

Wentao Su

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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 platform towards point-of-care diagnostics in infectious diseases. <i>Journal of Chromatography A</i> , 2015 , 1377, 13-26	4.5	143
71	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
70	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
69	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
68	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
67	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
66	Sulfate reduction with electrons directly derived from electrodes in bioelectrochemical systems. <i>Electrochemistry Communications</i> , 2012 , 22, 37-40	5.1	62
65	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
64	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
63	A Biomimetic Human Gut-on-a-Chip for Modeling Drug Metabolism in Intestine. <i>Artificial Organs</i> , 2018 , 42, 1196-1205	2.6	35
62	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
61	Drug absorption related nephrotoxicity assessment on an intestine-kidney chip. <i>Biomicrofluidics</i> , 2017 , 11, 034114	3.2	27
60	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
59	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
58	Endogenous Fluorescence Carbon Dots Derived from Food Items. <i>Innovation(China)</i> , 2020 , 1, 100009	17.8	22
57	Artificial intelligence: A powerful paradigm for scientific research. <i>Innovation(China)</i> , 2021 , 2, 100179	17.8	21
56	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

55	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
54	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
53	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
52	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
51	Dynamic characteristics of load rejection process in a reversible pump-turbine. <i>Renewable Energy</i> , 2020 , 146, 1922-1931	8.1	15
50	Assessment of cadmium-induced nephrotoxicity using a kidney-on-a-chip device. <i>Toxicology Research</i> , 2017 , 6, 372-380	2.6	14
49	Characteristics of Oil from Hulless Barley (<i>Hordeum vulgare</i> L.) Bran from Tibet. <i>JAACS, Journal of the American Oil Chemists Society</i> , 2009 , 86, 1175-1179	1.8	12
48	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
47	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
46	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
45	On the hydraulic axial thrust of Francis hydro-turbine. <i>Journal of Mechanical Science and Technology</i> , 2016 , 30, 2029-2035	1.6	10
44	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
43	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
42	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
41	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
40	Experimental Investigation on the Characteristics of Hydrodynamic Stabilities in Francis Hydroturbine Models. <i>Advances in Mechanical Engineering</i> , 2014 , 6, 486821	1.2	6
39	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
38	Runner blade number influencing RPT runner flow characteristics under off-design conditions. <i>Renewable Energy</i> , 2020 , 152, 876-891	8.1	5

37	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
36	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
35	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
34	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
33	Pressure fluctuation characteristics of a model pump-turbine during runaway transient. <i>Renewable Energy</i> , 2021 , 163, 517-529	8.1	4
32	The effect of surfactant solutions on flow structures in turbulent Rayleigh-Benard convection. <i>Thermal Science</i> , 2018 , 22, 507-515	1.2	3
31	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
30	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
29	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
28	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
27	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
26	Dual targeting procyanidin nanoparticles with glutathione response for colitis treatment. <i>Chemical Engineering Journal</i> , 2022 , 441, 136095	14.7	3
25	Airborne radar sub array partitioning method based on artificial bee colony algorithm 2019 ,		2
24	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
23	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
22	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
21	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
20	Microfluidic spinning of fucoxanthin-loaded nanofibers for enhancing antioxidation and clarification of fruit juice.. <i>Food and Function</i> , 2022 ,	6.1	2

19	Advances of Exosomal miRNAs in Breast Cancer Progression and Diagnosis. <i>Diagnostics</i> , 2021 , 11,	3.8	2
18	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
17	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
16	Evaluation of hepatic drug-metabolism for glioblastoma using liver-brain chip. <i>Biotechnology Letters</i> , 2021 , 43, 383-392	3	2
15	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
14	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
13	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
12	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
11	Manganese containing oxides catalytic ozonation in aqueous solution: catalytic mechanism on acid sites. <i>Separation and Purification Technology</i> , 2021 , 120053	8.3	1
10	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
9	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
8	Numerical and Experimental Study on Waviness Mechanical Seal of Reactor Coolant Pump. <i>Processes</i> , 2020 , 8, 1611	2.9	1
7	Thermal characteristics of porous concrete in a hydronic road heating system. <i>Applied Thermal Engineering</i> , 2021 , 182, 116074	5.8	1
6	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
5	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
4	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
3	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
2	Meteorological clutter suppression method for ball-borne radar based on Kalmus filter. <i>Journal of Engineering</i> , 2019 , 2019, 7761-7765	0.7	0

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RPT Runner Flow Structures Dependence on Guide Vane Opening Angle: A CFD Numerical Simulation. *IOP Conference Series: Earth and Environmental Science*, **2018**, 192, 012044

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