

Fuda Ning

List of Publications by Year in descending order

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59
papers

3,462
citations

218592

26
h-index

197736

49
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59
all docs

59
docs citations

59
times ranked

2976
citing authors

#	ARTICLE	IF	CITATIONS
1	High-cycle fatigue properties of curved-surface AlSi10Mg parts fabricated by powder bed fusion additive manufacturing. <i>Rapid Prototyping Journal</i> , 2022, 28, 1346-1360.	1.6	17
2	Modeling of dynamic milling forces considering the interlaminar effect during milling multidirectional CFRP laminate. <i>Journal of Reinforced Plastics and Composites</i> , 2021, 40, 437-449.	1.6	11
3	Energy-aware production scheduling for additive manufacturing. <i>Journal of Cleaner Production</i> , 2021, 278, 123183.	4.6	22
4	Fiber matrix impregnation behavior during additive manufacturing of continuous carbon fiber reinforced polylactic acid composites. <i>Additive Manufacturing</i> , 2021, 37, 101661.	1.7	17
5	3D printed agar/ calcium alginate hydrogels with high shape fidelity and tailorable mechanical properties. <i>Polymer</i> , 2021, 214, 123238.	1.8	44
6	Geometrical, microstructural, and mechanical properties of curved-surface AlSi10Mg parts fabricated by powder bed fusion additive manufacturing. <i>Materials and Design</i> , 2021, 198, 109360.	3.3	14
7	Additive manufacturing of biodegradable iron-based particle reinforced polylactic acid composite scaffolds for tissue engineering. <i>Journal of Materials Processing Technology</i> , 2021, 289, 116952.	3.1	52
8	Non-planar polymer-based flexible electronics fabricated by a four-axis additive manufacturing process. <i>Materials Letters</i> , 2021, 294, 129748.	1.3	5
9	A novel printing strategy in additive manufacturing of continuous carbon fiber reinforced plastic composites. <i>Manufacturing Letters</i> , 2021, 27, 72-77.	1.1	8
10	Ultrasonic Frequency Effects on the Melt Pool Formation, Porosity, and Thermal-Dependent Property of Inconel 718 Fabricated by Ultrasonic Vibration-Assisted Directed Energy Deposition. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2021, 143, .	1.3	9
11	Ultrasonic vibration-assisted laser engineered net shaping of Inconel 718 parts: Effects of ultrasonic frequency on microstructural and mechanical properties. <i>Journal of Materials Processing Technology</i> , 2020, 276, 116395.	3.1	62
12	Fused Filament Fabrication of Biodegradable PLA/316L Composite Scaffolds: Effects of Metal Particle Content. <i>Procedia Manufacturing</i> , 2020, 48, 755-762.	1.9	29
13	A mechanistic model for tensile property of continuous carbon fiber reinforced plastic composites built by fused filament fabrication. <i>Additive Manufacturing</i> , 2020, 32, 101102.	1.7	16
14	Ultrasonic vibration-assisted (UV-A) manufacturing processes: State of the art and future perspectives. <i>Journal of Manufacturing Processes</i> , 2020, 51, 174-190.	2.8	113
15	Build Orientation Effect on Geometric Performance of Curved-Surface 316L Stainless Steel Parts Fabricated by Selective Laser Melting. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2020, 142, .	1.3	7
16	Effects of Build Orientation on Mechanical Properties of Curved-Surface AlSi10Mg Alloy Fabricated by Powder Bed Fusion Additive Manufacturing. , 2020, , .		0
17	Scratching-induced surface characteristics and material removal mechanisms in rotary ultrasonic surface machining of CFRP. <i>Ultrasonics</i> , 2019, 97, 19-28.	2.1	33
18	Rotary ultrasonic machining of carbon fiber reinforced plastic composites: a study on fiber material removal mechanism through single-grain scratching. <i>International Journal of Advanced Manufacturing Technology</i> , 2019, 103, 1095-1104.	1.5	30

