Zhiwei Wang

List of Publications by Year
in descending order

21	421	687363 13	752698 20
papers	citations	h-index	g-index

21	21	21	278
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Study on the mechanism of inhibiting the calcification of anaerobic granular sludge induced by the addition of trace signal molecule (3O-C6-HSL). Bioresource Technology, 2022, 344, 126232.	9.6	15
2	Characteristics of concentrated lignocellulosic nanofibril suspensions. Cellulose, 2022, 29, 147-158.	4.9	5
3	A high-stable soybean-oil-based epoxy acrylate emulsion stabilized by silanized nanocrystalline cellulose as a sustainable paper coating for enhanced water vapor barrier. Journal of Colloid and Interface Science, 2022, 610, 1043-1056.	9.4	21
4	Sludge Derived Carbon Modified Anode in Microbial Fuel Cell for Performance Improvement and Microbial Community Dynamics. Membranes, 2022, 12, 120.	3.0	10
5	Electrocoagulation pretreatment reduced the synergistic inhibition of anaerobic granular sludge by micro stickies and Ca2+ and delayed the calcification of granular sludge. Industrial Crops and Products, 2022, 178, 114584.	5.2	3
6	Effects of different N-acyl-serine lactone signaling molecules on the performance of anaerobic granular sludge. RSC Advances, 2022, 12, 5439-5446.	3.6	6
7	Electrocoagulation pre-treatment to simultaneously remove dissolved and colloidal substances and Ca2+ in old corrugated container wastewater. Chemosphere, 2021, 268, 128851.	8.2	13
8	Improvement in calcified anaerobic granular sludge performance by exogenous acyl-homoserine lactones. Ecotoxicology and Environmental Safety, 2021, 210, 111874.	6.0	20
9	Nitrogen-doped lignin-derived biochar with enriched loading of CeO2 nanoparticles for highly efficient and rapid phosphate capture. International Journal of Biological Macromolecules, 2021, 182, 1484-1494.	7.5	28
10	Fluorescent N-functionalized carbon nanodots from carboxymethylcellulose for sensing of high-valence metal ions and cell imaging. RSC Advances, 2021, 11, 34898-34907.	3.6	1
11	Preparation of carbon dots from waste cellulose diacetate as a sensor for tetracycline detection and fluorescence ink. International Journal of Biological Macromolecules, 2020, 164, 4289-4298.	7.5	45
12	Calcium ions affect sludge digestion performance via changing extracellular polymeric substances in anaerobic bioreactor. Biomass and Bioenergy, 2020, 137, 105548.	5.7	20
13	Analysis of dissolved and colloidal substances in old corrugated containersâ€™ whitewater and dissolved substancesâ€™ impact on colloidal substancesâ€™ stability. BioResources, 2020, 15, 6668-6679.	1.0	1
14	Study on enhancing sludge methanogenesis by adding acetylene black and effect on the characteristics & microbial community of anaerobic granular sludge. RSC Advances, 2019, 9, 23086-23095.	3.6	24
15	Use of Extracellular Polymer Substance as an Additive to Improve Biogas Yield and Digestion Performance. Energy & Fuels, 2019, 33, 12628-12636.	5.1	23
16	Dynamically vulcanized PP/EPDM blends with balanced stiffness and toughness via in-situ compatibilization of MAA and excess ZnO nanoparticles: Preparation, structure and properties. Composites Part B: Engineering, 2019, 160, 147-157.	12.0	74
17	Design of shape-memory materials based on sea-island structured EPDM/PP TPVs via in-situ compatibilization of methacrylic acid and excess zinc oxide nanoparticles. Composites Science and Technology, 2018, 167, 431-439.	7.8	52
18	Enzyme-assisted mechanical production of microfibrillated cellulose from Northern Bleached Softwood Kraft pulp. Cellulose, 2017, 24, 3929-3942.	4.9	27

#	Article	IF	Citations
19	Functional Surface Coating on Cellulosic Flexible Substrates with Improved Water-Resistant and Antimicrobial Properties by Use of ZnO Nanoparticles. Journal of Nanomaterials, 2017, 2017, 1-9.	2.7	22
20	Effects of Cellulosic Base Sheet Pore Structure and Soybean Oil-Based Polymer Layer on Cellulosic Packaging Performance as a Barrier for Water and Water Vapor. BioResources, 2016, 11, .	1.0	7
21	Effects of Adhesive Aging on the Characteristics of Stickies and Their Removal during Paper Recycling. Industrial & Engineering Chemistry Research, 2013, 52, 9698-9704.	3.7	4