

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	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
2	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
3	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
4	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
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	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
7	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
8	Obesity: An emerging driver of head and neck cancer. <i>Life Sciences</i> , 2019, 233, 116687.	2.0	21
9	What makes cells move: Requirements and obstacles for leader cells in collective invasion. <i>Experimental Cell Research</i> , 2019, 382, 111481.	1.2	10
10	Who is who in oral cancer?. <i>Experimental Cell Research</i> , 2019, 384, 111634.	1.2	38
11	MIF promotes perineural invasion through EMT in salivary adenoid cystic carcinoma. <i>Molecular Carcinogenesis</i> , 2019, 58, 898-912.	1.3	20
12	Non-coding RNAs derailed: The many influences on the fatty acid reprogramming of cancer. <i>Life Sciences</i> , 2019, 231, 116509.	2.0	10
13	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
14	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
15	The maintenance of an oral epithelial barrier. <i>Life Sciences</i> , 2019, 227, 129-136.	2.0	53
16	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
17	Discover 4 ^H -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. <i>European Journal of Medicinal Chemistry</i> , 2019, 170, 73-86.	2.6	21
18	Cathepsin B defines leader cells during the collective invasion of salivary adenoid cystic carcinoma. <i>International Journal of Oncology</i> , 2019, 54, 1233-1244.	1.4	18

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19	Hypoxia promotes vasculogenic mimicry formation by vascular endothelial growth factor A mediating epithelialâ€mesenchymal transition in salivary adenoid cystic carcinoma. <i>Cell Proliferation</i> , 2019, 52, e12600.	2.4	52
20	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
21	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
22	HSP27 associates with epithelialâ€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
23	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
24	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
25	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
26	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
27	Overexpression Cathepsin D Contributes to Perineural Invasion of Salivary Adenoid Cystic Carcinoma. <i>Frontiers in Oncology</i> , 2018, 8, 492.	1.3	19
28	Discover the leading compound of 4 ¹² -S-(5-fluorobenzoxazole)-4-deoxy-4 ² -demethylepipodophyllotoxin with millimolar-potency toxicity by modifying the molecule structure of 4 ² -demethylepipodophyllotoxin. <i>European Journal of Medicinal Chemistry</i> , 2018, 158, 951-964.	2.6	8
29	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
30	Autophagy is positively associated with the accumulation of myeloidâ€derived suppressor cells in 4-nitroquinoline-1-oxide-induced oral cancer. <i>Oncology Reports</i> , 2018, 40, 3381-3391.	1.2	19
31	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
32	<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
33	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
34	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
35	Concomitant cell-free biosynthesis of optically pure <i>D</i> -acetoin and xylitol via a novel <i>NAD</i> ⁺ regeneration in two-enzyme cascade. <i>Journal of Chemical Technology and Biotechnology</i> , 2018, 93, 3444-3451.	1.6	13
36	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

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37	Construction, Model-Based Analysis, and Characterization of a Promoter Library for Fine-Tuned Gene Expression in <i>Bacillus subtilis</i> . ACS Synthetic Biology, 2018, 7, 1785-1797.	1.9	67
38	Large-scale cultivation of <i>Spirulina</i> in a floating horizontal photobioreactor without aeration or an agitation device. Applied Microbiology and Biotechnology, 2018, 102, 8979-8987.	1.7	37
39	Genome Mining of the Marine Actinomycete <i>Streptomyces</i> sp. DUT11 and Discovery of Tunicamycins as Anti-complement Agents. Frontiers in Microbiology, 2018, 9, 1318.	1.5	31
40	Microbiota, Epithelium, Inflammation, and TGF- β 2 Signaling: An Intricate Interaction in Oncogenesis. Frontiers in Microbiology, 2018, 9, 1353.	1.5	26
41	<i>Bacillus thuringiensis</i> produces the lipopeptide thumolycin to antagonize microbes and nematodes. Microbiological Research, 2018, 215, 22-28.	2.5	14
42	Structural Insights into the Inhibition of Tubulin by the Antitumor Agent 4 β -(1,2,4-triazol-3-ylthio)-4-deoxypodophyllotoxin. ACS Chemical Biology, 2017, 12, 746-752.	1.6	19
43	Systematic metabolic engineering of <i>Corynebacterium glutamicum</i> for the industrial-level production of optically pure <i>d</i> -lysine. Green Chemistry, 2017, 19, 5691-5702.	4.6	36
44	Current advances of succinate biosynthesis in metabolically engineered <i>Escherichia coli</i> . Biotechnology Advances, 2017, 35, 1040-1048.	6.0	24
45	Cytokeratin-14 contributes to collective invasion of salivary adenoid cystic carcinoma. PLoS ONE, 2017, 12, e0171341.	1.1	26
46	LncRNAs as an intermediate in HPV16 promoting myeloid-derived suppressor cell recruitment of head and neck squamous cell carcinoma. Oncotarget, 2017, 8, 42061-42075.	0.8	40
47	Production of Acetoin through Simultaneous Utilization of Glucose, Xylose, and Arabinose by Engineered <i>Bacillus subtilis</i> . PLoS ONE, 2016, 11, e0159298.	1.1	29
48	Regulating ehrlich and demethylation pathways for alcohols production by the expression of ubiquitin-protein ligase gene HUWE1. Scientific Reports, 2016, 6, 20828.	1.6	10
49	<i>Clonostachys rosea</i> demethylase STR3 controls the conversion of methionine into methanethiol. Scientific Reports, 2016, 6, 21920.	1.6	8
50	Succinate production positively correlates with the affinity of the global transcription factor Cra for its effector FBP in <i>Escherichia coli</i> . Biotechnology for Biofuels, 2016, 9, 264.	6.2	17
51	Enhancing succinic acid biosynthesis in <i>Escherichia coli</i> by engineering its global transcription factor, catabolite repressor/activator (Cra). Scientific Reports, 2016, 6, 36526.	1.6	15
52	Combinatorial optimization of CO ₂ transport and fixation to improve succinate production by promoter engineering. Biotechnology and Bioengineering, 2016, 113, 1531-1541.	1.7	48
53	Multilevel induction of apoptosis by microtubule-interfering inhibitors 4 β -S-aromatic heterocyclic podophyllum derivatives causing multi-fold mitochondrial depolarization and PKA signaling pathways in HeLa cells. Oncotarget, 2016, 7, 24303-24313.	0.8	4
54	CD133+ cancer stem-like cells promote migration and invasion of salivary adenoid cystic carcinoma by inducing vasculogenic mimicry formation. Oncotarget, 2016, 7, 29051-29062.	0.8	37

