

Zhen-Chuan Fan

List of Publications by Year in Descending Order

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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.

57
papers

937
citations

19
h-index

28
g-index

61
ext. papers

1,185
ext. citations

4.8
avg, IF

4.27
L-index

#	Paper	IF	Citations
57	Epiphytic Bacteria Are Essential for the Production and Transformation of Algae-Derived Carboxyl-Rich Alicyclic Molecule (CRAM)-like DOM. <i>Microbiology Spectrum</i> , 2021 , 9, e0153121	8.9	4
56	Application of antimicrobial peptide Mytichitin-A in pork preservation during refrigerated storage. <i>Journal of Food Processing and Preservation</i> , 2021 , 45, e15404	2.1	
55	The Role of Suspension Array Technology in Rapid Detection of Foodborne Pollutants: Applications and Future Challenges. <i>Critical Reviews in Analytical Chemistry</i> , 2021 , 1-14	5.2	2
54	Bardet-Biedl syndrome 3 protein promotes ciliary exit of the signaling protein phospholipase D via the BBSome. <i>ELife</i> , 2021 , 10,	8.9	11
53	Application of antimicrobial peptide mytichitin-CB in pork preservation during cold storage. <i>Food Control</i> , 2021 , 125, 108041	6.2	9
52	LZTFL1 mediates phototaxis via controlling BBSome recruitment to the basal body and its reassembly at the ciliary tip. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	5
51	Development and perspectives of rapid detection technology in food and environment. <i>Critical Reviews in Food Science and Nutrition</i> , 2021 , 1-20	11.5	0
50	Chlamydomonas reinhardtii-expressed multimer of Bacteriocin LS2 potently inhibits the growth of bacteria. <i>Process Biochemistry</i> , 2020 , 95, 139-147	4.8	10
49	The potential of antimicrobial peptide Hispidalin application in pork preservation during cold storage. <i>Journal of Food Processing and Preservation</i> , 2020 , 44, e14443	2.1	4
48	Intraflagellar transport protein RABL5/IFT22 recruits the BBSome to the basal body through the GTPase ARL6/BBS3. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 2496-2505	11.5	19
47	Development of vaccines for prevention of peste-des-petits-ruminants virus infection. <i>Microbial Pathogenesis</i> , 2020 , 142, 104045	3.8	2
46	Thiosialoside-decorated polymers use a two-step mechanism to inhibit both early and late stages of influenza virus infection. <i>European Journal of Medicinal Chemistry</i> , 2020 , 199, 112357	6.8	6
45	Chlamydomonas reinhardtii-derived multimer Mytichitin-CB possesses potent antibacterial properties. <i>Process Biochemistry</i> , 2020 , 96, 21-29	4.8	1
44	Chlamydomonas reinhardtii-expressed multimer of ToAMP4 inhibits the growth of bacteria of both Gram-positive and Gram-negative. <i>Process Biochemistry</i> , 2020 , 91, 311-318	4.8	11
43	Apple phlorizin reduce plasma cholesterol by down-regulating hepatic HMG-CoA reductase and enhancing the excretion of fecal sterols. <i>Journal of Functional Foods</i> , 2019 , 62, 103548	5.1	2
42	Expression, purification and characterization of a recombinant antimicrobial peptide Hispidalin in <i>Pichia pastoris</i> . <i>Protein Expression and Purification</i> , 2019 , 160, 19-27	2	23
41	Proteinase and glycoside hydrolase production is enhanced in solid-state fermentation by manipulating the carbon and nitrogen fluxes in <i>Aspergillus oryzae</i> . <i>Food Chemistry</i> , 2019 , 271, 606-613	8.5	23

