

# Jun Tian

## List of Publications by Year in descending order

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Version: 2024-02-01

60  
papers

2,571  
citations

201674

27  
h-index

197818

49  
g-index

61  
all docs

61  
docs citations

61  
times ranked

2529  
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent development in biological activities and safety concerns of perillaldehyde from perilla plants: A review. <i>Critical Reviews in Food Science and Nutrition</i> , 2022, 62, 6328-6340.	10.3	26
2	Weighted Distribution Constraint Based Prediction of Available Interval of Coaxial-to-Microstrip Flexible Interconnection. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2022, 12, 316-328.	2.5	2
3	Therapeutic Potential of Perillaldehyde in Ameliorating Vulvovaginal Candidiasis by Reducing Vaginal Oxidative Stress and Apoptosis. <i>Antioxidants</i> , 2022, 11, 178.	5.1	7
4	Rapid chiral assay of amino compounds using diethyl squarate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 272, 120871.	3.9	0
5	Antimicrobial mechanisms of spice essential oils and application in food industry. <i>Food Chemistry</i> , 2022, 382, 132312.	8.2	63
6	Dysfunction of <i>FadA</i> cAMP signalling decreases <i>Aspergillus flavus</i> resistance to antimicrobial natural preservative Perillaldehyde and <i>AFB1</i> biosynthesis. <i>Environmental Microbiology</i> , 2022, 24, 1590-1607.	3.8	42
7	Equivalent Circuit-Based Coupling Modeling of Double Bond Ribbons Interconnection Variation in Electronic Packaging. <i>IEEE Microwave and Wireless Components Letters</i> , 2022, , 1-4.	3.2	0
8	Antifungal effect of nerol via transcriptome analysis and cell growth repression in sweet potato spoilage fungi <i>Ceratocystis fimbriata</i> . <i>Postharvest Biology and Technology</i> , 2021, 171, 111343.	6.0	30
9	Antioxidant, hepatoprotective and antifungal activities of black pepper ( <i>Piper nigrum</i> L.) essential oil. <i>Food Chemistry</i> , 2021, 346, 128845.	8.2	65
10	Electromechanical Coupling Parameter Identification for Flexible Conductor Wire Interconnection Considering Interaction Effect in Microwave Circuits. <i>Electronics (Switzerland)</i> , 2021, 10, 464.	3.1	4
11	From MonoBINOL to BisBINOL: Expanded Enantioselective Fluorescent Recognition of Amino Acids. <i>Journal of Organic Chemistry</i> , 2021, 86, 6780-6786.	3.2	13
12	Semiquantitative Visual Chiral Assay with a Pseudoenantiomeric Fluorescent Sensor Pair. <i>Journal of Organic Chemistry</i> , 2021, 86, 9603-9609.	3.2	5
13	Effects of Paired Associative Stimulation on Metabolites in Ischemia Stroke Rats Model as Studied by Nuclear Magnetic Resonance Spectrum. <i>Neurochemical Research</i> , 2021, 46, 2495-2504.	3.3	2
14	Structure, physicochemical properties and effects on nutrients digestion of modified soluble dietary fiber extracted from sweet potato residue. <i>Food Research International</i> , 2021, 150, 110761.	6.2	18
15	Analysis of chemical components and biological activities of essential oils from black and white pepper ( <i>Piper nigrum</i> L.) in five provinces of southern China. <i>LWT - Food Science and Technology</i> , 2020, 117, 108644.	5.2	43
16	Dietary fiber isolated from sweet potato residues promotes a healthy gut microbiome profile. <i>Food and Function</i> , 2020, 11, 689-699.	4.6	46
17	Transcriptome Sequencing Revealed an Inhibitory Mechanism of <i>Aspergillus flavus</i> Asexual Development and Aflatoxin Metabolism by Soy-Fermenting Non-Aflatoxigenic <i>Aspergillus</i> . <i>International Journal of Molecular Sciences</i> , 2020, 21, 6994.	4.1	10
18	Perillaldehyde: A promising antifungal agent to treat oropharyngeal candidiasis. <i>Biochemical Pharmacology</i> , 2020, 180, 114201.	4.4	22

