

Ya-Jie Tang

List of Publications by Year in descending order

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Version: 2024-02-01

81
papers

2,604
citations

185998

28
h-index

223531

46
g-index

83
all docs

83
docs citations

83
times ranked

3689
citing authors

#	ARTICLE	IF	CITATIONS
1	Metabolic engineering of <i>Escherichia coli</i> using CRISPR-Cas9 mediated genome editing. <i>Metabolic Engineering</i> , 2015, 31, 13-21.	3.6	351
2	Snail and Slug collaborate on EMT and tumor metastasis through miR-101-mediated EZH2 axis in oral tongue squamous cell carcinoma. <i>Oncotarget</i> , 2015, 6, 6794-6810.	0.8	99
3	Antifungal Activity of Essential Oil Compounds (Geraniol and Citral) and Inhibitory Mechanisms on Grain Pathogens (<i>Aspergillus flavus</i> and <i>Aspergillus ochraceus</i>). <i>Molecules</i> , 2018, 23, 2108.	1.7	98
4	Performance analyses of a pH-shift and DOT-shift integrated fed-batch fermentation process for the production of ganoderic acid and <i>Ganoderma</i> polysaccharides by medicinal mushroom <i>Ganoderma lucidum</i> . <i>Bioresource Technology</i> , 2009, 100, 1852-1859.	4.8	96
5	Graphene quantum dots (GQDs)-based nanomaterials for improving photodynamic therapy in cancer treatment. <i>European Journal of Medicinal Chemistry</i> , 2019, 182, 111620.	2.6	92
6	Construction, Model-Based Analysis, and Characterization of a Promoter Library for Fine-Tuned Gene Expression in <i>Bacillus subtilis</i> . <i>ACS Synthetic Biology</i> , 2018, 7, 1785-1797.	1.9	67
7	Polyoxometalate-Based Photoactive Hybrid: Uncover the First Crystal Structure of Covalently Linked Hexavanadate-Porphyrin Molecule. <i>Inorganic Chemistry</i> , 2020, 59, 2575-2583.	1.9	66
8	Antihypertensive Effects, Molecular Docking Study, and Isothermal Titration Calorimetry Assay of Angiotensin I-Converting Enzyme Inhibitory Peptides from <i>Chlorella vulgaris</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 1359-1368.	2.4	64
9	Enhanced acetic acid stress tolerance and ethanol production in <i>Saccharomyces cerevisiae</i> by modulating expression of the de novo purine biosynthesis genes. <i>Biotechnology for Biofuels</i> , 2019, 12, 116.	6.2	60
10	Challenges and potential for improving the druggability of podophyllotoxin-derived drugs in cancer chemotherapy. <i>Natural Product Reports</i> , 2021, 38, 470-488.	5.2	55
11	The maintenance of an oral epithelial barrier. <i>Life Sciences</i> , 2019, 227, 129-136.	2.0	53
12	Hypoxia promotes vasculogenic mimicry formation by vascular endothelial growth factor A mediating epithelial-mesenchymal transition in salivary adenoid cystic carcinoma. <i>Cell Proliferation</i> , 2019, 52, e12600.	2.4	52
13	<i>Porphyromonas gingivalis</i> Promotes 4-Nitroquinoline-1-Oxide-Induced Oral Carcinogenesis With an Alteration of Fatty Acid Metabolism. <i>Frontiers in Microbiology</i> , 2018, 9, 2081.	1.5	49
14	Engineering <i>Escherichia coli</i> for fumaric acid production from glycerol. <i>Bioresource Technology</i> , 2014, 174, 81-87.	4.8	48
15	Combinatorial optimization of CO ₂ transport and fixation to improve succinate production by promoter engineering. <i>Biotechnology and Bioengineering</i> , 2016, 113, 1531-1541.	1.7	48
16	Metabolic engineering of <i>Corynebacterium glutamicum</i> for efficient production of succinate from lignocellulosic hydrolysate. <i>Biotechnology for Biofuels</i> , 2018, 11, 95.	6.2	45
17	Biodegradation of alkali lignin by a newly isolated <i>Rhodococcus pyridinivorans</i> CCZU-B16. <i>Bioprocess and Biosystems Engineering</i> , 2018, 41, 501-510.	1.7	44
18	Quantitative response of cell growth and Tuber polysaccharides biosynthesis by medicinal mushroom Chinese truffle <i>Tuber sinense</i> to metal ion in culture medium. <i>Bioresource Technology</i> , 2008, 99, 7606-7615.	4.8	40

