

Siyuan Wang

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

1,013
citations

623734

14
h-index

752698

20
g-index

20
all docs

20
docs citations

20
times ranked

1250
citing authors

#	ARTICLE	IF	CITATIONS
1	A microfluidic colorimetric biosensor for rapid detection of Escherichia coli O157:H7 using gold nanoparticle aggregation and smart phone imaging. Biosensors and Bioelectronics, 2019, 124-125, 143-149.	10.1	237
2	A microfluidic biosensor for online and sensitive detection of Salmonella typhimurium using fluorescence labeling and smartphone video processing. Biosensors and Bioelectronics, 2019, 140, 111333.	10.1	133
3	Comparing the effects of high hydrostatic pressure and thermal pasteurization combined with nisin on the quality of cucumber juice drinks. Innovative Food Science and Emerging Technologies, 2013, 17, 27-36.	5.6	99
4	Microfluidic Colorimetric Biosensors Based on MnO ₂ Nanozymes and Divergence Spiral Micromixers for Rapid and Sensitive Detection of Salmonella. ACS Sensors, 2021, 6, 2883-2892.	7.8	73
5	A lab-on-chip device for the sample-in-result-out detection of viable Salmonella using loop-mediated isothermal amplification and real-time turbidity monitoring. Lab on A Chip, 2020, 20, 2296-2305.	6.0	66
6	Optical Biosensor for Rapid Detection of Salmonella typhimurium Based on Porous Gold@Platinum Nanocatalysts and a 3D Fluidic Chip. ACS Sensors, 2020, 5, 65-72.	7.8	62
7	Impacts of the Particle Sizes and Levels of Inclusions of Cherry Pomace on the Physical and Structural Properties of Direct Expanded Corn Starch. Food and Bioprocess Technology, 2017, 10, 394-406.	4.7	51
8	A capillary biosensor for rapid detection of Salmonella using Fe-nanocluster amplification and smart phone imaging. Biosensors and Bioelectronics, 2019, 127, 142-149.	10.1	51
9	Effects of Anti-browning Combinations of Ascorbic Acid, Citric Acid, Nitrogen and Carbon Dioxide on the Quality of Banana Smoothies. Food and Bioprocess Technology, 2014, 7, 161-173.	4.7	44
10	Impacts of the inclusion of various fruit pomace types on the expansion of corn starch extrudates. LWT - Food Science and Technology, 2019, 110, 223-230.	5.2	42
11	Combining impedance biosensor with immunomagnetic separation for rapid screening of Salmonella in poultry supply chains. Poultry Science, 2020, 99, 1606-1614.	3.4	30
12	A Comparative Study of Changes in Microbiological Quality and Physicochemical Properties of N ₂ -Infused and N ₂ -Degassed Banana Smoothies After High Pressure Processing. Food and Bioprocess Technology, 2015, 8, 333-342.	4.7	23
13	A finger-actuated microfluidic biosensor for colorimetric detection of foodborne pathogens. Food Chemistry, 2022, 381, 131801.	8.2	23
14	Inactivation of naturally occurring microbiota in cucumber juice by pressure treatment. International Journal of Food Microbiology, 2014, 174, 12-18.	4.7	19
15	A Rapid and Sensitive Salmonella Biosensor Based on Viscoelastic Inertial Microfluidics. Sensors, 2020, 20, 2738.	3.8	15
16	Automatic and multi-channel detection of bacteria on a slidable centrifugal disc based on FTA card nucleic acid extraction and recombinase aided amplification. Lab on A Chip, 2021, 22, 80-89.	6.0	15
17	Waxy Wheat Flour as a Freeze-Thaw Stable Ingredient Through Rheological Studies. Food and Bioprocess Technology, 2017, 10, 1281-1296.	4.7	10
18	A Fluorescent Biosensor for Sensitive Detection of Salmonella Typhimurium Using Low-Gradient Magnetic Field and Deep Learning via Faster Region-Based Convolutional Neural Network. Biosensors, 2021, 11, 447.	4.7	9

#	ARTICLE	IF	CITATIONS
19	Chemical Composition and Immunomodulatory Activity of Mycelia of the Hairy Bracket Mushroom, <i>Trametes hirsuta</i> (Higher Basidiomycetes). <i>International Journal of Medicinal Mushrooms</i> , 2015, 17, 267-276.	1.5	7
20	Isolation and identification of high pressure-resistant bacteria naturally contaminating strawberry pulp. <i>International Journal of Food Science and Technology</i> , 2012, 47, 2620-2626.	2.7	4