

Simon Ewald

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1649629/publications.pdf>

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7
papers

106
citations

1937685

4
h-index

1872680

6
g-index

8
all docs

8
docs citations

8
times ranked

114
citing authors

#	ARTICLE	IF	CITATIONS
1	A Combination of Alloy Modification and Heat Treatment Strategies toward Enhancing the Properties of LPBF Processed Hot Working Tool Steels (HWTS). Journal of Manufacturing and Materials Processing, 2022, 6, 63.	2.2	4
2	Precise control of microstructure and mechanical properties of additively manufactured steels using elemental carbon powder. Materials Letters, 2021, 295, 129788.	2.6	6
3	Combined Al and C alloying enables mechanism-oriented design of multi-principal element alloys: Ab initio calculations and experiments. Scripta Materialia, 2020, 178, 366-371.	5.2	18
4	Controlling microstructure and mechanical properties of additively manufactured high-strength steels by tailored solidification. Additive Manufacturing, 2020, 35, 101389.	3.0	16
5	Rapid Alloy Development of Extremely High-Alloyed Metals Using Powder Blends in Laser Powder Bed Fusion. Materials, 2019, 12, 1706.	2.9	49
6	Laser Powder Bed Fusion of Advanced High-Strength Steels – Modification of Deformation Mechanisms by Increasing Stacking Fault Energy. BHM-Zeitschrift Fuer Rohstoffe Geotechnik Metallurgie Werkstoffe Maschinen-Und Anlagentechnik, 2019, 164, 127-132.	1.0	3
7	Comparison of the EHLA and LPBF Process in Context of New Alloy Design Methods for LPBF. Advanced Materials Research, 0, 1161, 13-25.	0.3	10