

Wenzheng Wu

List of Publications by Year in descending order

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32
papers

1,235
citations

687220

13
h-index

454834

30
g-index

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all docs

32
docs citations

32
times ranked

1425
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of Layer Thickness and Raster Angle on the Mechanical Properties of 3D-Printed PEEK and a Comparative Mechanical Study between PEEK and ABS. <i>Materials</i> , 2015, 8, 5834-5846.	1.3	610
2	Influence of Layer Thickness, Raster Angle, Deformation Temperature and Recovery Temperature on the Shape-Memory Effect of 3D-Printed Polylactic Acid Samples. <i>Materials</i> , 2017, 10, 970.	1.3	94
3	Effect of Thermal Processing and Heat Treatment Condition on 3D Printing PPS Properties. <i>Polymers</i> , 2018, 10, 875.	2.0	63
4	Separated 3D printing of continuous carbon fiber reinforced thermoplastic polyimide. <i>Composites Part A: Applied Science and Manufacturing</i> , 2019, 121, 457-464.	3.8	55
5	3D printing of carbon nanotubes reinforced thermoplastic polyimide composites with controllable mechanical and electrical performance. <i>Composites Science and Technology</i> , 2019, 182, 107671.	3.8	47
6	Radial Compressive Property and the Proof-of-Concept Study for Realizing Self-expansion of 3D Printing Polylactic Acid Vascular Stents with Negative Poisson's Ratio Structure. <i>Materials</i> , 2018, 11, 1357.	1.3	43
7	Effect of Ultrasonic Vibration on Mechanical Properties of 3D Printing Non-Crystalline and Semi-Crystalline Polymers. <i>Materials</i> , 2018, 11, 826.	1.3	38
8	3D printing of thermoplastic PI and interlayer bonding evaluation. <i>Materials Letters</i> , 2018, 229, 206-209.	1.3	33
9	Improving bending and dynamic mechanics performance of 3D printing through ultrasonic strengthening. <i>Materials Letters</i> , 2018, 220, 317-320.	1.3	31
10	Additive manufacturing landscape and materials perspective in 4D printing. <i>International Journal of Advanced Manufacturing Technology</i> , 2021, 115, 2973-2988.	1.5	30
11	Ultrasonic strengthening improves tensile mechanical performance of fused deposition modeling 3D printing. <i>International Journal of Advanced Manufacturing Technology</i> , 2018, 96, 2747-2755.	1.5	29
12	3D Printing of Graphite Electrode for Lithium-Ion Battery with High Areal Capacity. <i>Energy Technology</i> , 2021, 9, 2100628.	1.8	19
13	Fabrication and <i>In Vitro</i> Evaluation of 3D Printed Porous Polyetherimide Scaffolds for Bone Tissue Engineering. <i>BioMed Research International</i> , 2019, 2019, 1-8.	0.9	16
14	Effects of Printing Parameters on the Mechanical Properties of High-Performance Polyphenylene Sulfide Three-Dimensional Printing. <i>3D Printing and Additive Manufacturing</i> , 2021, 8, 33-41.	1.4	15
15	One-Pot Three-Dimensional Printing Robust Self-Supporting MnO _x /Cu-SSZ-13 Zeolite Monolithic Catalysts for NH ₃ -SCR. <i>CCS Chemistry</i> , 2022, 4, 1708-1719.	4.6	14
16	TiO ₂ hollow spheres on reduced graphene oxide with high rate performance as anodes for lithium-ion batteries. <i>RSC Advances</i> , 2017, 7, 53097-53103.	1.7	13
17	Study of printing parameters of pneumatic-injection 3D printing of Fe-based metallic glass. <i>Journal of Non-Crystalline Solids</i> , 2018, 489, 50-56.	1.5	9
18	Experiments on the Ultrasonic Bonding Additive Manufacturing of Metallic Glass and Crystalline Metal Composite. <i>Materials</i> , 2019, 12, 2975.	1.3	9

#	ARTICLE	IF	CITATIONS
19	Application and Prospects of Hydrogel Additive Manufacturing. <i>Gels</i> , 2022, 8, 297.	2.1	9
20	Influence of Thermal Processing Conditions on Mechanical and Material Properties of 3D Printed Thin-Structures Using PEEK Material. <i>International Journal of Precision Engineering and Manufacturing</i> , 2022, 23, 689-699.	1.1	9
21	Printing parameters and strengthening mechanism of pneumatic injection additive manufacturing with iron powder slurry. <i>International Journal of Advanced Manufacturing Technology</i> , 2018, 94, 3809-3817.	1.5	8
22	Preparation and performance evaluation of silica gel/tricalcium silicate composite slurry for 3D printing. <i>Journal of Non-Crystalline Solids</i> , 2019, 503-504, 334-339.	1.5	8
23	Influence Mechanism of Ultrasonic Vibration Substrate on Strengthening the Mechanical Properties of Fused Deposition Modeling. <i>Polymers</i> , 2022, 14, 904.	2.0	8
24	Additive manufacturing of continuous BF-reinforced PES composite material and mechanical and wear properties evaluation. <i>Journal of Materials Science</i> , 2022, 57, 12903-12915.	1.7	5
25	Optimization of Sintering Time and Holding Time for 3D Printing of Fe-Based Metallic Glasses. <i>Metals</i> , 2018, 8, 429.	1.0	4
26	Bio-Inspired 4D Printing of Dynamic Spider Silks. <i>Polymers</i> , 2022, 14, 2069.	2.0	4
27	Hybrid Additive Manufacturing of Fused Filament Fabrication and Ultrasonic Consolidation. <i>Polymers</i> , 2022, 14, 2385.	2.0	4
28	The study on electric field distribution and droplet trajectory during electrohydrodynamic jet printing. <i>Microsystem Technologies</i> , 2021, 27, 2745-2750.	1.2	3
29	Performance modulation and 3D printing parameters optimization of implantable medical tricalcium-silicate/polyetherimide composite. <i>Ceramics International</i> , 2021, 47, 10679-10687.	2.3	3
30	The fabrication of integrated and three-layer SU-8 nozzles for electrohydrodynamic printing. <i>Microfluidics and Nanofluidics</i> , 2020, 24, 1.	1.0	2
31	Behavioural Design Approach for Solving Mechanical Product Design Problem. , 2014, , .		0
32	A Novel Room-Temperature Bonding Method Based on Electrohydrodynamic Printing. <i>Journal of Nanoscience and Nanotechnology</i> , 2021, 21, 1672-1677.	0.9	0