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19	Ultrasensitive Wearable Strain Sensors of 3D Printing Tough and Conductive Hydrogels. <i>Polymers</i> , 2019, 11, 1873.	2.0	30
20	Microstructure and mechanical property of TiB reinforced Ti matrix composites fabricated by ultrasonic vibration-assisted laser engineered net shaping. <i>Rapid Prototyping Journal</i> , 2019, 25, 581-591.	1.6	22
21	Effects of deposition variables on molten pool temperature during laser engineered net shaping of Inconel 718 superalloy. <i>International Journal of Advanced Manufacturing Technology</i> , 2019, 102, 969-976.	1.5	22
22	Edge surface grinding of CFRP composites using rotary ultrasonic machining: comparison of two machining methods. <i>International Journal of Advanced Manufacturing Technology</i> , 2019, 100, 3237-3248.	1.5	14
23	Study of material removal mechanisms in grinding of C/SiC composites via single-abrasive scratch tests. <i>Ceramics International</i> , 2019, 45, 4729-4738.	2.3	59
24	Selective Laser Melting of Curved Surface Metal Parts: A Fundamental Study on Surface Finish and Dimensional Accuracy. , 2019, , .		2
25	A study on the effects of machining variables in surface grinding of CFRP composites using rotary ultrasonic machining. <i>International Journal of Advanced Manufacturing Technology</i> , 2018, 95, 3651-3663.	1.5	33
26	Surface grinding of CFRP composites using rotary ultrasonic machining: a comparison of workpiece machining orientations. <i>International Journal of Advanced Manufacturing Technology</i> , 2018, 95, 2917-2930.	1.5	34
27	Ultrasonic Vibration-Assisted Laser Engineered Net Shaping of Inconel 718 Parts: Microstructural and Mechanical Characterization. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2018, 140, .	1.3	32
28	Laser engineered net shaping of quasi-continuous network microstructural TiB reinforced titanium matrix bulk composites: Microstructure and wear performance. <i>Optics and Laser Technology</i> , 2018, 99, 174-183.	2.2	58
29	Laser deposition-additive manufacturing of TiB-Ti composites with novel three-dimensional quasi-continuous network microstructure: Effects on strengthening and toughening. <i>Composites Part B: Engineering</i> , 2018, 133, 91-100.	5.9	147
30	Ultrasonic vibration-assisted laser engineering net shaping of ZrO ₂ -Al ₂ O ₃ bulk parts: Effects on crack suppression, microstructure, and mechanical properties. <i>Ceramics International</i> , 2018, 44, 2752-2760.	2.3	79
31	Surface Grinding of ZTA Parts Fabricated by Laser Engineered Net Shaping Process: Effects of ZrO ₂ Content and Ultrasonic Vibration. , 2018, , .		0
32	Edge Trimming of CFRP Composites Using Rotary Ultrasonic Machining: Effects of Ultrasonic Vibration. , 2018, , .		4
33	Investigation of Energy Requirements and Environmental Performance for Additive Manufacturing Processes. <i>Sustainability</i> , 2018, 10, 3606.	1.6	38
34	Overhang structure and accuracy in laser engineered net shaping of Fe-Cr steel. <i>Optics and Laser Technology</i> , 2018, 106, 357-365.	2.2	25
35	Edge trimming of carbon fiber-reinforced plastic composites using rotary ultrasonic machining: effects of tool orientations. <i>International Journal of Advanced Manufacturing Technology</i> , 2018, 98, 1641-1653.	1.5	24
36	Additive manufacturing of carbon fiber-reinforced plastic composites using fused deposition modeling: Effects of process parameters on tensile properties. <i>Journal of Composite Materials</i> , 2017, 51, 451-462.	1.2	437

