

# Dennis Karlsson

## List of Publications by Year in descending order

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Version: 2024-02-01

19  
papers

1,135  
citations

759233

12  
h-index

839539

18  
g-index

19  
all docs

19  
docs citations

19  
times ranked

883  
citing authors

#	ARTICLE	IF	CITATIONS
1	Structure and phase transformations in gas atomized AlCoCrFeNi high entropy alloy powders. Journal of Alloys and Compounds, 2022, 893, 162060.	5.5	8
2	Simulation of phase evolution in a Zr-based glass forming alloy during multiple laser remelting. Journal of Materials Research and Technology, 2022, 16, 1165-1178.	5.8	11
3	Magnetic properties and thermal stability of B2 and bcc phases in AlCoCrFeMn Ni. Journal of Alloys and Compounds, 2021, 861, 158450.	5.5	8
4	Influence of nano-VC on the structural and magnetic properties of MnAlC-alloy. Scientific Reports, 2021, 11, 14453.	3.3	4
5	Experimental and theoretical evidence of charge transfer in multi-component alloys – how chemical interactions reduce atomic size mismatch. Materials Chemistry Frontiers, 2021, 5, 5746-5759.	5.9	14
6	Electrocatalytic activity of Pd–Au nanoalloys during methanol oxidation reaction. International Journal of Hydrogen Energy, 2020, 45, 4444-4456.	7.1	16
7	Additive manufacturing of the ferritic stainless steel SS441. Additive Manufacturing, 2020, 36, 101580.	3.0	10
8	The effect of laser scanning strategies on texture, mechanical properties, and site-specific grain orientation in selective laser melted 316L SS. Materials and Design, 2020, 193, 108852.	7.0	164
9	Development of process parameters for selective laser melting of a Zr-based bulk metallic glass. Additive Manufacturing, 2020, 33, 101124.	3.0	37
10	Thermal stability and crystallization of a Zr-based metallic glass produced by suction casting and selective laser melting. Journal of Alloys and Compounds, 2020, 825, 153995.	5.5	56
11	Counting electrons - A new approach to tailor the hydrogen sorption properties of high-entropy alloys. Acta Materialia, 2019, 175, 121-129.	7.9	118
12	Hydrogen storage in high-entropy alloys with varying degree of local lattice strain. International Journal of Hydrogen Energy, 2019, 44, 29140-29149.	7.1	85
13	Binder jetting of the AlCoCrFeNi alloy. Additive Manufacturing, 2019, 27, 72-79.	3.0	36
14	Elemental segregation in an AlCoCrFeNi high-entropy alloy – A comparison between selective laser melting and induction melting. Journal of Alloys and Compounds, 2019, 784, 195-203.	5.5	144
15	Thermal Stability of the HfNbTiVZr High-Entropy Alloy. Inorganic Chemistry, 2019, 58, 811-820.	4.0	46
16	Surface analysis of nickel nanomaterials electrodeposited on graphite surface. Micro and Nano Letters, 2019, 14, 1233-1237.	1.3	1
17	Structure and Hydrogenation Properties of a HfNbTiVZr High-Entropy Alloy. Inorganic Chemistry, 2018, 57, 2103-2110.	4.0	121
18	Superior hydrogen storage in high entropy alloys. Scientific Reports, 2016, 6, 36770.	3.3	255

#	ARTICLE	IF	CITATIONS
19	Precipitation Kinetics During Post-heat Treatment of an Additively Manufactured Ferritic Stainless Steel. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 0, , .	2.2	1