

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