

Jun Sheng

List of Publications by Year in descending order

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89
papers

2,440
citations

218677

26
h-index

243625

44
g-index

92
all docs

92
docs citations

92
times ranked

3184
citing authors

#	ARTICLE	IF	CITATIONS
1	The Genome of <i>Dendrobium officinale</i> Illuminates the Biology of the Important Traditional Chinese Orchid Herb. <i>Molecular Plant</i> , 2015, 8, 922-934.	8.3	228
2	Icaritin Causes Sustained ERK1/2 Activation and Induces Apoptosis in Human Endometrial Cancer Cells. <i>PLoS ONE</i> , 2011, 6, e16781.	2.5	125
3	EGCG Reduces Obesity and White Adipose Tissue Gain Partly Through AMPK Activation in Mice. <i>Frontiers in Pharmacology</i> , 2018, 9, 1366.	3.5	113
4	Structural characterization and immunomodulating activity of polysaccharide from <i>Dendrobium officinale</i> . <i>International Journal of Biological Macromolecules</i> , 2016, 83, 34-41.	7.5	110
5	Reviewing the world's edible mushroom species: A new evidence-based classification system. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2021, 20, 1982-2014.	11.7	89
6	Polyphenol- and Caffeine-Rich Postfermented Pu-erh Tea Improves Diet-Induced Metabolic Syndrome by Remodeling Intestinal Homeostasis in Mice. <i>Infection and Immunity</i> , 2018, 86, .	2.2	82
7	Hybrid de novo genome assembly of the Chinese herbal plant danshen (<i>Salvia miltiorrhiza</i> Bunge). <i>GigaScience</i> , 2015, 4, 62.	6.4	73
8	The Genome Sequences of 90 Mushrooms. <i>Scientific Reports</i> , 2018, 8, 9982.	3.3	73
9	Genomic and transcriptomic analysis unveils population evolution and development of pesticide resistance in fall armyworm <i>Spodoptera frugiperda</i> . <i>Protein and Cell</i> , 2022, 13, 513-531.	11.0	72
10	Genome of Plant Maca (<i>Lepidium meyenii</i>) Illuminates Genomic Basis for High-Altitude Adaptation in the Central Andes. <i>Molecular Plant</i> , 2016, 9, 1066-1077.	8.3	69
11	Wound healing can be improved by (â€”)â€”epigallocatechin gallate through targeting Notch in streptozotocinâ€”induced diabetic mice. <i>FASEB Journal</i> , 2019, 33, 953-964.	0.5	64
12	Correlations between Î±-Linolenic Acid-Improved Multitissue Homeostasis and Gut Microbiota in Mice Fed a High-Fat Diet. <i>MSystems</i> , 2020, 5, .	3.8	62
13	Pu-erh tea extract ameliorates high-fat diet-induced nonalcoholic steatohepatitis and insulin resistance by modulating hepatic IL-6/STAT3 signaling in mice. <i>Journal of Gastroenterology</i> , 2016, 51, 819-829.	5.1	50
14	Structural elucidation and antioxidant activity of an arabinogalactan from the leaves of <i>Moringa oleifera</i> . <i>International Journal of Biological Macromolecules</i> , 2018, 112, 126-133.	7.5	47
15	Soluble NKG2D ligand promotes MDSC expansion and skews macrophage to the alternatively activated phenotype. <i>Journal of Hematology and Oncology</i> , 2015, 8, 13.	17.0	44
16	<i>Moringa oleifera</i> Leaf Petroleum Ether Extract Inhibits Lipogenesis by Activating the AMPK Signaling Pathway. <i>Frontiers in Pharmacology</i> , 2018, 9, 1447.	3.5	44
17	Anti-skin-aging effect of epigallocatechin gallate by regulating epidermal growth factor receptor pathway on aging mouse model induced by d -Galactose. <i>Mechanisms of Ageing and Development</i> , 2017, 164, 1-7.	4.6	41
18	Shortâ€”Chain Fatty Acids Produced by Ruminococcaceae Mediate Î±-Linolenic Acid Promote Intestinal Stem Cells Proliferation. <i>Molecular Nutrition and Food Research</i> , 2022, 66, e2100408.	3.3	41

