

Wentao Su

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/4060237/wentao-su-publications-by-year.pdf>

Version: 2024-04-24

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

72
papers

1,192
citations

18
h-index

33
g-index

82
ext. papers

1,666
ext. citations

5.9
avg, IF

4.87
L-index

#	Paper	IF	Citations
72	Microfluidic spinning of fucoxanthin-loaded nanofibers for enhancing antioxidation and clarification of fruit juice.. <i>Food and Function</i> , 2022 ,	6.1	2
71	A smart cauliflower-like carrier for astaxanthin delivery to relieve colon inflammation.. <i>Journal of Controlled Release</i> , 2022 , 342, 372-387	11.7	5
70	Dual targeting procyanidin nanoparticles with glutathione response for colitis treatment. <i>Chemical Engineering Journal</i> , 2022 , 441, 136095	14.7	3
69	Manganese containing oxides catalytic ozonation in aqueous solution: catalytic mechanism on acid sites. <i>Separation and Purification Technology</i> , 2021 , 120053	8.3	1
68	Advances of Exosomal miRNAs in Breast Cancer Progression and Diagnosis. <i>Diagnostics</i> , 2021 , 11,	3.8	2
67	Formation and biological effects of protein corona for food-related nanoparticles. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2021 ,	16.4	2
66	Artificial intelligence: A powerful paradigm for scientific research. <i>Innovation(China)</i> , 2021 , 2, 100179	17.8	21
65	Recent developments of drying techniques for aquatic products: With emphasis on drying process monitoring with innovative methods. <i>Drying Technology</i> , 2021 , 39, 1577-1594	2.6	4
64	Microfluidic strategies for sample separation and rapid detection of food allergens. <i>Trends in Food Science and Technology</i> , 2021 , 110, 213-225	15.3	6
63	Nucleic acid-based detection for foodborne virus utilizing microfluidic systems. <i>Trends in Food Science and Technology</i> , 2021 , 113, 97-109	15.3	3
62	Pressure fluctuation characteristics of a model pump-turbine during runaway transient. <i>Renewable Energy</i> , 2021 , 163, 517-529	8.1	4
61	Evaluation of hepatic drug-metabolism for glioblastoma using liver-brain chip. <i>Biotechnology Letters</i> , 2021 , 43, 383-392	3	2
60	Thermal characteristics of porous concrete in a hydronic road heating system. <i>Applied Thermal Engineering</i> , 2021 , 182, 116074	5.8	1
59	Deicing performances of a road unit driven by a hydronic heating system in severely cold regions of China. <i>Computers and Mathematics With Applications</i> , 2021 , 81, 838-850	2.7	3
58	Investigation into the outlying swirl instability in the hydro-turbine draft tube under part-load operation. <i>Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy</i> , 2021 , 235, 139-153	1.6	2
57	pH-Responsive Core-Shell Microparticles Prepared by a Microfluidic Chip for the Encapsulation and Controlled Release of Procyanidins. <i>Journal of Agricultural and Food Chemistry</i> , 2021 , 69, 1466-1477	5.7	8
56	Fracture behavior dependent on crack-tip shapes in nanoscale crack-defect monolayer boron nitride sheets. <i>International Journal of Smart and Nano Materials</i> , 2021 , 12, 36-48	3.6	1