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37	Additive manufacturing of thermoplastic matrix composites using fused deposition modeling: A comparison of two reinforcements. <i>Journal of Composite Materials</i> , 2017, 51, 3733-3742.	1.2	62
38	A fundamental investigation on ultrasonic vibration-assisted laser engineered net shaping of stainless steel. <i>International Journal of Machine Tools and Manufacture</i> , 2017, 121, 61-69.	6.2	107
39	Surface grinding of CFRP composites with rotary ultrasonic machining: a mechanistic model on cutting force in the feed direction. <i>International Journal of Advanced Manufacturing Technology</i> , 2017, 92, 1217-1229.	1.5	58
40	In-situ ultrafine three-dimensional quasi-continuous network microstructural TiB reinforced titanium matrix composites fabrication using laser engineered net shaping. <i>Materials Letters</i> , 2017, 195, 116-119.	1.3	50
41	A mechanistic ultrasonic vibration amplitude model during rotary ultrasonic machining of CFRP composites. <i>Ultrasonics</i> , 2017, 76, 44-51.	2.1	62
42	Laser deposition-additive manufacturing of in situ TiB reinforced titanium matrix composites: TiB growth and part performance. <i>International Journal of Advanced Manufacturing Technology</i> , 2017, 93, 3409-3418.	1.5	27
43	Surface Grinding of Optical BK7/K9 Glass Using Rotary Ultrasonic Machining: An Experimental Study. , 2017, , .		5
44	Ultrasonic Vibration-Assisted Laser Engineered Net Shaping of Inconel 718 Parts: A Feasibility Study. <i>Procedia Manufacturing</i> , 2017, 10, 771-778.	1.9	41
45	Feasibility Exploration of Superalloys for AISI 4140 Steel Repairing using Laser Engineered Net Shaping. <i>Procedia Manufacturing</i> , 2017, 10, 912-922.	1.9	13
46	Rotary Ultrasonic Surface Machining of CFRP Composites: A Comparison with Conventional Surface Grinding. <i>Procedia Manufacturing</i> , 2017, 10, 557-567.	1.9	26
47	Surface Grinding of CFRP Composites Using Rotary Ultrasonic Machining: Effects of Ultrasonic Power. , 2017, , .		5
48	Surface grinding of CFRP composites using rotary ultrasonic machining: design of experiment on cutting force, torque and surface roughness. <i>International Journal of Manufacturing Research</i> , 2017, 12, 461.	0.1	8
49	Energy Consumption and Saving Analysis for Laser Engineered Net Shaping of Metal Powders. <i>Energies</i> , 2016, 9, 763.	1.6	25
50	Additive Manufacturing of CFRP Composites Using Fused Deposition Modeling: Effects of Process Parameters. , 2016, , .		7
51	Laser Engineered Net Shaping of Commercially Pure Titanium: Effects of Fabricating Variables. , 2016, , .		12
52	Microstructures and mechanical properties of Fe-Cr stainless steel parts fabricated by ultrasonic vibration-assisted laser engineered net shaping process. <i>Materials Letters</i> , 2016, 179, 61-64.	1.3	76
53	Surface grinding of carbon fiber reinforced plastic composites using rotary ultrasonic machining: Effects of tool variables. <i>Advances in Mechanical Engineering</i> , 2016, 8, 168781401667028.	0.8	28
54	Investigating pellet charring and temperature in ultrasonic vibration-assisted pelleting of wheat straw for cellulosic biofuel manufacturing. <i>Renewable Energy</i> , 2016, 92, 312-320.	4.3	11

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55	Rotary Ultrasonic Machining of CFRP: Design of Experiment With a Cutting Force Model. , 2015, , .		6
56	Additive manufacturing of carbon fiber reinforced thermoplastic composites using fused deposition modeling. Composites Part B: Engineering, 2015, 80, 369-378.	5.9	1,159
57	3D printing of an extremely tough hydrogel. RSC Advances, 2015, 5, 81324-81329.	1.7	97
58	Machinability of Fibre-Reinforced Plastics. , 2015, , .		17
59	Chip morphology and surface roughness in high-speed milling of nickel-based superalloy Inconel 718. International Journal of Machining and Machinability of Materials, 2014, 15, 285.	0.1	11