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19	LncRNAs as an intermediate in HPV16 promoting myeloid-derived suppressor cell recruitment of head and neck squamous cell carcinoma. <i>Oncotarget</i> , 2017, 8, 42061-42075.	0.8	40
20	Who is who in oral cancer?. <i>Experimental Cell Research</i> , 2019, 384, 111634.	1.2	38
21	Large-scale cultivation of <i>Spirulina</i> in a floating horizontal photobioreactor without aeration or an agitation device. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 8979-8987.	1.7	37
22	The Double-Edged Sword—How Human Papillomaviruses Interact With Immunity in Head and Neck Cancer. <i>Frontiers in Immunology</i> , 2019, 10, 653.	2.2	37
23	CD133+ cancer stem-like cells promote migration and invasion of salivary adenoid cystic carcinoma by inducing vasculogenic mimicry formation. <i>Oncotarget</i> , 2016, 7, 29051-29062.	0.8	37
24	Systematic metabolic engineering of <i>Corynebacterium glutamicum</i> for the industrial-level production of optically pure <i>d</i> -acetoin. <i>Green Chemistry</i> , 2017, 19, 5691-5702.	4.6	36
25	PRRX1 Regulates Cellular Phenotype Plasticity and Dormancy of Head and Neck Squamous Cell Carcinoma Through miR-642b-3p. <i>Neoplasia</i> , 2019, 21, 216-229.	2.3	36
26	Genome Mining of the Marine Actinomycete <i>Streptomyces</i> sp. DUT11 and Discovery of Tunicamycins as Anti-complement Agents. <i>Frontiers in Microbiology</i> , 2018, 9, 1318.	1.5	31
27	EZH2 promotes invasion and tumour glycolysis by regulating STAT3 and FoxO1 signalling in human OSCC cells. <i>Journal of Cellular and Molecular Medicine</i> , 2019, 23, 6942-6954.	1.6	31
28	Inverse metabolic engineering of <i>Bacillus subtilis</i> for xylose utilization based on adaptive evolution and whole-genome sequencing. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 885-896.	1.7	29
29	Production of Acetoin through Simultaneous Utilization of Glucose, Xylose, and Arabinose by Engineered <i>Bacillus subtilis</i> . <i>PLoS ONE</i> , 2016, 11, e0159298.	1.1	29
30	<i>HSP27</i> associates with epithelial-mesenchymal transition, stemness and radioresistance of salivary adenoid cystic carcinoma. <i>Journal of Cellular and Molecular Medicine</i> , 2018, 22, 2283-2298.	1.6	29
31	Multiple Treatment Meta-Analysis of Intra-Articular Injection for Temporomandibular Osteoarthritis. <i>Journal of Oral and Maxillofacial Surgery</i> , 2020, 78, 373.e1-373.e18.	0.5	28
32	Aroma improvement by repeated freeze-thaw treatment during <i>Tuber melanosporum</i> fermentation. <i>Scientific Reports</i> , 2015, 5, 17120.	1.6	27
33	Alkaline pH shock enhanced production of validamycin A in fermentation of <i>Streptomyces hygroscopicus</i> . <i>Bioresource Technology</i> , 2018, 249, 234-240.	4.8	27
34	Microbiota, Epithelium, Inflammation, and TGF- β Signaling: An Intricate Interaction in Oncogenesis. <i>Frontiers in Microbiology</i> , 2018, 9, 1353.	1.5	26
35	Cytokeratin-14 contributes to collective invasion of salivary adenoid cystic carcinoma. <i>PLoS ONE</i> , 2017, 12, e0171341.	1.1	26
36	Current advances of succinate biosynthesis in metabolically engineered <i>Escherichia coli</i> . <i>Biotechnology Advances</i> , 2017, 35, 1040-1048.	6.0	24

