

# Sheng Huang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2233005/publications.pdf>

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8  
papers

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citations

1306789

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1719596

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docs citations

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times ranked

598  
citing authors

#	ARTICLE	IF	CITATIONS
1	Microstructure evolution and mechanical property response via 3D printing parameter development of Al-Sc alloy. <i>Virtual and Physical Prototyping</i> , 2020, 15, 120-129.	5.3	111
2	Laser powder bed fusion of titanium-tantalum alloys: Compositions and designs for biomedical applications. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2020, 108, 103775.	1.5	97
3	Resolving the porosity-unmelted inclusion dilemma during in-situ alloying of Ti34Nb via laser powder bed fusion. <i>Acta Materialia</i> , 2021, 204, 116522.	3.8	93
4	Effect of solution heat treatment on microstructure and mechanical properties of laser powder bed fusion produced cobalt-28chromium-6molybdenum. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 769, 138511.	2.6	78
5	Thermoreversible gelation and viscoelasticity of $\hat{I}^{\circ}$ -carrageenan hydrogels. <i>Journal of Rheology</i> , 2016, 60, 203-214.	1.3	53
6	On the formation of "fish-scale" morphology with curved grain interfacial microstructures during selective laser melting of dissimilar alloys. <i>Acta Materialia</i> , 2021, 220, 117331.	3.8	49
7	Fracture behavior of laser powder bed fusion fabricated Ti41Nb via in-situ alloying. <i>Acta Materialia</i> , 2022, 225, 117593.	3.8	33
8	Selective Laser Melting of Ti42Nb Composite Powder and the Effect of Laser Re-Melting. <i>Key Engineering Materials</i> , 0, 801, 270-275.	0.4	10