

Yifei Jin

List of Publications by Year in descending order

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33
papers

1,127
citations

623734

14
h-index

434195

31
g-index

33
all docs

33
docs citations

33
times ranked

1220
citing authors

#	ARTICLE	IF	CITATIONS
1	Water soluble photocurable carboxymethyl cellulose-based bioactive hydrogels for digital light processing. <i>Journal of Applied Polymer Science</i> , 2022, 139, .	2.6	5
2	Effects of process conditions on tensile strength and crystallinity of polymeric parts fabricated using ultrasonic vibration-assisted injection molding. <i>Polymer Engineering and Science</i> , 2022, 62, 2119-2130.	3.1	2
3	3D Printing of Biodegradable Polymer Vascular Stents: A Review. , 2022, 1, 100020.		3
4	Material Extrusion Advanced Manufacturing of Helical Artificial Muscles from Shape Memory Polymer. <i>Machines</i> , 2022, 10, 497.	2.2	4
5	Theoretical model of pediatric orbital trapdoor fractures and provisional personalized 3D printing-assisted surgical solution. <i>Bioactive Materials</i> , 2021, 6, 559-567.	15.6	7
6	Preparation and mechanism of free radical/cationic hybrid photosensitive resin with high tensile strength for three-dimensional printing applications. <i>Journal of Applied Polymer Science</i> , 2021, 138, 49881.	2.6	11
7	Printability study of self-supporting graphene oxide-laponite nanocomposites for 3D printing applications. <i>International Journal of Advanced Manufacturing Technology</i> , 2021, 114, 343-355.	3.0	15
8	Effect of characteristic scale on the extrudate swelling behavior of polypropylene melt in a micro-extrusion process. <i>Polymer Engineering and Science</i> , 2021, 61, 1864-1881.	3.1	8
9	Nanoclay Suspension-Enabled Extrusion Bioprinting of Three-Dimensional Soft Structures. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2021, 143, .	2.2	13
10	Fluid Bath-Assisted 3D Printing for Biomedical Applications: From Pre- to Postprinting Stages. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 4736-4756.	5.2	28
11	A multi-dimensional non-uniform corrosion model for bioabsorbable metallic vascular stents. <i>Acta Biomaterialia</i> , 2021, 131, 572-580.	8.3	11
12	Theoretical and experimental study on three-layered polymeric balloon catheter processing. <i>Polymer Engineering and Science</i> , 2020, 60, 3244-3257.	3.1	3
13	Investigation on Microstructures and Mechanical Properties of Isotactic Polypropylene Parts Fabricated by Different Process Conditions with Different Aging Periods. <i>Polymers</i> , 2020, 12, 2828.	4.5	6
14	Study on the bending behavior of biodegradable metal cerebral vascular stents using finite element analysis. <i>Journal of Biomechanics</i> , 2020, 108, 109856.	2.1	11
15	Printing of Hydrophobic Materials in Fumed Silica Nanoparticle Suspension. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 29207-29217.	8.0	38
16	Experimental study of polymeric stent fabrication using homemade 3D printing system. <i>Polymer Engineering and Science</i> , 2019, 59, 1122-1131.	3.1	28
17	Structural Design of Mechanical Property for Biodegradable Polymeric Stent. <i>Advances in Materials Science and Engineering</i> , 2019, 2019, 1-14.	1.8	17
18	3-D printed X-band Yagi-Uda antenna. , 2018, , .		2

#	ARTICLE	IF	CITATIONS
19	Nanoclay-Based Self-Supporting Responsive Nanocomposite Hydrogels for Printing Applications. ACS Applied Materials & Interfaces, 2018, 10, 10461-10470.	8.0	79
20	Study of extrudability and standoff distance effect during nanoclay-enabled direct printing. Bio-Design and Manufacturing, 2018, 1, 123-134.	7.7	41
21	Effects of printing-induced interfaces on localized strain within 3D printed hydrogel structures. Materials Science and Engineering C, 2018, 89, 65-74.	7.3	21
22	Evaluation of bioink printability for bioprinting applications. Applied Physics Reviews, 2018, 5, .	11.3	129
23	Unified parametric modeling of origami-based tube. Thin-Walled Structures, 2018, 133, 226-234.	5.3	10
24	Effect of Die Lip Geometry on Polymer Extrudate Deformation in Complex Small Profile Extrusion. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2017, 139, .	2.2	14
25	Self-Supporting Nanoclay as Internal Scaffold Material for Direct Printing of Soft Hydrogel Composite Structures in Air. ACS Applied Materials & Interfaces, 2017, 9, 17456-17465.	8.0	183
26	Functional Nanoclay Suspension for Printing-Then-Solidification of Liquid Materials. ACS Applied Materials & Interfaces, 2017, 9, 20057-20066.	8.0	110
27	Fabrication of Double-Layered Alginate Capsules Using Coaxial Nozzle. Journal of Micro and Nano-Manufacturing, 2017, 5, .	0.7	5
28	Cross-section design of multi-lumen extrusion dies: study on the effects of die swell and gas flow rate of the lumen. Microsystem Technologies, 2017, 23, 5093-5104.	2.0	11
29	Printability study of hydrogel solution extrusion in nanoclay yield-stress bath during printing-then-gelation biofabrication. Materials Science and Engineering C, 2017, 80, 313-325.	7.3	114
30	Granular gel support-enabled extrusion of three-dimensional alginate and cellular structures. Biofabrication, 2016, 8, 025016.	7.1	123
31	Study on extrudate swell of polypropylene in double-lumen micro profile extrusion. Journal of Materials Processing Technology, 2015, 225, 357-368.	6.3	27
32	Study on the Hydrophobic Property of Shark-Skin-Inspired Micro-Riblets. Journal of Bionic Engineering, 2014, 11, 296-302.	5.0	35
33	Study on viscosity of polymer melt flowing through microchannels considering the wall-slip effect. Polymer Engineering and Science, 2012, 52, 1806-1814.	3.1	13