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37	Comparison of sterol composition between Tuber fermentation mycelia and natural fruiting bodies. Food Chemistry, 2012, 132, 1207-1213.	4.2	23
38	Collaborative regulation of CO ₂ transport and fixation during succinate production in Escherichia coli. Scientific Reports, 2015, 5, 17321.	1.6	23
39	Improvement of ganoderic acid and <i>Ganoderma</i> polysaccharide biosynthesis by <i>Ganoderma lucidum</i> fermentation under the inducement of Cu ²⁺ . Biotechnology Progress, 2010, 26, 417-423.	1.3	22
40	Comparison of free amino acids and 5 ^{â€²} -nucleotides between Tuber fermentation mycelia and natural fruiting bodies. Food Chemistry, 2012, 132, 1413-1419.	4.2	21
41	Obesity: An emerging driver of head and neck cancer. Life Sciences, 2019, 233, 116687.	2.0	21
42	Discover 4 ^{Î²} -NH-(6-aminoindole)-4-desoxy-podophyllotoxin with nanomolar-potency antitumor activity by improving the tubulin binding affinity on the basis of a potential binding site nearby colchicine domain. European Journal of Medicinal Chemistry, 2019, 170, 73-86.	2.6	21
43	MIF promotes perineural invasion through EMT in salivary adenoid cystic carcinoma. Molecular Carcinogenesis, 2019, 58, 898-912.	1.3	20
44	WIP1 stimulates migration and invasion of salivary adenoid cystic carcinoma by inducing MMP-9 and VEGF-C. Oncotarget, 2015, 6, 9031-9044.	0.8	20
45	Current progress on truffle submerged fermentation: a promising alternative to its fruiting bodies. Applied Microbiology and Biotechnology, 2015, 99, 2041-2053.	1.7	19
46	Structural Insights into the Inhibition of Tubulin by the Antitumor Agent 4 ^{Î²} -(1,2,4-triazol-3-ylthio)-4-deoxypodophyllotoxin. ACS Chemical Biology, 2017, 12, 746-752.	1.6	19
47	Overexpression Cathepsin D Contributes to Perineural Invasion of Salivary Adenoid Cystic Carcinoma. Frontiers in Oncology, 2018, 8, 492.	1.3	19
48	Autophagy is positively associated with the accumulation of myeloid ^{â€} derived suppressor cells in 4 ^{Î²} -nitroquinoline ^{â€} 1 ^{â€} oxide ^{â€} induced oral cancer. Oncology Reports, 2018, 40, 3381-3391.	1.2	19
49	Cathepsin B defines leader cells during the collective invasion of salivary adenoid cystic carcinoma. International Journal of Oncology, 2019, 54, 1233-1244.	1.4	18
50	Lanostanoids Isolated from <i>Ganoderma lucidum</i> Mycelium Cultured by Submerged Fermentation. Helvetica Chimica Acta, 2009, 92, 1586-1593.	1.0	17
51	Fermentation condition outweighed truffle species in affecting volatile organic compounds analyzed by chromatographic fingerprint system. Analytica Chimica Acta, 2009, 647, 40-45.	2.6	17
52	Design and synthesis of the novel DNA topoisomerase II inhibitors: Esterification and amination substituted 4 ^{Î²} -demethylepipodophyllotoxin derivatives exhibiting anti-tumor activity by activating ATM/ATR signaling pathways. European Journal of Medicinal Chemistry, 2014, 80, 267-277.	2.6	17
53	Tubulin structure-based drug design for the development of novel 4 ^{Î²} -sulfur-substituted podophyllum tubulin inhibitors with anti-tumor activity. Scientific Reports, 2015, 5, 10172.	1.6	17
54	Succinate production positively correlates with the affinity of the global transcription factor Cra for its effector FBP in Escherichia coli. Biotechnology for Biofuels, 2016, 9, 264.	6.2	17