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19	Chemoselective and enantioselective fluorescent recognition of glutamic and aspartic acids. <i>Chemical Communications</i> , 2020, 56, 15012-15015.	4.1	12
20	A near-IR Fluorescent Probe for Enantioselective Recognition of Amino Acids in Aqueous Solution. <i>Journal of Organic Chemistry</i> , 2020, 85, 7342-7348.	3.2	21
21	Discovery of the Endophytic Fungi from <i>Polygonum cuspidatum</i> and Biotransformation of Resveratrol to Pterostilbene by the Endophyte <i>Penicillium</i> sp. F5. <i>Applied Biochemistry and Microbiology</i> , 2020, 56, 313-320.	0.9	8
22	Activities of Nerol, a natural plant active ingredient, against <i>Candida albicans</i> in vitro and in vivo. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 5039-5052.	3.6	17
23	The Molecular Mechanism of Perillaldehyde Inducing Cell Death in <i>Aspergillus flavus</i> by Inhibiting Energy Metabolism Revealed by Transcriptome Sequencing. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1518.	4.1	22
24	Gas Chromatography–Mass Spectrometry Profiling of Volatile Compounds Reveals Metabolic Changes in a Non-Aflatoxigenic <i>Aspergillus flavus</i> Induced by 5-Azacytidine. <i>Toxins</i> , 2020, 12, 57.	3.4	5
25	Luteolin alleviates ochratoxin A induced oxidative stress by regulating Nrf2 and HIF-1 $\alpha$ pathways in NRK-52E rat kidney cells. <i>Food and Chemical Toxicology</i> , 2020, 141, 111436.	3.6	28
26	Phase Compensation Method for Active Phased Array Antennas in Operating Environment based on Electromechanical Coupling Model. , 2020, , .		1
27	Cinnamaldehyde inhibits <i>Candida albicans</i> growth by causing apoptosis and its treatment on vulvovaginal candidiasis and oropharyngeal candidiasis. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 9037-9055.	3.6	36
28	Effect of Perillaldehyde on Prophylaxis and Treatment of Vaginal Candidiasis in a Murine Model. <i>Frontiers in Microbiology</i> , 2019, 10, 1466.	3.5	25
29	Fluorescent Recognition of Functional Secondary Amines in the Fluorous Phase. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 2533-2538.	2.4	3
30	Cinnamaldehyde, a Promising Natural Preservative Against <i>Aspergillus flavus</i> . <i>Frontiers in Microbiology</i> , 2019, 10, 2895.	3.5	58
31	Induced cell death in <i>Ceratocystis fimbriata</i> by proapoptotic activity of a natural organic compound, perillaldehyde, through Ca <sup>2+</sup> overload and accumulation of reactive oxygen species. <i>Plant Pathology</i> , 2019, 68, 344-357.	2.4	17
32	Enantioselective Fluorescent Recognition of Amino Acids in Aqueous Solution by Using a Chiral Aldehyde Probe. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 1891-1895.	2.4	16
33	Fluorescent Recognition of 1,3-Diaminopropane in the Fluorous Phase – Greatly Enhanced Sensitivity and Selectivity. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 1053-1059.	2.4	6
34	Fluorescent Discrimination of Primary Alkyl Amines by Using a Binaphthyl Ladder Polymer. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 1896-1901.	2.4	2
35	Genomic Analysis of <i>Microbulbifer</i> sp. Strain A4B-17 and the Characterization of Its Metabolic Pathways for 4-Hydroxybenzoic Acid Synthesis. <i>Frontiers in Microbiology</i> , 2018, 9, 3115.	3.5	5
36	Perillaldehyde Controls Postharvest Black Rot Caused by <i>Ceratocystis fimbriata</i> in Sweet Potatoes. <i>Frontiers in Microbiology</i> , 2018, 9, 1102.	3.5	24