55	Construction and evaluation of an iron delivery system by ultra-small nanoparticles from roast sturgeon (<i>Acipenser schrenckii</i>). <i>Food and Function</i> , 2021 , 12, 1147-1155	6.1	2
54	Advances of microfluidic intestine-on-a-chip for analyzing anti-inflammation of food. <i>Critical Reviews in Food Science and Nutrition</i> , 2021 , 1-17	11.5	3
53	Hepatocyte-specific TAZ deletion downregulates p62/Sqstm1 expression in nonalcoholic steatohepatitis. <i>Biochemical and Biophysical Research Communications</i> , 2021 , 535, 60-65	3.4	3
52	A phosphorescence resonance energy transfer-based "off-on" long afterglow aptasensor for cadmium detection in food samples. <i>Talanta</i> , 2021 , 232, 122409	6.2	1
51	Endogenous Fluorescence Carbon Dots Derived from Food Items. <i>Innovation(China)</i> , 2020 , 1, 100009	17.8	22
50	Heating performance enhancement for a road unit by using sectorial-finned pipe. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020 , 141, 187-198	4.1	1
49	Experimental heating performances of a ground source heat pump (GSHP) for heating road unit. <i>Energy Conversion and Management: X</i> , 2020 , 7, 100040	2.5	2
48	Bubble behaviors during subcooled pool boiling in water and nonionic surfactant aqueous solution. <i>International Journal of Heat and Mass Transfer</i> , 2020 , 159, 120087	4.9	2
47	Numerical study on thermal performances of bare, circular and rectangular finned pipes for road heating. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020 , 140, 1147-1157	4.1	2
46	Thermal performances of porous snow by a hydronic heating system at different weather conditions. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020 , 141, 1519-1528	4.1	0
45	Runner blade number influencing RPT runner flow characteristics under off-design conditions. <i>Renewable Energy</i> , 2020 , 152, 876-891	8.1	5
44	Optimization design of the road unit in a hydronic snow melting system with porous snow. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020 , 141, 1509-1517	4.1	2
43	Influence of structural parameters on wavy-tilt-dam hydrodynamic mechanical seal performance in reactor coolant pump. <i>Renewable Energy</i> , 2020 , 166, 210-221	8.1	2
42	A review on remedial attempts to counteract the power generation compromise from draft tubes of hydropower plants. <i>Renewable Energy</i> , 2020 , 150, 743-764	8.1	19
41	Snow melting on the road surface driven by a geothermal system in the severely cold region of China. <i>Sustainable Energy Technologies and Assessments</i> , 2020 , 40, 100781	4.7	3
40	Synergetic mechanism for basic and acid sites of MgMxOy (M = Fe, Mn) double oxides in catalytic ozonation of p-hydroxybenzoic acid and acetic acid. <i>Applied Catalysis B: Environmental</i> , 2020 , 279, 119346	21.8	15
39	Vapor bubble penetration during subcooled pool boiling in a nonionic surfactant aqueous solution. <i>International Journal of Heat and Mass Transfer</i> , 2020 , 159, 120142	4.9	1
38	Study on the method of reducing the pressure fluctuation of hydraulic turbine by optimizing the draft tube pressure distribution. <i>Renewable Energy</i> , 2020 , 162, 550-560	8.1	12

37	Investigation on mutual traveling influences between the draft tube and upstream components of a Francis turbine unit. <i>Renewable Energy</i> , 2020 , 162, 973-992	8.1	5
36	Numerical and Experimental Study on Waviness Mechanical Seal of Reactor Coolant Pump. <i>Processes</i> , 2020 , 8, 1611	2.9	1
35	Dynamic characteristics of load rejection process in a reversible pump-turbine. <i>Renewable Energy</i> , 2020 , 146, 1922-1931	8.1	15
34	Airborne radar sub array partitioning method based on artificial bee colony algorithm 2019 ,		2
33	Investigation on reversible pump turbine flow structures and associated pressure field characteristics under different guide vane openings. <i>Science China Technological Sciences</i> , 2019 , 62, 2052-2074	3.5	6
32	Engineering human islet organoids from iPSCs using an organ-on-chip platform. <i>Lab on A Chip</i> , 2019 , 19, 948-958	7.2	82
31	Integrated Microfluidic Device for Enrichment and Identification of Circulating Tumor Cells from the Blood of Patients with Colorectal Cancer. <i>Disease Markers</i> , 2019 , 2019, 8945974	3.2	6
30	Microfluidic device for on-chip isolation and detection of circulating exosomes in blood of breast cancer patients. <i>Biomicrofluidics</i> , 2019 , 13, 054113	3.2	18
29	Meteorological clutter suppression method for ball-borne radar based on Kalmus filter. <i>Journal of Engineering</i> , 2019 , 2019, 7761-7765	0.7	0
28	Blade trailing edge position influencing pump as turbine (PAT) pressure field under part-load conditions. <i>Renewable Energy</i> , 2019 , 136, 33-47	8.1	27
27	One-Step Generation of Core-shell Gelatin Methacrylate (GelMA) Microgels Using a Droplet Microfluidic System. <i>Advanced Materials Technologies</i> , 2019 , 4, 1800632	6.8	30
26	Paper supported long-term 3D liver co-culture model for the assessment of hepatotoxic drugs. <i>Toxicology Research</i> , 2018 , 7, 13-21	2.6	16
25	Assessment of hepatic metabolism-dependent nephrotoxicity on an organs-on-a-chip microdevice. <i>Toxicology in Vitro</i> , 2018 , 46, 1-8	3.6	18
24	The influence of runner cone perforation on the draft tube vortex in Francis hydro-turbine. <i>Thermal Science</i> , 2018 , 22, 557-566	1.2	1
23	The effect of surfactant solutions on flow structures in turbulent Rayleigh-Benard convection. <i>Thermal Science</i> , 2018 , 22, 507-515	1.2	3
22	RPT Runner Flow Structures Dependence on Guide Vane Opening Angle: A CFD Numerical Simulation. <i>IOP Conference Series: Earth and Environmental Science</i> , 2018 , 192, 012044	0.3	0
21	A Biomimetic Human Gut-on-a-Chip for Modeling Drug Metabolism in Intestine. <i>Artificial Organs</i> , 2018 , 42, 1196-1205	2.6	35
20	A disease model of diabetic nephropathy in a glomerulus-on-a-chip microdevice. <i>Lab on A Chip</i> , 2017 , 17, 1749-1760	7.2	99