40	Ornithine decarboxylase is involved in methyl jasmonate-regulated postharvest quality retention in button mushrooms (<i>Agaricus bisporus</i>). <i>Journal of the Science of Food and Agriculture</i> , 2019 , 99, 790-796	4.3	8
39	Cardiomyocyte orientation modulated by the Numb family proteins-N-cadherin axis is essential for ventricular wall morphogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 15560-15569	11.5	11
38	Efficient production of a recombinant <i>Venerupis philippinarum</i> defensin (VpDef) in <i>Pichia pastoris</i> and characterization of its antibacterial activity and stability. <i>Protein Expression and Purification</i> , 2018 , 147, 78-84	2	8
37	Multivalent oleanolic acid human serum albumin conjugate as nonglycosylated neomucin for influenza virus capture and entry inhibition. <i>European Journal of Medicinal Chemistry</i> , 2018 , 143, 1723-1731	6.8	17
36	Multimer of the antimicrobial peptide Mytichitin-A expressed in <i>Chlamydomonas reinhardtii</i> exerts a broader antibacterial spectrum and increased potency. <i>Journal of Bioscience and Bioengineering</i> , 2018 , 125, 175-179	3.3	14
35	A novel bicistronic expression system composed of the intraflagellar transport protein gene <i>ift25</i> and FMDV 2A sequence directs robust nuclear gene expression in <i>Chlamydomonas reinhardtii</i> . <i>Applied Microbiology and Biotechnology</i> , 2017 , 101, 4227-4245	5.7	25
34	CDC42 is required for epicardial and pro-epicardial development by mediating FGF receptor trafficking to the plasma membrane. <i>Development (Cambridge)</i> , 2017 , 144, 1635-1647	6.6	11
33	Arginase participates in the methyl jasmonate-regulated quality maintenance of postharvest <i>Agaricus bisporus</i> fruit bodies. <i>Postharvest Biology and Technology</i> , 2017 , 132, 7-14	6.2	24
32	Synthesis and immunogenicity of PG-tb1 monovalent glycoconjugate. <i>European Journal of Medicinal Chemistry</i> , 2017 , 134, 140-146	6.8	11
31	IFT25 is dispensable for flagellar assembly but required to export the BBSome from flagella. <i>Biology Open</i> , 2017 , 6, 1680-1691	2.2	11
30	Recombinant expression, purification and antimicrobial activity of a novel antimicrobial peptide PaDef in <i>Pichia pastoris</i> . <i>Protein Expression and Purification</i> , 2017 , 130, 90-99	2	24
29	CDC42 is required for epicardial and pro-epicardial development by mediating FGF receptor trafficking to the plasma membrane. <i>Journal of Cell Science</i> , 2017 , 130, e1.2-e1.2	5.3	2
28	Low toxic and high soluble camptothecin derivative 2-47 effectively induces apoptosis of tumor cells <i>in vitro</i> . <i>Biochemical and Biophysical Research Communications</i> , 2016 , 472, 477-81	3.4	7
27	Synthesis and anti-cancer activity evaluation of 5-(2-carboxyethenyl)-isatin derivatives. <i>European Journal of Medicinal Chemistry</i> , 2016 , 112, 145-156	6.8	39
26	Expression, purification and initial characterization of a novel recombinant antimicrobial peptide Mytichitin-A in <i>Pichia pastoris</i> . <i>Protein Expression and Purification</i> , 2016 , 127, 35-43	2	23
25	Synthesis of multivalent difluorinated zanamivir analogs as potent antiviral inhibitors. <i>Tetrahedron Letters</i> , 2016 , 57, 2579-2582	2	19
24	Multivalent S-sialoside protein conjugates block influenza hemagglutinin and neuraminidase. <i>Carbohydrate Research</i> , 2016 , 435, 68-75	2.9	19
23	Total synthesis of 8-(6?-umbelliferyl)-apigenin and its analogs as anti-diabetic reagents. <i>European Journal of Medicinal Chemistry</i> , 2016 , 122, 674-683	6.8	13

