

# Chao Wei

## List of Publications by Year in descending order

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docs citations

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345  
citing authors

#	ARTICLE	IF	CITATIONS
1	3D printing of multiple metallic materials via modified selective laser melting. CIRP Annals - Manufacturing Technology, 2018, 67, 245-248.	3.6	167
2	Recent progress and scientific challenges in multi-material additive manufacturing via laser-based powder bed fusion. Virtual and Physical Prototyping, 2021, 16, 347-371.	10.4	100
3	An overview of laser-based multiple metallic material additive manufacturing: from macro- to micro-scales. International Journal of Extreme Manufacturing, 2021, 3, 012003.	12.7	91
4	Additive Manufacturing of Horizontal and 3D Functionally Graded 316L/Cu10Sn Components via Multiple Material Selective Laser Melting. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2019, 141, .	2.2	78
5	An Integrated Dual Ultrasonic Selective Powder Dispensing Platform for Three-Dimensional Printing of Multiple Material Metal/Glass Objects in Selective Laser Melting. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2019, 141, .	2.2	38
6	Easy-To-Remove Composite Support Material and Procedure in Additive Manufacturing of Metallic Components Using Multiple Material Laser-Based Powder Bed Fusion. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2019, 141, .	2.2	32
7	Additive manufacturing of hybrid metal/polymer objects via multiple-material laser powder bed fusion. Additive Manufacturing, 2020, 36, 101465.	3.0	22
8	Additive manufacturing of three-dimensional metal-glass functionally gradient material components by laser powder bed fusion with in situ powder mixing. Additive Manufacturing, 2020, 33, 101113.	3.0	18
9	Understanding of process and material behaviours in additive manufacturing of Invar36/Cu10Sn multiple material components via laser-based powder bed fusion. Additive Manufacturing, 2021, 37, 101683.	3.0	17
10	Ultrasonic material dispensing-based selective laser melting for 3D printing of metallic components and the effect of powder compression. Additive Manufacturing, 2019, 29, 100818.	3.0	12
11	Hybrid ultrasonic and mini-motor vibration-induced irregularly shaped powder delivery for multiple materials additive manufacturing. Additive Manufacturing, 2020, 33, 101138.	3.0	12
12	Abnormal interfacial bonding mechanisms of multi-material additive-manufactured tungstenâ€ stainless steel sandwich structure. International Journal of Extreme Manufacturing, 2022, 4, 025002.	12.7	9
13	Significant Reduction in Energy Consumption and Carbon Emission While Improving Productivity in Laser Drilling of CFRP Sheets with a Novel Stepped Process Parameter Parallel Ring Method. Journal of Manufacturing and Materials Processing, 2022, 6, 7.	2.2	8
14	Cu10Sn to Ti6Al4V bonding mechanisms in laser-based powder bed fusion multiple material additive manufacturing with different build strategies. Additive Manufacturing, 2022, 51, 102588.	3.0	8