19	Assessment of cadmium-induced nephrotoxicity using a kidney-on-a-chip device. <i>Toxicology Research</i> , 2017 , 6, 372-380	2.6	14
18	Drug absorption related nephrotoxicity assessment on an intestine-kidney chip. <i>Biomicrofluidics</i> , 2017 , 11, 034114	3.2	27
17	Investigation on pump as turbine (PAT) technical aspects for micro hydropower schemes: A state-of-the-art review. <i>Renewable and Sustainable Energy Reviews</i> , 2017 , 79, 148-179	16.2	78
16	Chaotic dynamic characteristics of pressure fluctuation signals in hydro-turbine. <i>Journal of Mechanical Science and Technology</i> , 2016 , 30, 5009-5017	1.6	10
15	On the hydraulic axial thrust of Francis hydro-turbine. <i>Journal of Mechanical Science and Technology</i> , 2016 , 30, 2029-2035	1.6	10
14	Microfluidic platform towards point-of-care diagnostics in infectious diseases. <i>Journal of Chromatography A</i> , 2015 , 1377, 13-26	4.5	143
13	Effect of blade perforation on Francis hydro-turbine cavitation characteristics. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2014 , 52, 412-420	1.9	6
12	Experimental Investigation on the Characteristics of Hydrodynamic Stabilities in Francis Hydroturbine Models. <i>Advances in Mechanical Engineering</i> , 2014 , 6, 486821	1.2	6
11	On the Flow Instabilities and Turbulent Kinetic Energy of Large-Scale Francis Hydroturbine Model at Low Flow Rate Conditions. <i>Advances in Mechanical Engineering</i> , 2014 , 6, 786891	1.2	0
10	Effects of cathode potentials and nitrate concentrations on dissimilatory nitrate reductions by <i>Pseudomonas alcaliphila</i> in bioelectrochemical systems. <i>Journal of Environmental Sciences</i> , 2014 , 26, 885-91	6.4	39
9	Large eddy simulation of pressure fluctuations at off-design condition in a Francis turbine based on cavitation model. <i>IOP Conference Series: Materials Science and Engineering</i> , 2013 , 52, 022032	0.4	4
8	Comparisons of LES and RANS Computations with PIV Experiments on a Cylindrical Cavity Flow. <i>Advances in Mechanical Engineering</i> , 2013 , 5, 592940	1.2	1
7	Simultaneous biodegradation of Ni-citrate complexes and removal of nickel from solutions by <i>Pseudomonas alcaliphila</i> . <i>Bioresource Technology</i> , 2012 , 116, 66-73	11	25
6	Autotrophic nitrogen removal from ammonium at low applied voltage in a single-compartment microbial electrolysis cell. <i>Bioresource Technology</i> , 2012 , 116, 271-7	11	62
5	Sulfate reduction with electrons directly derived from electrodes in bioelectrochemical systems. <i>Electrochemistry Communications</i> , 2012 , 22, 37-40	5.1	62
4	Dissimilatory nitrate reduction by <i>Pseudomonas alcaliphila</i> with an electrode as the sole electron donor. <i>Biotechnology and Bioengineering</i> , 2012 , 109, 2904-10	4.9	89
3	Assessment of Les Performance in Simulating Complex 3D Flows in Turbo-Machines. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2012 , 6, 356-365	4.5	12
2	The direct electrocatalysis of phenazine-1-carboxylic acid excreted by <i>Pseudomonas alcaliphila</i> under alkaline condition in microbial fuel cells. <i>Bioresource Technology</i> , 2011 , 102, 7099-102	11	57

- 1 Characteristics of Oil from Hulless Barley (*Hordeum vulgare* L.) Bran from Tibet. *JAACS, Journal of the American Oil Chemists Society*, **2009**, 86, 1175-1179 1.8 12