical properties of laser clad AISI 420 stainless steel powder on 300M steel substrates. Surface and Coatings Technology, 2018, 333, 210-219.	4.8	46
9	Synthesis of Composite Nanosheets of Graphene and Boron Nitride and Their Lubrication Application in Oil. Advanced Engineering Materials, 2018, 20, 1700488.	3.5	35
10	Strengthening mechanisms in CrMoNbTiW refractory high entropy alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 819, 141503.	5.6	34
11	On the pitting behaviour of laser powder bed fusion prepared 316L stainless steel upon post-processing heat treatments. Corrosion Science, 2022, 197, 110060.	6.6	27
12	Microstructure and hardness characterisation of laser coatings produced with a mixture of AISI 420 stainless steel and Fe-C-Cr-Nb-B-Mo steel alloy powders. Surface and Coatings Technology, 2016, 296, 76-87.	4.8	20
13	Influence of mechanically activated annealing on phase evolution in Al <sub>0.3</sub> CoCrFeNi high-entropy alloy. Journal of Materials Science, 2019, 54, 14588-14598.	3.7	20
14	Precipitation behaviour and mechanical properties of a novel Al <sub>0.5</sub> MoTaTi complex concentrated alloy. Scripta Materialia, 2019, 173, 16-20.	5.2	17
15	Influence of cooling rate on the precipitation kinetics of nanoscale isothermal $\beta$ -phase in metastable $\beta$ -Ti alloy, Ti-5Al-5Mo-5V-3Cr. Journal of Alloys and Compounds, 2021, 859, 157822.	5.5	17
16	Numerical solution of gas-solid flow in fluidised bed at sub-atmospheric pressures. Advanced Powder Technology, 2012, 23, 485-492.	4.1	16
17	Microstructure, abrasive wear and corrosion characterisation of laser metal deposited Fe-30Cr-6Mo-10Ni-2.2C alloy. Wear, 2019, 438-439, 203070.	3.1	14
18	Influence of processing route on the alloying behavior, microstructural evolution and thermal stability of CrMoNbTiW refractory high-entropy alloy. Journal of Materials Research, 2020, 35, 1556-1571.	2.6	13

#	ARTICLE	IF	CITATIONS
19	Material wear map for ground-engaging steels based on scratch tests. <i>Wear</i> , 2018, 404-405, 153-165.	3.1	12
20	Evolution of phase constitution with mechanical alloying and spark plasma sintering of nanocrystalline Al <sub>x</sub> CoCrFeNi (x=0, 0.3, 0.6, 1Åmol) high-entropy alloys. <i>Journal of Materials Research</i> , 2022, 37, 959-975.	2.6	11
21	The Nitrocarburising Response of Low Temperature Bainite Steel. <i>Metals</i> , 2017, 7, 234.	2.3	9
22	The effect of heat treatment on the abrasive and erosive wear behaviour of laser metal deposited Fe-28Cr-2.7C alloy. <i>Wear</i> , 2020, 458-459, 203410.	3.1	8
23	Investigating the effect of segregation of particles and pressure gradient on the quality of fluidisation at sub-atmospheric pressures. <i>Powder Technology</i> , 2014, 254, 137-149.	4.2	7
24	Enhancing the localised corrosion resistance of 316L stainless steel via FBR-CVD chromising treatment. <i>Corrosion Engineering Science and Technology</i> , 2018, 53, 114-121.	1.4	7
25	Formation of a corrosion-resistant coating on zinc by a duplex plasma electrolytic oxidation and conversion surface treatment. <i>Surface and Coatings Technology</i> , 2020, 395, 125918.	4.8	7
26	Quantification of the Dislocation Density, Size, and Volume Fraction of Precipitates in Deep Cryogenically Treated Martensitic Steels. <i>Metals</i> , 2020, 10, 1561.	2.3	6
27	Bubble-wall interaction for asymmetric injection of jets in solid-gas fluidized bed. <i>Chemical Engineering Science</i> , 2013, 101, 56-68.	3.8	5
28	Cold Spray of Al-MMC Coatings on Magnesium Alloys for Improved Corrosion and Wear Resistance. <i>Materials Science Forum</i> , 0, 618-619, 377-380.	0.3	4
29	Precipitation behaviour of single and duplex aged metastable Î²-Ti alloy, Ti-5Al-5Mo-5V-3Cr. <i>Materials Science and Technology</i> , 2022, 38, 1110-1117.	1.6	4
30	Integrated fluid-thermal-structural numerical analysis for the quenching of metallic components. <i>Journal of Shanghai Jiaotong University (Science)</i> , 2011, 16, 137-140.	0.9	3
31	The effect of pre-heat temperature on the microstructure and abrasive wear properties of laser metal deposited near-eutectic Fe-28Cr-2.9C alloy. <i>Journal of Laser Applications</i> , 2020, 32, .	1.7	3
32	The ageing response of direct laser deposited metastable Î²-Ti alloy, Ti-5Al-5Mo-5V-3Cr. <i>Additive Manufacturing</i> , 2021, 48, 102384.	3.0	3
33	Internal material microarchitecture for a kink-resistant metal tube. <i>Acta Materialia</i> , 2013, 61, 331-340.	7.9	2
34	Analytical model to locate the fluidisation interface in a solid-gas vacuum fluidised bed. <i>Powder Technology</i> , 2014, 266, 463-474.	4.2	2
35	Surface Modification for Enhanced Corrosion Resistance Using Fluid Bed Reactor Chemical Vapour Deposition (FBR-CVD). <i>Materials Science Forum</i> , 2010, 654-656, 1956-1959.	0.3	0