

Daniel Fabijanic

List of Publications by Year in descending order

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35
papers

1,328
citations

566801

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395343

33
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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. <i>Scripta Materialia</i> , 2017, 141, 94-98.	2.6	282
2	The sliding wear behaviour of CoCrFeMnNi and AlxCoCrFeNi high entropy alloys at elevated temperatures. <i>Wear</i> , 2019, 428-429, 32-44.	1.5	277
3	Direct laser deposition cladding of Al CoCrFeNi high entropy alloys on a high-temperature stainless steel. <i>Surface and Coatings Technology</i> , 2017, 332, 440-451.	2.2	123
4	The effect of post-processing heat treatment on the microstructure, residual stress and mechanical properties of selective laser melted 316L stainless steel. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 821, 141611.	2.6	93
5	Static recrystallization and grain growth behaviour of Al _{0.3} CoCrFeNi high entropy alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 754, 282-294.	2.6	81
6	Dynamic recrystallization behaviour of AlxCoCrFeNi high entropy alloys during high-temperature plane strain compression. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 745, 90-106.	2.6	71
7	Microstructure and mechanical properties of a high entropy alloy with a eutectic composition (AlCoCrFeNi _{2.1}) synthesized by mechanical alloying and spark plasma sintering. <i>Journal of Alloys and Compounds</i> , 2020, 835, 155424.	2.8	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. <i>Surface and Coatings Technology</i> , 2018, 333, 210-219.	2.2	46
9	Synthesis of Composite Nanosheets of Graphene and Boron Nitride and Their Lubrication Application in Oil. <i>Advanced Engineering Materials</i> , 2018, 20, 1700488.	1.6	35
10	Strengthening mechanisms in CrMoNbTiW refractory high entropy alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 819, 141503.	2.6	34
11	On the pitting behaviour of laser powder bed fusion prepared 316L stainless steel upon post-processing heat treatments. <i>Corrosion Science</i> , 2022, 197, 110060.	3.0	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. <i>Surface and Coatings Technology</i> , 2016, 296, 76-87.	2.2	20
13	Influence of mechanically activated annealing on phase evolution in Al _{0.3} CoCrFeNi high-entropy alloy. <i>Journal of Materials Science</i> , 2019, 54, 14588-14598.	1.7	20
14	Precipitation behaviour and mechanical properties of a novel Al _{0.5} MoTaTi complex concentrated alloy. <i>Scripta Materialia</i> , 2019, 173, 16-20.	2.6	17
15	Influence of cooling rate on the precipitation kinetics of nanoscale isothermal γ' -phase in metastable β -Ti alloy, Ti-5Al-5Mo-5V-3Cr. <i>Journal of Alloys and Compounds</i> , 2021, 859, 157822.	2.8	17
16	Numerical solution of gas-solid flow in fluidised bed at sub-atmospheric pressures. <i>Advanced Powder Technology</i> , 2012, 23, 485-492.	2.0	16
17	Microstructure, abrasive wear and corrosion characterisation of laser metal deposited Fe-30Cr-6Mo-10Ni-2.2C alloy. <i>Wear</i> , 2019, 438-439, 203070.	1.5	14
18	Influence of processing route on the alloying behavior, microstructural evolution and thermal stability of CrMoNbTiW refractory high-entropy alloy. <i>Journal of Materials Research</i> , 2020, 35, 1556-1571.	1.2	13

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19	Material wear map for ground-engaging steels based on scratch tests. <i>Wear</i> , 2018, 404-405, 153-165.	1.5	12
20	Evolution of phase constitution with mechanical alloying and spark plasma sintering of nanocrystalline Al _x CoCrFeNi (x=0, 0.3, 0.6, 1Åmol) high-entropy alloys. <i>Journal of Materials Research</i> , 2022, 37, 959-975.	1.2	11
21	The Nitrocarburising Response of Low Temperature Bainite Steel. <i>Metals</i> , 2017, 7, 234.	1.0	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.	1.5	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.	2.1	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.	0.7	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.	2.2	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.	1.0	6
27	Bubble-wall interaction for asymmetric injection of jets in solid-gas fluidized bed. <i>Chemical Engineering Science</i> , 2013, 101, 56-68.	1.9	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 Î ² -Ti alloy, Ti-5Al-5Mo-5V-3Cr. <i>Materials Science and Technology</i> , 2022, 38, 1110-1117.	0.8	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.	0.5	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, .	0.8	3
32	The ageing response of direct laser deposited metastable Î ² -Ti alloy, Ti-5Al-5Mo-5V-3Cr. <i>Additive Manufacturing</i> , 2021, 48, 102384.	1.7	3
33	Internal material architecture for a kink-resistant metal tube. <i>Acta Materialia</i> , 2013, 61, 331-340.	3.8	2
34	Analytical model to locate the fluidisation interface in a solid-gas vacuum fluidised bed. <i>Powder Technology</i> , 2014, 266, 463-474.	2.1	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