Ruitao Cha

List of Publications by Year
in descending order

35 papers	1,740 citations	304368 22 h-index	360668 35 g-index
36 all docs	36 docs citations	36 times ranked	2479 citing authors

#	Article	IF	Citations
1	Cellulosic substrate materials with multi-scale building blocks: fabrications, properties and applications in bioelectronic devices. Chemical Engineering Journal, 2022, 430, 132562.	6.6	17
2	Development of antimicrobial oxidized cellulose film for active food packaging. Carbohydrate Polymers, 2022, 278, 118922.	5.1	26
3	Adsorptivity of cationic cellulose nanocrystals for phosphate and its application in hyperphosphatemia therapy. Carbohydrate Polymers, 2021, 255, 117335.	5.1	7
4	Advances in polysaccharide nanocrystals as pharmaceutical excipients. Carbohydrate Polymers, 2021, 262, 117922.	5.1	21
5	Anticoagulant Hydrogel Tubes with Poly(É›â€Caprolactone) Sheaths for Smallâ€Diameter Vascular Grafts. Advanced Healthcare Materials, 2021, 10, e2100839.	3.9	13
6	Dialdehyde Nanocrystalline Cellulose as Antibiotic Substitutes against Multidrug-Resistant Bacteria. ACS Applied Materials & Interfaces, 2021, 13, 33802-33811.	4.0	24
7	The Effect of Different Additives on the Hydration and Gelation Properties of Composite Dental Gypsum. Gels, 2021, 7, 117.	2.1	5
8	Impact of nanomaterials on the intestinal mucosal barrier and its application in treating intestinal diseases. Nanoscale Horizons, 2021, 7, 6-30.	4.1	13
9	Cellophane or Nanopaper: Which Is Better for the Substrates of Flexible Electronic Devices?. ACS Sustainable Chemistry and Engineering, 2020, 8, 7774-7784.	3.2	23
10	Hydroxypropyl Guar/Cellulose Nanocrystal Film with Ionic Liquid and Anthocyanin for Real-Time and Visual Detection of NH₃. ACS Sustainable Chemistry and Engineering, 2020, 8, 9731-9741.	3.2	47
11	A review on nanocellulose as a lightweight filler of polyolefin composites. Carbohydrate Polymers, 2020, 243, 116466.	5.1	54
12	Manufacture of Hydrophobic Nanocomposite Films with High Printability. ACS Sustainable Chemistry and Engineering, 2019, 7, 15404-15412.	3.2	16
13	Advances in tissue engineering of nanocellulose-based scaffolds: A review. Carbohydrate Polymers, 2019, 224, 115144.	5.1	157
14	Nanomaterials for the theranostics of obesity. Biomaterials, 2019, 223, 119474.	5.7	27
15	High-efficiency transfer of fingerprints from various surfaces using nanofibrillated cellulose. Nanoscale Horizons, 2019, 4, 953-959.	4.1	18
16	Gold Nanoparticles Cure Bacterial Infection with Benefit to Intestinal Microflora. ACS Nano, 2019, 13, 5002-5014.	7.3	73
17	Modified Fenton Oxidation of Cellulose Fibers for Cellulose Nanofibrils Preparation. ACS Sustainable Chemistry and Engineering, 2019, 7, 1129-1136.	3.2	50
18	Fabrication of cellulose/graphene paper as a stable-cycling anode materials without collector. Carbohydrate Polymers, 2018, 184, 30-36.	5.1	23

#	Article	IF	Citations
19	Cellulose nanocrystals as reinforcements for collagen-based casings with low gas transmission. Cellulose, 2018, 25, 463-471.	2.4	31
20	Iron oxide nanoparticles for targeted imaging of liver tumors with ultralow hepatotoxicity. Journal of Materials Chemistry B, 2018, 6, 6413-6423.	2.9	20
21	Nanocelluloseâ€Based Antibacterial Materials. Advanced Healthcare Materials, 2018, 7, e1800334.	3.9	149
22	Preparation of green and gelatin-free nanocrystalline cellulose capsules. Carbohydrate Polymers, 2017, 164, 358-363.	5.1	34
23	An automated and portable microfluidic chemiluminescence immunoassay for quantitative detection of biomarkers. Lab on A Chip, 2017, 17, 2225-2234.	3.1	93
24	2,3-Dialdehyde nanofibrillated cellulose as a potential material for the treatment of MRSA infection. Journal of Materials Chemistry B, 2017, 5, 7876-7884.	2.9	79
25	Fe3O4 nanoparticles modified by CD-containing star polymer for MRI and drug delivery. Colloids and Surfaces B: Biointerfaces, 2017, 158, 213-221.	2.5	32
26	Nanocrystalline Cellulose-Assisted Generation of Silver Nanoparticles for Nonenzymatic Glucose Detection and Antibacterial Agent. Biomacromolecules, 2016, 17, 2472-2478.	2.6	83
27	A microfluidic indirect competitive immunoassay for multiple and sensitive detection of testosterone in serum and urine. Analyst, The, 2016, 141, 815-819.	1.7	22
28	The biocompatibility evaluation of iron oxide nanoparticles synthesized by a one pot process for intravenous iron supply. RSC Advances, 2016, 6, 14329-14334.	1.7	14
29	Water-soluble nanocrystalline cellulose films with highly transparent and oxygen barrier properties. Nanoscale, 2016, 8, 973-978.	2.8	81
30	Nanocrystalline cellulose-dispersed AKD emulsion for enhancing the mechanical and multiple barrier properties of surface-sized paper. Carbohydrate Polymers, 2016, 136, 1035-1040.	5.1	42
31	Formulation and evaluation of nanocrystalline cellulose as a potential disintegrant. Carbohydrate Polymers, 2015, 130, 275-279.	5.1	47
32	One-Step Detection of Pathogens and Viruses: Combining Magnetic Relaxation Switching and Magnetic Separation. ACS Nano, 2015, 9, 3184-3191.	7.3	182
33	Using carboxylated nanocrystalline cellulose as an additive in cellulosic paper and poly (vinyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10	5.1	32
34	Preparation and characterization of thermal/pH-sensitive hydrogel from carboxylated nanocrystalline cellulose. Carbohydrate Polymers, 2012, 88, 713-718.	5.1	142
35	Development of cellulose paper testing strips for quick measurement of glucose using chromogen agent. Carbohydrate Polymers, 2012, 88, 1414-1419.	5.1	43