Dongyan Shao

List of Publications by Year
in descending order

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61 papers	2,199 citations	236925 25 h-index	243625 44 g-index
61 all docs	61 docs citations	61 times ranked	2865 citing authors

#	Article	IF	Citations
1	Biological activity of lipopeptides from Bacillus. Applied Microbiology and Biotechnology, 2017, 101, 5951-5960.	3.6	233
2	Fungal silver nanoparticles: synthesis, application and challenges. Critical Reviews in Biotechnology, 2018, 38, 817-835.	9.0	178
3	Beneficial effects of endophytic fungi colonization on plants. Applied Microbiology and Biotechnology, 2019, 103, 3327-3340.	3.6	157
4	Identification, characterization, and probiotic potential of Lactobacillus rhamnosus isolated from human milk. LWT - Food Science and Technology, 2017, 84, 271-280.	5.2	134
5	Effects of polysaccharide from mycelia of Ganoderma lucidum on intestinal barrier functions of rats. International Journal of Biological Macromolecules, 2017, 94, 1-9.	7.5	102
6	Anticancer potential against cervix cancer (HeLa) cell line of probiotic Lactobacillus casei and Lactobacillus paracasei strains isolated from human breast milk. Food and Function, 2018, 9, 2705-2715.	4.6	90
7	Capacity of lactic acid bacteria in immunity enhancement and cancer prevention. Applied Microbiology and Biotechnology, 2017, 101, 35-45.	3.6	70
8	Potential of Bacillus subtilis lipopeptides in anti-cancer I: induction of apoptosis and paraptosis and inhibition of autophagy in K562 cells. AMB Express, 2018, 8, 78.	3.0	70
9	Anti-tumor potential of cell free culture supernatant of Lactobacillus rhamnosus strains isolated from human breast milk. Food Research International, 2019, 123, 286-297.	6.2	59
10	Production of bioproducts by endophytic fungi: chemical ecology, biotechnological applications, bottlenecks, and solutions. Applied Microbiology and Biotechnology, 2018, 102, 6279-6298.	3.6	57
11	Bacillus subtilis inhibits Aspergillus carbonarius by producing iturin A, which disturbs the transport, energy metabolism, and osmotic pressure of fungal cells as revealed by transcriptomics analysis. International Journal of Food Microbiology, 2020, 330, 108783.	4.7	54
12	Artemisia sphaerocephala Krasch polysaccharide mediates lipid metabolism and metabolic endotoxaemia in associated with the modulation of gut microbiota in diet-induced obese mice. International Journal of Biological Macromolecules, 2020, 147, 1008-1017.	7.5	51
13	Plasma and hepatic cholesterol-lowering effects of tomato pomace, tomato seed oil and defatted tomato seed in hamsters fed with high-fat diets. Food Chemistry, 2013, 139, 589-596.	8.2	50
14	Prediction of new targets and mechanisms for quercetin in the treatment of pancreatic cancer, colon cancer, and rectal cancer. Food and Function, 2019, 10, 5339-5349.	4.6	49
15	Strategies for enhancing resveratrol production and the expression of pathway enzymes. Applied Microbiology and Biotechnology, 2016, 100, 7407-7421.	3.6	47
16	Simulated microgravity affects some biological characteristics of Lactobacillus acidophilus. Applied Microbiology and Biotechnology, 2017, 101, 3439-3449.	3.6	46
17	Iturin Aâ€like lipopeptides from Bacillus subtilis trigger apoptosis, paraptosis, and autophagy in Cacoâ€2 cells. Journal of Cellular Physiology, 2019, 234, 6414-6427.	4.1	45
18	Capability of iturin from Bacillus subtilis to inhibit Candida albicans in vitro and in vivo. Applied Microbiology and Biotechnology, 2019, 103, 4377-4392.	3.6	37

