

# Dennis Karlsson

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5034496/publications.pdf>

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

#	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