

Songwen Tan

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

1,130
citations

361045

20
h-index

476904

29
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58
all docs

58
docs citations

58
times ranked

1187
citing authors

#	ARTICLE	IF	CITATIONS
1	What the Microscale Systems "See" In Biological Assemblies: Cells and Viruses?. <i>Analytical Chemistry</i> , 2022, 94, 59-74.	3.2	4
2	Recent Advances in the Development of Noble Metal NPs for Cancer Therapy. <i>Bioinorganic Chemistry and Applications</i> , 2022, 2022, 1-14.	1.8	31
3	Antifreeze Proteins: Novel Applications and Navigation towards Their Clinical Application in Cryobanking. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2639.	1.8	19
4	A critical review on granulation of pharmaceuticals and excipients: Principle, analysis and typical applications. <i>Powder Technology</i> , 2022, 401, 117329.	2.1	12
5	Study on the Mechanism of Astragalus Polysaccharide in Treating Pulmonary Fibrosis Based on "Drug-Target-Pathway" Network. <i>Frontiers in Pharmacology</i> , 2022, 13, 865065.	1.6	13
6	Principles and Protocols For Post-Cryopreservation Quality Evaluation of Stem Cells in Novel Biomedicine. <i>Frontiers in Pharmacology</i> , 2022, 13, 907943.	1.6	10
7	Clay nanoparticles as pharmaceutical carriers in drug delivery systems. <i>Expert Opinion on Drug Delivery</i> , 2021, 18, 695-714.	2.4	35
8	Redox and pH dual-responsive biodegradable mesoporous silica nanoparticle as a potential drug carrier for synergistic cancer therapy. <i>Ceramics International</i> , 2021, 47, 4572-4578.	2.3	26
9	A critical review of spray-dried amorphous pharmaceuticals: Synthesis, analysis and application. <i>International Journal of Pharmaceutics</i> , 2021, 594, 120165.	2.6	36
10	How does DNA "meet" capillary-based microsystems?. <i>Analyst</i> , 2021, 146, 48-63.	1.7	3
11	Analysis of the biodegradation performance and biofouling in a halophilic MBBR-MBR to improve the treatment of disinfected saline wastewater. <i>Chemosphere</i> , 2021, 269, 128716.	4.2	18
12	Biodegradation performance and biofouling control of a halophilic biocarriers-MBR in saline pharmaceutical (ampicillin-containing) wastewater treatment. <i>Chemosphere</i> , 2021, 263, 127949.	4.2	13
13	The Feasibility of Antioxidants Avoiding Oxidative Damages from Reactive Oxygen Species in Cryopreservation. <i>Frontiers in Chemistry</i> , 2021, 9, 648684.	1.8	27
14	Rapid detection of carbamate pesticide residues using microchip electrophoresis combining amperometric detection. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 3017-3026.	1.9	4
15	A Review of the Material Characteristics, Antifreeze Mechanisms, and Applications of Cryoprotectants (CPAs). <i>Journal of Nanomaterials</i> , 2021, 2021, 1-14.	1.5	15
16	Fluorescence coupled capillary electrophoresis as a strategy for tetrahedron DNA analysis. <i>Talanta</i> , 2021, 228, 122225.	2.9	3
17	Methods in Biosynthesis and Characterization of the Antifreeze Protein (AFP) for Potential Blood Cryopreservation. <i>Journal of Nanomaterials</i> , 2021, 2021, 1-8.	1.5	3
18	Preparation and preliminary quality evaluation of aspirin/L-glutamate compound pellets. <i>Journal of Materials Science: Materials in Medicine</i> , 2021, 32, 116.	1.7	1

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19	Tailoring \hat{I}^{\pm}/\hat{I}^2 Ratio of Pollen-Like Anhydrous Lactose as Ingredient Carriers for Controlled Dissolution Rate. <i>Crystals</i> , 2021, 11, 1049.	1.0	3
20	A Literature Review on Maillard Reaction Based on Milk Proteins and Carbohydrates in Food and Pharmaceutical Products: Advantages, Disadvantages, and Avoidance Strategies. <i>Foods</i> , 2021, 10, 1998.	1.9	50
21	Biodegradability of mesoporous silica nanoparticles. <i>Ceramics International</i> , 2021, 47, 31031-31041.	2.3	19
22	Choosing the appropriate wall materials for spray-drying microencapsulation of natural bioactive ingredients: Taking phenolic compounds as examples. <i>Powder Technology</i> , 2021, 394, 562-574.	2.1	34
23	Potential and applications of capillary electrophoresis for analyzing traditional Chinese medicine: a critical review. <i>Analyst</i> , The, 2021, 146, 4724-4736.	1.7	13
24	Crystalline Micro- and Nano-Materials for Medical and Other Biochemical Applications. <i>Crystals</i> , 2021, 11, 1361.	1.0	2
25	Exploring the application and mechanism of sodium hyaluronate in cryopreservation of red blood cells. <i>Materials Today Bio</i> , 2021, 12, 100156.	2.6	11
26	Pre-gelation assisted spray drying of whey protein isolates (WPI) for microencapsulation and controlled release. <i>LWT - Food Science and Technology</i> , 2020, 117, 108625.	2.5	17
27	A review of stevia as a potential healthcare product: Up-to-date functional characteristics, administrative standards and engineering techniques. <i>Trends in Food Science and Technology</i> , 2020, 103, 264-281.	7.8	39
28	Encapsulation of caffeine in spray-dried micro-eggs for controlled release: The effect of spray-drying (cooking) temperature. <i>Food Hydrocolloids</i> , 2020, 108, 105979.	5.6	25
29	Impact Assessment of heavy metal cations to the characteristics of photosynthetic phycocyanin. <i>Journal of Hazardous Materials</i> , 2020, 391, 122225.	6.5	20
30	Real-time monitoring of the membrane biofouling based on spectroscopic analysis in a marine MBBR-MBR (moving bed biofilm reactor-membrane bioreactor) for saline wastewater treatment. <i>Chemosphere</i> , 2019, 235, 1154-1161.	4.2	22
31	Smart release-control of microencapsulated ingredients from milk protein tablets using spray drying and heating. <i>Food Hydrocolloids</i> , 2019, 92, 181-188.	5.6	13
32	Microencapsulation of pepsin in the spray-dried WPI (whey protein isolates) matrices for controlled release. <i>Journal of Food Engineering</i> , 2019, 263, 147-154.	2.7	14
33	Fabrication of novel casein gel with controlled release property via acidification, spray drying and tableting approach. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 177, 329-337.	2.5	18
34	Redness generation via Maillard reactions of whey protein isolate (WPI) and ascorbic acid (vitamin C) in spray-dried powders. <i>Journal of Food Engineering</i> , 2019, 244, 11-20.	2.7	25
35	A critical review on saline wastewater treatment by membrane bioreactor (MBR) from a microbial perspective. <i>Chemosphere</i> , 2019, 220, 1150-1162.	4.2	150
36	Controlled release of caffeine from tablets of spray-dried casein gels. <i>Food Hydrocolloids</i> , 2019, 88, 13-20.	5.6	26