22	Novel reassortant influenza viruses between pandemic (H1N1) 2009 and other influenza viruses pose a risk to public health. <i>Microbial Pathogenesis</i> , 2015 , 89, 62-72	3.8	24
21	Synthesis and anti-cancer activity evaluation of novel prenylated and geranylated chalcone natural products and their analogs. <i>European Journal of Medicinal Chemistry</i> , 2015 , 92, 439-48	6.8	58
20	5-(2-carboxyethenyl) isatin derivative induces G ₂ M cell cycle arrest and apoptosis in human leukemia K562 cells. <i>Biochemical and Biophysical Research Communications</i> , 2014 , 450, 1650-5	3.4	13
19	Non-targeted metabolomic reveals the effect of salt stress on global metabolite of halotolerant yeast <i>Candida versatilis</i> and principal component analysis. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2014 , 41, 1553-62	4.2	9
18	Effect of salt-tolerant yeast of <i>Candida versatilis</i> and <i>Zygosaccharomyces rouxii</i> on the production of biogenic amines during soy sauce fermentation. <i>Journal of the Science of Food and Agriculture</i> , 2014 , 94, 1537-42	4.3	26
17	Rescue of defective MC4R cell-surface expression and signaling by a novel pharmacoperone Ipsen 17. <i>Journal of Molecular Endocrinology</i> , 2014 , 53, 17-29	4.5	19
16	Comparative study of physiological adaptation to salt stress in the genome shuffled <i>Candida versatilis</i> and a wild-type salt-tolerant yeast strain. <i>European Food Research and Technology</i> , 2014 , 238, 675-682	3.4	4
15	Development of a reporter bovine viral diarrhea virus and initial evaluation of its application for high throughput antiviral drug screening. <i>Journal of Virological Methods</i> , 2012 , 180, 54-61	2.6	6
14	An alternative -1/+2 open reading frame exists within viral N(pro)(1-19) region of bovine viral diarrhea virus SD-1. <i>Virus Research</i> , 2012 , 163, 341-51	6.4	4
13	<i>Chlamydomonas</i> IFT70/CrDYF-1 is a core component of IFT particle complex B and is required for flagellar assembly. <i>Molecular Biology of the Cell</i> , 2010 , 21, 2696-706	3.5	50
12	The extra 16-amino-acid peptide at C-terminal NS2 of the hypervirulent type-2 bovine viral diarrhea viruses has no effect on viral replication and NS2-3 processing of type-1 virus. <i>Virus Genes</i> , 2010 , 41, 218-23	2.3	4
11	Intraflagellar transport (IFT) protein IFT25 is a phosphoprotein component of IFT complex B and physically interacts with IFT27 in <i>Chlamydomonas</i> . <i>PLoS ONE</i> , 2009 , 4, e5384	3.7	76
10	Functional characterization and pharmacological rescue of melanocortin-4 receptor mutations identified from obese patients. <i>Journal of Cellular and Molecular Medicine</i> , 2009 , 13, 3268-82	5.6	67
9	Regeneration and characterization of a recombinant bovine viral diarrhea virus and determination of its efficacy to cross the bovine placenta. <i>Virus Genes</i> , 2009 , 38, 129-35	2.3	3
8	A novel melanocortin-4 receptor gene mutation in a female patient with severe childhood obesity. <i>Endocrine</i> , 2009 , 36, 52-9	4	20
7	Functions of Transmembrane Domain 6 in Human Melanocortin-4 Receptor. <i>FASEB Journal</i> , 2009 , 23, 943.4	0.9	
6	Functions of acidic transmembrane residues in human melanocortin-3 receptor binding and activation. <i>Biochemical Pharmacology</i> , 2008 , 76, 520-30	6	36
5	An improved reverse genetics system for generation of bovine viral diarrhea virus as a BAC cDNA. <i>Journal of Virological Methods</i> , 2008 , 149, 309-15	2.6	18

4	Generation and characterization of an Npro-disrupted marker bovine viral diarrhoea virus derived from a BAC cDNA. <i>Journal of Virological Methods</i> , 2008 , 151, 257-263	2.6	10
3	Bovine viral diarrhoea virus is a suitable viral vector for stable expression of heterologous gene when inserted in between N(pro) and C genes. <i>Virus Research</i> , 2008 , 138, 97-104	6.4	17
2	Pharmacological analyses of two naturally occurring porcine melanocortin-4 receptor mutations in domestic pigs. <i>Domestic Animal Endocrinology</i> , 2008 , 34, 383-90	2.3	30
1	Molecular cloning and pharmacological characterization of porcine melanocortin-3 receptor. <i>Journal of Endocrinology</i> , 2008 , 196, 139-48	4.7	24