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	32 docs citations	32 times ranked	2421 citing authors

#	Article	IF	Citations
1	Recent Progress in Flax Fiber-Based Functional Composites. Advanced Fiber Materials, 2022, 4, 171-184.	7.9	20
2	N, O-carboxymethyl chitosan/oxidized cellulose composite sponge containing Îµ-poly-l-lysine as a potential wound dressing for the prevention and treatment of postoperative adhesion. International Journal of Biological Macromolecules, 2022, 209, 2151-2164.	3.6	21
3	Injectable, self-healing, antibacterial, and hemostatic N,O-carboxymethyl chitosan/oxidized chondroitin sulfate composite hydrogel for wound dressing. Materials Science and Engineering C, 2021, 118, 111324.	3.8	111
4	Symbiotic Photosynthetic Oxygenation within 3D-Bioprinted Vascularized Tissues. Matter, 2021, 4, 217-240.	5.0	57
5	Facile synthesis of a carbon dots and silver nanoparticles (CDs/AgNPs) composite for antibacterial application. RSC Advances, 2021, 11, 18417-18422.	1.7	29
6	Surface Permeability of Membrane and Catalytic Performance Based on Redox-Responsive of Hybrid Hollow Polymeric Microcapsules. Molecules, 2021, 26, 633.	1.7	8
7	Antibacterial, hemostasis, adhesive, self-healing polysaccharides-based composite hydrogel wound dressing for the prevention and treatment of postoperative adhesion. Materials Science and Engineering C, 2021, 123, 111978.	3.8	37
8	Antimicrobial Surgical Sutures: Fabrication and Application of Infection Prevention and Wound Healing. Fibers and Polymers, 2021, 22, 2355-2367.	1.1	4
9	Freezeâ€Casting with 3Dâ€Printed Templates Creates Anisotropic Microchannels and Patterned Macrochannels within Biomimetic Nanofiber Aerogels for Rapid Cellular Infiltration. Advanced Healthcare Materials, 2021, 10, e2100238.	3.9	33
10	A Smartphoneâ€Enabled Portable Digital Light Processing 3D Printer. Advanced Materials, 2021, 33, e2102153.	11.1	45
11	Handheld bioprinting strategies for in situ wound dressing. Essays in Biochemistry, 2021, 65, 533-543.	2.1	12
12	A Smartphoneâ€Enabled Portable Digital Light Processing 3D Printer (Adv. Mater. 35/2021). Advanced Materials, 2021, 33, 2170271.	11.1	1
13	Complexation-induced resolution enhancement of 3D-printed hydrogel constructs. Nature Communications, 2020, 11, 1267.	5.8	158
14	Fabrication of paper-based devices for in vitro tissue modeling. Bio-Design and Manufacturing, 2020, 3, 252-265.	3.9	11
15	Expanding sacrificially printed microfluidic channel-embedded paper devices for construction of volumetric tissue models in vitro. Biofabrication, 2020, 12, 045027.	3.7	20
16	Bioprinting: A Tumorâ€onâ€aâ€Chip System with Bioprinted Blood and Lymphatic Vessel Pair (Adv. Funct.) Tj ETQq0 0 0 rgBT /Overlock	7.8	1
17	Manufacturing and physical characterization of absorbable oxidized regenerated cellulose braided surgical sutures. International Journal of Biological Macromolecules, 2019, 134, 56-62.	3.6	19
18	Generation of Cost-Effective Paper-Based Tissue Models through Matrix-Assisted Sacrificial 3D Printing. Nano Letters, 2019, 19, 3603-3611.	4.5	45

#	Article	IF	Citations
19	A Tumorâ€onâ€aâ€Chip System with Bioprinted Blood and Lymphatic Vessel Pair. Advanced Functional Materials, 2019, 29, 1807173.	7.8	121
20	Green Synthesis of Fluorescent Carbon Dots from Gynostemma for Bioimaging and Antioxidant in Zebrafish. ACS Applied Materials & Interfaces, 2019, 11, 9832-9840.	4.0	168
21	Biodegradable N, O-carboxymethyl chitosan/oxidized regenerated cellulose composite gauze as a barrier for preventing postoperative adhesion. Carbohydrate Polymers, 2019, 207, 180-190.	5.1	70
22	Acid-sensitive polymeric vector targeting to hepatocarcinoma cells via glycyrrhetinic acid receptor-mediated endocytosis. Materials Science and Engineering C, 2018, 87, 32-40.	3.8	27
23	Carbon nanotube-modified oxidized regenerated cellulose gauzes for hemostatic applications. Carbohydrate Polymers, 2018, 183, 246-253.	5.1	36
24	pH-Sensitive mesoporous silica nanoparticles for chemo-photodynamic combination therapy. Colloids and Surfaces B: Biointerfaces, 2018, 161, 442-448.	2.5	42
25	Biodegradable collagen sponge reinforced with chitosan/calcium pyrophosphate nanoflowers for rapid hemostasis. Carbohydrate Polymers, 2017, 170, 271-280.	5.1	94
26	Preparation and Characterization of 2,2,6,6-Tetramethylpiperidine-1-oxyl (TEMPO)-Oxidized Cellulose Nanocrystal/Alginate Biodegradable Composite Dressing for Hemostasis Applications. ACS Sustainable Chemistry and Engineering, 2017, 5, 3819-3828.	3.2	158
27	Preparation, characterization, antibacterial properties, and hemostatic evaluation of ibuprofenâ€loaded chitosan/gelatin composite films. Journal of Applied Polymer Science, 2017, 134, 45441.	1.3	35
28	Antibacterial and hemostatic composite gauze of N,O-carboxymethyl chitosan/oxidized regenerated cellulose. RSC Advances, 2016, 6, 94429-94436.	1.7	39
29	Processing, characterization and hemostatic mechanism of a ultraporous collagen/ORC biodegradable composite with excellent biological effectiveness. Physical Chemistry Chemical Physics, 2016, 18, 29183-29191.	1.3	17
30	Effective co-delivery of doxorubicin and curcumin using a glycyrrhetinic acid-modified chitosan-cystamine-poly(Îµ-caprolactone) copolymer micelle for combination cancer chemotherapy. Colloids and Surfaces B: Biointerfaces, 2016, 145, 526-538.	2.5	56
31	Composite chitosan/poly(ethylene oxide) electrospun nanofibrous mats as novel wound dressing matrixes for the controlled release of drugs. Journal of Applied Polymer Science, 2015, 132, .	1.3	60
32	Antibacterial wound dressing from chitosan/polyethylene oxide nanofibers mats embedded with silver nanoparticles. Journal of Biomaterials Applications, 2015, 29, 1086-1095.	1.2	71