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37	Spray drying assisted synthesis of porous carbons from whey powders for capacitive energy storage. <i>Energy</i> , 2018, 147, 308-316.	4.5	15
38	Preparation of core-shell microspheres of lactose with flower-like morphology and tailored porosity. <i>Powder Technology</i> , 2018, 325, 309-315.	2.1	14
39	Role of templating agents in the spray drying and postcrystallization of lactose for the production of highly porous powders. <i>Drying Technology</i> , 2018, 36, 1882-1891.	1.7	16
40	The toxicity of cadmium ion (Cd ²⁺) to phycocyanin: an in vitro spectroscopic study. <i>Environmental Science and Pollution Research</i> , 2018, 25, 14544-14550.	2.7	6
41	Milk powder-derived bifunctional oxygen electrocatalysts for rechargeable Zn-air battery. <i>Energy Storage Materials</i> , 2018, 11, 134-143.	9.5	45
42	In vitro assessment of the toxicity of lead (Pb ²⁺) to phycocyanin. <i>Chemosphere</i> , 2018, 192, 171-177.	4.2	23
43	Effect of spray-drying temperature on the formation of flower-like lactose for griseofulvin loading. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 111, 534-539.	1.9	24
44	In vitro cytotoxicity of decabrominated diphenyl ether (PBDE-209) to human red blood cells (hRBCs). <i>Chemosphere</i> , 2017, 180, 312-316.	4.2	18
45	Template-directed flower-like lactose with micro-meso-macroporous structure. <i>Materials and Design</i> , 2017, 117, 178-184.	3.3	22
46	Hollow flower-like lactose particles as potential drug carriers: Effect of particle size and feed concentration. <i>Powder Technology</i> , 2017, 320, 1-6.	2.1	12
47	In vitro assessment of phthalate acid esters-trypsin complex formation. <i>Chemosphere</i> , 2017, 185, 29-35.	4.2	18
48	Interaction studies of polybrominated diphenyl ethers (PBDEs) with human serum albumin (HSA): Molecular docking investigations. <i>Environmental Toxicology and Pharmacology</i> , 2017, 54, 34-39.	2.0	12
49	Study on the interaction between typical phthalic acid esters (PAEs) and human haemoglobin (hHb) by molecular docking. <i>Environmental Toxicology and Pharmacology</i> , 2017, 53, 206-211.	2.0	25
50	Cultivation of activated sludge using sea mud as seed to treat industrial phenolic wastewater with high salinity. <i>Marine Pollution Bulletin</i> , 2017, 114, 867-870.	2.3	31
51	Effect of biofouling on fouling-related biofoulants in a membrane bioreactor during saline wastewater treatments. <i>Bioresource Technology</i> , 2017, 224, 285-291.	4.8	24
52	Real-time monitoring of biofoulants in a membrane bioreactor during saline wastewater treatment for anti-fouling strategies. <i>Bioresource Technology</i> , 2017, 224, 183-187.	4.8	15
53	Biodegradation of saline phenolic wastewater in a biological contact oxidation reactor with immobilized cells of <i>Oceanimonas</i> sp.. <i>Biotechnology Letters</i> , 2017, 39, 91-96.	1.1	19
54	The Composition-Tunable Polydiacetylenic Complex Films: Conformational Change upon Thermal Stimulation and Preferential Interaction with Specific Small Molecules. <i>Journal of Nanomaterials</i> , 2017, 2017, 1-7.	1.5	1

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55	Behaviour of fouling-related components in an enhanced membrane bioreactor using marine activated sludge. <i>Bioresource Technology</i> , 2016, 220, 401-406.	4.8	12
56	<i>Alkalibacillus huanghaiensis</i> Sp. Nov., a New Strain of Moderately Halophilic Bacterias Isolated from Sea Water of the Yellow Sea in China. <i>Advanced Materials Research</i> , 2012, 518-523, 8-15.	0.3	3
57	<i>Alkalibacillus weihaiensis</i> Sp. Nov., a Moderately Halophilic Bacterium from Sea Mud of the Yellow Sea, China. <i>Advanced Materials Research</i> , 2012, 518-523, 16-22.	0.3	1
58	Cryopreservation of Animals and Cryonics: Current Technical Progress, Difficulties and Possible Research Directions. <i>Frontiers in Veterinary Science</i> , 0, 9, .	0.9	0