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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	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
58	Aroma improvement by repeated freeze-thaw treatment during <i>Tuber melanosporum</i> fermentation. <i>Scientific Reports</i> , 2015, 5, 17120.	1.6	27
59	Collaborative regulation of CO ₂ transport and fixation during succinate production in <i>Escherichia coli</i> . <i>Scientific Reports</i> , 2015, 5, 17321.	1.6	23
60	Chronic Inflammation-Related HPV: A Driving Force Speeds Oropharyngeal Carcinogenesis. <i>PLoS ONE</i> , 2015, 10, e0133681.	1.1	14
61	Current progress on truffle submerged fermentation: a promising alternative to its fruiting bodies. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 2041-2053.	1.7	19
62	Metabolic engineering of <i>Escherichia coli</i> using CRISPR-Cas9 mediated genome editing. <i>Metabolic Engineering</i> , 2015, 31, 13-21.	3.6	351
63	Tubulin structure-based drug design for the development of novel 4 th -sulfur-substituted podophyllum tubulin inhibitors with anti-tumor activity. <i>Scientific Reports</i> , 2015, 5, 10172.	1.6	17
64	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
65	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
66	WIP1 stimulates migration and invasion of salivary adenoid cystic carcinoma by inducing MMP-9 and VEGF-C. <i>Oncotarget</i> , 2015, 6, 9031-9044.	0.8	20
67	Design and synthesis of the novel DNA topoisomerase II inhibitors: Esterification and amination substituted 4 th -demethylepipodophyllotoxin derivatives exhibiting anti-tumor activity by activating ATM/ATR signaling pathways. <i>European Journal of Medicinal Chemistry</i> , 2014, 80, 267-277.	2.6	17
68	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
69	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
70	Engineering <i>Escherichia coli</i> for fumaric acid production from glycerol. <i>Bioresource Technology</i> , 2014, 174, 81-87.	4.8	48
71	Novel Cerebrosides Isolated from the Fermentation Mycelia of <i>Tuber indicum</i> . <i>Helvetica Chimica Acta</i> , 2013, 96, 702-709.	1.0	4
72	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

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73	Comparison of sterol composition between Tuber fermentation mycelia and natural fruiting bodies. Food Chemistry, 2012, 132, 1207-1213.	4.2	23
74	Comparison of free amino acids and 5â€²-nucleotides between Tuber fermentation mycelia and natural fruiting bodies. Food Chemistry, 2012, 132, 1413-1419.	4.2	21
75	Novel Tandem Biotransformation Process for the Biosynthesis of a Novel Compound, 4-(2,3,5,6-Tetramethylpyrazine-1)-4â€²-Demethylepipodophyllotoxin. Applied and Environmental Microbiology, 2011, 77, 3023-3034.	1.4	13
76	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
77	A novel biotransformation process of 4â€²-demethylepipodophyllotoxin to 4â€²-demethylepipodophyllic acid by <i>Bacillus fusiformis</i> CICC 20463, Part II: process optimization. Bioprocess and Biosystems Engineering, 2010, 33, 237-246.	1.7	6
78	Lanostanoids Isolated from <i>Ganoderma lucidum</i> Mycelium Cultured by Submerged Fermentation. Helvetica Chimica Acta, 2009, 92, 1586-1593.	1.0	17
79	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> . Bioresource Technology, 2009, 100, 1852-1859.	4.8	96
80	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
81	Quantitative response of cell growth and Tuber polysaccharides biosynthesis by medicinal mushroom Chinese truffle <i>Tuber sinense</i> to metal ion in culture medium. Bioresource Technology, 2008, 99, 7606-7615.	4.8	40