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37	Nerol-induced apoptosis associated with the generation of ROS and Ca <sup>2+</sup> overload in saprotrophic fungus <i>Aspergillus flavus</i> . <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 6659-6672.	3.6	35
38	Calcium and oxidative stress mediate perillaldehyde-induced apoptosis in <i>Candida albicans</i> . <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 3335-3345.	3.6	52
39	Synthesis of Deoxyglycosides by Desulfurization under UV Light. <i>Journal of Organic Chemistry</i> , 2017, 82, 7008-7014.	3.2	26
40	Highly Efficient Selective Benzoylation of Carbohydrates Catalyzed by Iron(III) with Silver Oxide and Bromide Anion as Co-catalysts. <i>ChemCatChem</i> , 2017, 9, 950-953.	3.7	29
41	Polymer Amplified Enantioselectivity in the Fluorescent Recognition of Prolinol. <i>Chemistry - A European Journal</i> , 2017, 23, 17678-17681.	3.3	9
42	Perillaldehyde, a Promising Antifungal Agent Used in Food Preservation, Triggers Apoptosis through a Metacaspase-Dependent Pathway in <i>Aspergillus flavus</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 7404-7413.	5.2	82
43	Synthesis and in vitro antifungal efficacy of oleoyl-chitosan nanoparticles against plant pathogenic fungi. <i>International Journal of Biological Macromolecules</i> , 2016, 82, 830-836.	7.5	80
44	Inhibitory effect of nerol against <i>Aspergillus niger</i> on grapes through a membrane lesion mechanism. <i>Food Control</i> , 2015, 55, 54-61.	5.5	46
45	Efficacy and possible mechanisms of perillaldehyde in control of <i>Aspergillus niger</i> causing grape decay. <i>International Journal of Food Microbiology</i> , 2015, 202, 27-34.	4.7	87
46	Perillaldehyde, a potential preservative agent in foods: Assessment of antifungal activity against microbial spoilage of cherry tomatoes. <i>LWT - Food Science and Technology</i> , 2015, 60, 63-70.	5.2	40
47	Dill ( <i>Anethum graveolens</i> L.) seed essential oil induces <i>Candida albicans</i> apoptosis in a metacaspase-dependent manner. <i>Fungal Biology</i> , 2014, 118, 394-401.	2.5	34
48	iTRAQ analysis of gill proteins from the zebrafish ( <i>Danio rerio</i> ) infected with <i>Aeromonas hydrophila</i> . <i>Fish and Shellfish Immunology</i> , 2014, 36, 229-239.	3.6	73
49	Regional variation in components and antioxidant and antifungal activities of <i>Perilla frutescens</i> essential oils in China. <i>Industrial Crops and Products</i> , 2014, 59, 69-79.	5.2	65
50	In vivo and in vitro antioxidant activity and $\alpha$ -glucosidase, $\alpha$ -amylase inhibitory effects of flavonoids from <i>Cichorium glandulosum</i> seeds. <i>Food Chemistry</i> , 2013, 139, 59-66.	8.2	94
51	Antifungal mechanism of essential oil from <i>Anethum graveolens</i> seeds against <i>Candida albicans</i> . <i>Journal of Medical Microbiology</i> , 2013, 62, 1175-1183.	1.8	83
52	The Mechanism of Antifungal Action of Essential Oil from Dill ( <i>Anethum graveolens</i> L.) on <i>Aspergillus flavus</i> . <i>PLoS ONE</i> , 2012, 7, e30147.	2.5	264
53	The control of <i>Aspergillus flavus</i> with <i>Cinnamomum jensenianum</i> Hand.-Mazz essential oil and its potential use as a food preservative. <i>Food Chemistry</i> , 2012, 130, 520-527.	8.2	201
54	In vitro and in vivo activity of essential oil from dill ( <i>Anethum graveolens</i> L.) against fungal spoilage of cherry tomatoes. <i>Food Control</i> , 2011, 22, 1992-1999.	5.5	126

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55	Chemical composition and antifungal activity of essential oil from <i>Cicuta virosa</i> L. var. <i>latisecta</i> Celak. <i>International Journal of Food Microbiology</i> , 2011, 145, 464-470.	4.7	205
56	Hydrolysis of Cellulose over Cs <sub>x</sub> H <sub>3</sub> PW <sub>12</sub> O <sub>40</sub> (X =) Tj ETQp 0 0 rgBT/Overloc	1.5	62
57	Properties of Sn <sub>3.8</sub> Ag <sub>0.7</sub> Cu Solder Alloy with Trace Rare Earth Element Y Additions. <i>Journal of Electronic Materials</i> , 2007, 36, 766-774.	2.2	60
58	Thirty million year deep sea records in the South China Sea. <i>Science Bulletin</i> , 2003, 48, 2524-2535.	1.7	75
59	Transition of Quaternary glacial cyclicity in deep-sea records at Nansha, the South China Sea. <i>Science in China Series D: Earth Sciences</i> , 2001, 44, 926-933.	0.9	35
60	Enantioselective Fluorescent Recognition of $\beta$ -Amino Alcohols by a Stereoselective Cyclization. <i>European Journal of Organic Chemistry</i> , 0, , .	2.4	2