

Feng Cheng

List of Publications by Year in descending order

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32
papers

1,626
citations

331259

21
h-index

414034

32
g-index

32
all docs

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docs citations

32
times ranked

2421
citing authors

#	ARTICLE	IF	CITATIONS
1	Green Synthesis of Fluorescent Carbon Dots from <i>Gynostemma</i> for Bioimaging and Antioxidant in Zebrafish. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 9832-9840.	4.0	168
2	Preparation and Characterization of 2,2,6,6-Tetramethylpiperidine-1-oxyl (TEMPO)-Oxidized Cellulose Nanocrystal/Alginate Biodegradable Composite Dressing for Hemostasis Applications. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 3819-3828.	3.2	158
3	Complexation-induced resolution enhancement of 3D-printed hydrogel constructs. <i>Nature Communications</i> , 2020, 11, 1267.	5.8	158
4	A Tumor-on-a-Chip System with Bioprinted Blood and Lymphatic Vessel Pair. <i>Advanced Functional Materials</i> , 2019, 29, 1807173.	7.8	121
5	Injectable, self-healing, antibacterial, and hemostatic N,O-carboxymethyl chitosan/oxidized chondroitin sulfate composite hydrogel for wound dressing. <i>Materials Science and Engineering C</i> , 2021, 118, 111324.	3.8	111
6	Biodegradable collagen sponge reinforced with chitosan/calcium pyrophosphate nanoflowers for rapid hemostasis. <i>Carbohydrate Polymers</i> , 2017, 170, 271-280.	5.1	94
7	Antibacterial wound dressing from chitosan/polyethylene oxide nanofibers mats embedded with silver nanoparticles. <i>Journal of Biomaterials Applications</i> , 2015, 29, 1086-1095.	1.2	71
8	Biodegradable N, O-carboxymethyl chitosan/oxidized regenerated cellulose composite gauze as a barrier for preventing postoperative adhesion. <i>Carbohydrate Polymers</i> , 2019, 207, 180-190.	5.1	70
9	Composite chitosan/poly(ethylene oxide) electrospun nanofibrous mats as novel wound dressing matrixes for the controlled release of drugs. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	1.3	60
10	Symbiotic Photosynthetic Oxygenation within 3D-Bioprinted Vascularized Tissues. <i>Matter</i> , 2021, 4, 217-240.	5.0	57
11	Effective co-delivery of doxorubicin and curcumin using a glycyrrhetic acid-modified chitosan-cystamine-poly(ϵ -caprolactone) copolymer micelle for combination cancer chemotherapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 145, 526-538.	2.5	56
12	Generation of Cost-Effective Paper-Based Tissue Models through Matrix-Assisted Sacrificial 3D Printing. <i>Nano Letters</i> , 2019, 19, 3603-3611.	4.5	45
13	A Smartphone-Enabled Portable Digital Light Processing 3D Printer. <i>Advanced Materials</i> , 2021, 33, e2102153.	11.1	45
14	pH-Sensitive mesoporous silica nanoparticles for chemo-photodynamic combination therapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 161, 442-448.	2.5	42
15	Antibacterial and hemostatic composite gauze of N,O-carboxymethyl chitosan/oxidized regenerated cellulose. <i>RSC Advances</i> , 2016, 6, 94429-94436.	1.7	39
16	Antibacterial, hemostasis, adhesive, self-healing polysaccharides-based composite hydrogel wound dressing for the prevention and treatment of postoperative adhesion. <i>Materials Science and Engineering C</i> , 2021, 123, 111978.	3.8	37
17	Carbon nanotube-modified oxidized regenerated cellulose gauzes for hemostatic applications. <i>Carbohydrate Polymers</i> , 2018, 183, 246-253.	5.1	36
18	Preparation, characterization, antibacterial properties, and hemostatic evaluation of ibuprofen-loaded chitosan/gelatin composite films. <i>Journal of Applied Polymer Science</i> , 2017, 134, 45441.	1.3	35

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19	Freeze-Casting with 3D-Printed Templates Creates Anisotropic Microchannels and Patterned Macrochannels within Biomimetic Nanofiber Aerogels for Rapid Cellular Infiltration. <i>Advanced Healthcare Materials</i> , 2021, 10, e2100238.	3.9	33
20	Facile synthesis of a carbon dots and silver nanoparticles (CDs/AgNPs) composite for antibacterial application. <i>RSC Advances</i> , 2021, 11, 18417-18422.	1.7	29
21	Acid-sensitive polymeric vector targeting to hepatocarcinoma cells via glycyrrhetic acid receptor-mediated endocytosis. <i>Materials Science and Engineering C</i> , 2018, 87, 32-40.	3.8	27
22	N, O-carboxymethyl chitosan/oxidized cellulose composite sponge containing μ -poly-L-lysine as a potential wound dressing for the prevention and treatment of postoperative adhesion. <i>International Journal of Biological Macromolecules</i> , 2022, 209, 2151-2164.	3.6	21
23	Expanding sacrificially printed microfluidic channel-embedded paper devices for construction of volumetric tissue models in vitro. <i>Biofabrication</i> , 2020, 12, 045027.	3.7	20
24	Recent Progress in Flax Fiber-Based Functional Composites. <i>Advanced Fiber Materials</i> , 2022, 4, 171-184.	7.9	20
25	Manufacturing and physical characterization of absorbable oxidized regenerated cellulose braided surgical sutures. <i>International Journal of Biological Macromolecules</i> , 2019, 134, 56-62.	3.6	19
26	Processing, characterization and hemostatic mechanism of a ultraporous collagen/ORC biodegradable composite with excellent biological effectiveness. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 29183-29191.	1.3	17
27	Handheld bioprinting strategies for <i>in situ</i> wound dressing. <i>Essays in Biochemistry</i> , 2021, 65, 533-543.	2.1	12
28	Fabrication of paper-based devices for in vitro tissue modeling. <i>Bio-Design and Manufacturing</i> , 2020, 3, 252-265.	3.9	11
29	Surface Permeability of Membrane and Catalytic Performance Based on Redox-Responsive of Hybrid Hollow Polymeric Microcapsules. <i>Molecules</i> , 2021, 26, 633.	1.7	8
30	Antimicrobial Surgical Sutures: Fabrication and Application of Infection Prevention and Wound Healing. <i>Fibers and Polymers</i> , 2021, 22, 2355-2367.	1.1	4
31	Bioprinting: A Tumor-on-a-Chip System with Bioprinted Blood and Lymphatic Vessel Pair (<i>Adv. Funct. Mater.</i> 2021, 31, 2100011)	7.8	1
32	A Smartphone-Enabled Portable Digital Light Processing 3D Printer (<i>Adv. Mater.</i> 35/2021). <i>Advanced Materials</i> , 2021, 33, 2170271.	11.1	1