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19	pH-responsive dithiomaleimide-amphiphilic block copolymer for drug delivery and cellular imaging. Journal of Colloid and Interface Science, 2019, 552, 439-447.	9.4	36
20	Response of intestinal metabolome to polysaccharides from mycelia of Ganoderma lucidum. International Journal of Biological Macromolecules, 2019, 122, 723-731.	7.5	34
21	Characteristics of Isolation and Functionality of Protein from Tomato Pomace Produced with Different Industrial Processing Methods. Food and Bioprocess Technology, 2014, 7, 532-541.	4.7	33
22	Novel Biomedical Functions of Surfactin A from Bacillus subtilis in Wound Healing Promotion and Scar Inhibition. Journal of Agricultural and Food Chemistry, 2020, 68, 6987-6997.	5.2	32
23	Lactobacillus rhamnosusfrom human breast milk ameliorates ulcerative colitis in miceviagut microbiota modulation. Food and Function, 2021, 12, 5171-5186.	4.6	30
24	Potential of lactic acid bacteria derived polysaccharides for the delivery and controlled release of oral probiotics. Journal of Controlled Release, 2020, 323, 110-124.	9.9	28
25	Responses of Intestinal Mucosal Barrier Functions of Rats to Simulated Weightlessness. Frontiers in Physiology, 2018, 9, 729.	2.8	27
26	Genomic sequencing, genome-scale metabolic network reconstruction, and in silico flux analysis of the grape endophytic fungus Alternaria sp. MG1. Microbial Cell Factories, 2019, 18, 13.	4.0	27
27	Fungal In Situ Assembly Gives Novel Properties to CdS_xSe_{1â€“x} Quantum Dots for Sensitive Label-Free Detection of Chloramphenicol. ACS Sustainable Chemistry and Engineering, 2020, 8, 6806-6814.	6.7	27
28	Recovery of gold from electronic wastewater by Phomopsis sp. XP-8 and its potential application in the degradation of toxic dyes. Bioresource Technology, 2019, 288, 121610.	9.6	26
29	Origination, change, and modulation of geriatric disease-related gut microbiota during life. Applied Microbiology and Biotechnology, 2018, 102, 8275-8289.	3.6	25
30	Grape seed proanthocyanidins suppressed macrophage foam cell formation by miRNA-9 via targeting ACAT1 in THP-1 cells. Food and Function, 2020, 11, 1258-1269.	4.6	25
31	Study of Optimal Extraction Conditions for Achieving High Yield and Antioxidant Activity of Tomato Seed Oil. Journal of Food Science, 2012, 77, E202-8.	3.1	23
32	Cholesterolâ€Lowering Effects and Mechanisms in View of Bile Acid Pathway of Resveratrol and Resveratrol Glucuronides. Journal of Food Science, 2016, 81, H2841-H2848.	3.1	23
33	Dietary compounds have potential in controlling atherosclerosis by modulating macrophage cholesterol metabolism and inflammation via miRNA. Npj Science of Food, 2018, 2, 13.	5.5	23
34	Mechanisms forLactobacillus rhamnosustreatment of intestinal infection by drug-resistantEscherichia coli. Food and Function, 2020, 11, 4428-4445.	4.6	22
35	Synthesis of silver nanoparticles and its contribution to the capability of Bacillus subtilis to deal with polluted waters. Applied Microbiology and Biotechnology, 2019, 103, 6319-6332.	3.6	21
36	Effect of cell culture models on the evaluation of anticancer activity and mechanism analysis of the potential bioactive compound, iturin A, produced by Bacillus subtilis. Food and Function, 2019, 10, 1478-1489.	4.6	16

