Lei Yuan

List of Publications by Year
in descending order

10 papers	410 citations	933447 10 h-index	1372567 10 g-index
10 all docs	10 docs citations	10 times ranked	368 citing authors

#	Article	IF	Citations
1	Mode coupling chatter suppression for robotic machining using semi-active magnetorheological elastomers absorber. Mechanical Systems and Signal Processing, 2019, 117, 221-237.	8.0	82
2	A Review on Chatter in Robotic Machining Process Regarding Both Regenerative and Mode Coupling Mechanism. IEEE/ASME Transactions on Mechatronics, 2018, 23, 2240-2251.	5.8	74
3	The influence of post-production heat treatment on the multi-directional properties of nickel-aluminum bronze alloy fabricated using wire-arc additive manufacturing process. Additive Manufacturing, 2018, 23, 411-421.	3.0	53
4	Mitigation of thermal distortion in wire arc additively manufactured Ti6Al4V part using active interpass cooling. Science and Technology of Welding and Joining, 2019, 24, 484-494.	3.1	47
5	Investigation of humping phenomenon for the multi-directional robotic wire and arc additive manufacturing. Robotics and Computer-Integrated Manufacturing, 2020, 63, 101916.	9.9	39
6	Application of Multidirectional Robotic Wire Arc Additive Manufacturing Process for the Fabrication of Complex Metallic Parts. IEEE Transactions on Industrial Informatics, 2020, 16, 454-464.	11.3	38
7	Fabrication of metallic parts with overhanging structures using the robotic wire arc additive manufacturing. Journal of Manufacturing Processes, 2021, 63, 24-34.	5.9	31
8	WAAM process for metal block structure parts based on mixed heat input. International Journal of Advanced Manufacturing Technology, 2021, 113, 503-521.	3.0	18
9	Mode coupling chatter prediction and avoidance in robotic machining process. International Journal of Advanced Manufacturing Technology, 2019, 104, 2103-2116.	3.0	15
10	A practical fabrication strategy for wire arc additive manufacturing of metallic parts with wire structures. International Journal of Advanced Manufacturing Technology, 2021, 115, 3197-3212.	3.0	13