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55	Screening of the key volatile organic compounds of <i>Tuber melanosporum</i> fermentation by aroma sensory evaluation combination with principle component analysis. <i>Scientific Reports</i> , 2015, 5, 17954.	1.6	16
56	Comparison of carbon-sulfur and carbon-amine bond in therapeutic drug: 4 th -S-aromatic heterocyclic podophyllum derivatives display antitumor activity. <i>Scientific Reports</i> , 2015, 5, 14814.	1.6	16
57	Selection of microalgae strains for bicarbonate-based integrated carbon capture and algal production system to produce lipid. <i>International Journal of Green Energy</i> , 2019, 16, 825-833.	2.1	16
58	SAR analysis and biological studies of synthesized podophyllum derivatives obtained by N linkage modification at C-4 position. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 6183-6192.	1.4	15
59	Enhancing succinic acid biosynthesis in <i>Escherichia coli</i> by engineering its global transcription factor, catabolite repressor/activator (Cra). <i>Scientific Reports</i> , 2016, 6, 36526.	1.6	15
60	Chronic Inflammation-Related HPV: A Driving Force Speeds Oropharyngeal Carcinogenesis. <i>PLoS ONE</i> , 2015, 10, e0133681.	1.1	14
61	<i>Bacillus thuringiensis</i> produces the lipopeptide thumolycin to antagonize microbes and nematodes. <i>Microbiological Research</i> , 2018, 215, 22-28.	2.5	14
62	Novel Tandem Biotransformation Process for the Biosynthesis of a Novel Compound, 4-(2,3,5,6-Tetramethylpyrazine-1)-4 th -Demethylepipodophyllotoxin. <i>Applied and Environmental Microbiology</i> , 2011, 77, 3023-3034.	1.4	13
63	Concomitant cell-free biosynthesis of optically pure D-glucosamine and xylitol via a novel NAD ⁺ regeneration in two-enzyme cascade. <i>Journal of Chemical Technology and Biotechnology</i> , 2018, 93, 3444-3451.	1.6	13
64	Fluoride-containing podophyllum derivatives exhibit antitumor activities through enhancing mitochondrial apoptosis pathway by increasing the expression of caspase-9 in HeLa cells. <i>Scientific Reports</i> , 2015, 5, 17175.	1.6	12
65	A rational design strategy of the novel topoisomerase II inhibitors for the synthesis of the 4-O-(2-pyrazinecarboxylic)-4 th -demethylepipodophyllotoxin with antitumor activity by diminishing the relaxation reaction of topoisomerase II-DNA decatenation. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 2998-3007.	1.4	11
66	Regulating ehrlich and demethylation pathways for alcohols production by the expression of ubiquitin-protein ligase gene HUWE1. <i>Scientific Reports</i> , 2016, 6, 20828.	1.6	10
67	What makes cells move: Requirements and obstacles for leader cells in collective invasion. <i>Experimental Cell Research</i> , 2019, 382, 111481.	1.2	10
68	Non-coding RNAs derailed: The many influences on the fatty acid reprogramming of cancer. <i>Life Sciences</i> , 2019, 231, 116509.	2.0	10
69	Modular Engineering of the Flavin Pathway in <i>Escherichia coli</i> for Improved Flavin Mononucleotide and Flavin Adenine Dinucleotide Production. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 6532-6540.	2.4	10
70	<i>Clonostachys rosea</i> demethylase STR3 controls the conversion of methionine into methanethiol. <i>Scientific Reports</i> , 2016, 6, 21920.	1.6	8
71	Discover the leading compound of 4 th -S-(5-fluorobenzoxazole)-4-deoxy-4 th -demethylepipodophyllotoxin with millimolar-potency toxicity by modifying the molecule structure of 4 th -demethylepipodophyllotoxin. <i>European Journal of Medicinal Chemistry</i> , 2018, 158, 951-964.	2.6	8
72	Genome mining of <i>Streptomyces xinghaiensis</i> NRRL B-24674T for the discovery of the gene cluster involved in anticomplement activities and detection of novel xiamycin analogs. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 9549-9562.	1.7	8

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73	Highly efficient hemicellulose utilization for acetoin production by an engineered <i>Bacillus subtilis</i> . <i>Journal of Chemical Technology and Biotechnology</i> , 2018, 93, 3428-3435.	1.6	7
74	A novel biotransformation process of 4 ² -demethylepipodophyllotoxin to 4 ² -demethylepipodophyllic acid by <i>Bacillus fusiformis</i> CICC 20463, Part II: process optimization. <i>Bioprocess and Biosystems Engineering</i> , 2010, 33, 237-246.	1.7	6
75	Enzymatic <i>O</i> -Glycosylation of Etoposide Aglycone by Exploration of the Substrate Promiscuity for Glycosyltransferases. <i>ACS Synthetic Biology</i> , 2019, 8, 2718-2725.	1.9	6
76	Regulatory Networks Governing Methionine Catabolism into Volatile Organic Sulfur-Containing Compounds in <i>Clonostachys rosea</i> . <i>Applied and Environmental Microbiology</i> , 2018, 84, .	1.4	5
77	Novel Cerebrosides Isolated from the Fermentation Mycelia of <i>Tuber indicum</i> . <i>Helvetica Chimica Acta</i> , 2013, 96, 702-709.	1.0	4
78	Multilevel induction of apoptosis by microtubule-interfering inhibitors 4 ² -S-aromatic heterocyclic podophyllum derivatives causing multi-fold mitochondrial depolarization and PKA signaling pathways in HeLa cells. <i>Oncotarget</i> , 2016, 7, 24303-24313.	0.8	4
79	Quantitative Determination for the Major Volatile Organic Compounds of <i>Tuber melanosporum</i> Fermentation System by Distillation-Solid-Phase Extraction-Gas Chromatography. <i>Food Analytical Methods</i> , 2012, 5, 651-658.	1.3	3
80	Three putative DNA replication/repair elements encoding genes confer self-resistance to distamycin in <i>Streptomyces netropsis</i> . <i>Acta Biochimica Et Biophysica Sinica</i> , 2020, 52, 91-96.	0.9	3
81	Increasing the distance between two monomers of topoisomerase II ² under the action of antitumor agent 4 ² -sulfur-(benzimidazole) 4 ² -demethylepipodophyllotoxin. <i>Scientific Reports</i> , 2018, 8, 14949.	1.6	2