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37	The anti-obesity effects exerted by different fractions of Artemisia sphaerocephala Krasch polysaccharide in diet-induced obese mice. International Journal of Biological Macromolecules, 2021, 182, 825-837.	7.5	16
38	Impact of dietary compounds on cancer-related gut microbiota and microRNA. Applied Microbiology and Biotechnology, 2018, 102, 4291-4303.	3.6	15
39	miRNAâ€mediated macrophage behaviors responding to matrix stiffness and oxâ€LDL. Journal of Cellular Physiology, 2020, 235, 6139-6153.	4.1	15
40	Effects of Bacillus subtilis iturin A on HepG2 cells in vitro and vivo. AMB Express, 2021, 11, 67.	3.0	15
41	Clinostat Rotation Affects Metabolite Transportation and Increases Organic Acid Production by Aspergillus carbonarius , as Revealed by Differential Metabolomic Analysis. Applied and Environmental Microbiology, 2019, 85, .	3.1	13
42	Strategies to enhance the production of pinoresinol and its glucosides by endophytic fungus (Phomopsis sp. XP-8) isolated from Tu-chung bark. AMB Express, 2018, 8, 55.	3.0	11
43	Potentials of orally supplemented selenium-enriched Lacticaseibacillus rhamnosus to mitigate the lead induced liver and intestinal tract injury. Environmental Pollution, 2022, 302, 119062.	7.5	10
44	A New Ex Vivo Method for Effective Expansion and Activation of Human Natural Killer Cells for Anti-Tumor Immunotherapy. Cell Biochemistry and Biophysics, 2015, 73, 723-729.	1.8	9
45	Heterologous expression of Oenococcus oeni sHSP20 confers temperature stress tolerance in Escherichia coli. Cell Stress and Chaperones, 2018, 23, 653-662.	2.9	8
46	Filamentous fungal in situ biosynthesis of heterogeneous Au/Cd0.5Zn0.5S nano-photocatalyst: A macroscopic assembly strategy for preparing composite mycelial pellets with visible light degradation ability. Journal of Hazardous Materials, 2021, 406, 124797.	12.4	8
47	Bioconversion of Pinoresinol Diglucoside and Pinoresinol from Substrates in the Phenylpropanoid Pathway by Resting Cells of Phomopsis sp.XP-8. PLoS ONE, 2015, 10, e0137066.	2.5	8
48	Polyphenolic Content and Color of Seedless and Seeded Shade Dried Chinese Raisins. Food Science and Technology Research, 2016, 22, 359-369.	0.6	8
49	The Role of Vasoactive Intestinal Peptide and Mast Cells in the Regulatory Effect of Lactobacillus casei ATCC 393 on Intestinal Mucosal Immune Barrier. Frontiers in Immunology, 2021, 12, 723173.	4.8	7
50	Response of human gut microbiota under simulated microgravity. Applied Microbiology and Biotechnology, 2022, 106, 5221-5231.	3.6	7
51	The aspartyl asparaginyl beta-hydroxylase in carcinomas. Frontiers in Bioscience - Landmark, 2015, 20, 902-909.	3.0	6
52	Comparison of pinoresinol diglucoside production byPhomopsissp. XP-8 in different media and the characterisation and product profiles of the cultivation in mung bean. Journal of the Science of Food and Agriculture, 2016, 96, 4015-4025.	3.5	5
53	Fungal Spores Promote the Glycerol Production of Saccharomyces cerevisiae by Upregulating the Oxidative Balance Pathway. Journal of Agricultural and Food Chemistry, 2018, 66, 3188-3198.	5.2	5
54	Mechanisms of the Effect of Simulated Microgravity on the Cytotoxicity of NK Cells Following the DNA Methylation of NKG2D and the Expression of DAP10. Microgravity Science and Technology, 2021, 33, 1.	1.4	5

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55	Development of a paper-based method to detect Hg2+ in waste water using iturin from Bacillus subtilis. Applied Microbiology and Biotechnology, 2019, 103, 8609-8618.	3.6	4
56	Reverse cholesterol transport-related miRNAs and their regulation by natural functional compounds. Current Protein and Peptide Science, 2019, 20, 1004-1011.	1.4	4
57	Immobilized enzymes from Geotrichum spp. improve wine quality. Applied Microbiology and Biotechnology, 2017, 101, 6637-6649.	3.6	3
58	Blocking ACATâ€1 Activity for Tumor Therapy with Fluorescent Hyperstar Polymerâ€Encapsulated Avasimible. Macromolecular Bioscience, 2020, 20, e1900438.	4.1	3
59	Potential role of selenium in alleviating obesity-related iron dyshomeostasis. Critical Reviews in Food Science and Nutrition, 2023, 63, 10032-10046.	10.3	3
60	Changes of cytoskeleton affect T cell biological behaviors. Frontiers in Bioscience - Landmark, 2015, 20, 829-837.	3.0	2
61	Amphiphilic star copolymers-mediated co-delivery of doxorubicin and avasimibe for effective combination chemotherapy. Journal of Materials Science, 2020, 55, 9525-9537.	3.7	2