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19	Synthesis and Biological Testing of Novel Glucosylated Epigallocatechin Gallate (EGCG) Derivatives. <i>Molecules</i> , 2016, 21, 620.	3.8	37
20	Pu-erh Tea Extract Ameliorates Ovariectomy-Induced Osteoporosis in Rats and Suppresses Osteoclastogenesis In Vitro. <i>Frontiers in Pharmacology</i> , 2017, 8, 324.	3.5	35
21	Effect of caffeine on ovariectomy-induced osteoporosis in rats. <i>Biomedicine and Pharmacotherapy</i> , 2019, 112, 108650.	5.6	35
22	Caffeine-stimulated muscle IL-6 mediates alleviation of non-alcoholic fatty liver disease. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2019, 1864, 271-280.	2.4	34
23	Caffeine Targets SIRT3 to Enhance SOD2 Activity in Mitochondria. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 822.	3.7	34
24	1,4- β -D-Glucomanan from <i>Dendrobium officinale</i> Activates NF- κ B via TLR4 to Regulate the Immune Response. <i>Molecules</i> , 2018, 23, 2658.	3.8	32
25	Oxidized tea polyphenols prevent lipid accumulation in liver and visceral white adipose tissue in rats. <i>European Journal of Nutrition</i> , 2017, 56, 2037-2048.	3.9	31
26	($\hat{\alpha}$)-Epigallocatechin Gallate Targets Notch to Attenuate the Inflammatory Response in the Immediate Early Stage in Human Macrophages. <i>Frontiers in Immunology</i> , 2017, 8, 433.	4.8	30
27	Synthesis, antioxidant activity, and density functional theory study of catechin derivatives. <i>RSC Advances</i> , 2017, 7, 54136-54141.	3.6	29
28	Pu-erh Tea Water Extract Mediates Cell Cycle Arrest and Apoptosis in MDA-MB-231 Human Breast Cancer Cells. <i>Frontiers in Pharmacology</i> , 2017, 8, 190.	3.5	29
29	Tea polysaccharide inhibits RANKL-induced osteoclastogenesis in RAW264.7 cells and ameliorates ovariectomy-induced osteoporosis in rats. <i>Biomedicine and Pharmacotherapy</i> , 2018, 102, 539-548.	5.6	28
30	Pu-erh tea extract-mediated protection against hepatosteatosis and insulin resistance in mice with diet-induced obesity is associated with the induction of de novo lipogenesis in visceral adipose tissue. <i>Journal of Gastroenterology</i> , 2017, 52, 1240-1251.	5.1	27
31	Theabrownin suppresses in vitro osteoclastogenesis and prevents bone loss in ovariectomized rats. <i>Biomedicine and Pharmacotherapy</i> , 2018, 106, 1339-1347.	5.6	25
32	Metabolic adaptation to the aqueous leaf extract of <i>Moringa oleifera</i> Lam.-supplemented diet is related to the modulation of gut microbiota in mice. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 5115-5130.	3.6	24
33	Ellagic Acid Exerts Beneficial Effects on Hyperuricemia by Inhibiting Xanthine Oxidase and NLRP3 Inflammasome Activation. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 12741-12752.	5.2	24
34	<i>Dendrobium officinale</i> Orchid Extract Prevents Ovariectomy-Induced Osteoporosis in Vivo and Inhibits RANKL-Induced Osteoclast Differentiation in Vitro. <i>Frontiers in Pharmacology</i> , 2017, 8, 966.	3.5	23
35	Aflatoxin B1 can be complexed with oxidised tea polyphenols and the absorption of the complexed aflatoxin B1 is inhibited in rats. <i>Journal of the Science of Food and Agriculture</i> , 2017, 97, 1910-1915.	3.5	22
36	Oxidation derivative of (-)-epigallocatechin-3-gallate (EGCG) inhibits RANKL-induced osteoclastogenesis by suppressing RANK signaling pathways in RAW 264.7 cells. <i>Biomedicine and Pharmacotherapy</i> , 2019, 118, 109237.	5.6	22

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37	(âˆ“)Epigallocatechin-3-gallate derivatives combined with cisplatin exhibit synergistic inhibitory effects on non-small-cell lung cancer cells. <i>Cancer Cell International</i> , 2019, 19, 266.	4.1	21
38	Astragalolignans Inhibits the Proliferation and Migration of Human Colon Cancer HCT116 Cells by Regulating the NF-Î²B Signaling Pathway. <i>Frontiers in Pharmacology</i> , 2021, 12, 639256.	3.5	21
39	Pu-Erh Tea Extract Induces the Degradation of FET Family Proteins Involved in the Pathogenesis of Amyotrophic Lateral Sclerosis. <i>BioMed Research International</i> , 2014, 2014, 1-12.	1.9	18
40	Subcellular Localization of Galloylated Catechins in Tea Plants [<i>Camellia sinensis</i> (L.) O. Kuntze] Assessed via Immunohistochemistry. <i>Frontiers in Plant Science</i> , 2016, 7, 728.	3.6	18
41	Green tea (<i>Camellia sinensis</i>) aqueous extract alleviates postmenopausal osteoporosis in ovariectomized rats and prevents RANKL-induced osteoclastogenesis in vitro. <i>Food and Nutrition Research</i> , 2018, 62, .	2.6	18
42	Caffeine Promotes Conversion of Palmitic Acid to Palmitoleic Acid by Inducing Expression of fat-5 in <i>Caenorhabditis elegans</i> and <i>scd1</i> in Mice. <i>Frontiers in Pharmacology</i> , 2018, 9, 321.	3.5	17
43	Polyphenol Extract of <i>Moringa oleifera</i> Leaves Alleviates Colonic Inflammation in Dextran Sulfate Sodium-Treated Mice. <i>Evidence-based Complementary and Alternative Medicine</i> , 2020, 2020, 1-9.	1.2	17
44	Characterization of the structure, stability, and activity of hypoglycemic peptides from <i>Moringa oleifera</i> seed protein hydrolysates. <i>Food and Function</i> , 2022, 13, 3481-3494.	4.6	17
45	Mechanism of action of (â€“)epigallocatechin-3-gallate: auto-oxidation-dependent activation of extracellular signal-regulated kinase 1/2 in Jurkat cells. <i>Chinese Journal of Natural Medicines</i> , 2014, 12, 654-662.	1.3	16
46	Ellagic acid blocks RANKLâ€“RANK interaction and suppresses RANKL-induced osteoclastogenesis by inhibiting RANK signaling pathways. <i>Chemico-Biological Interactions</i> , 2020, 331, 109235.	4.0	16
47	Isoorientin exerts a urate-lowering effect through inhibition of xanthine oxidase and regulation of the TLR4-NLRP3 inflammasome signaling pathway. <i>Journal of Natural Medicines</i> , 2021, 75, 129-141.	2.3	16
48	Optimisation of saponin extraction conditions with <i>Camellia sinensis</i> var. <i>assamica</i> seed and its application for a natural detergent. <i>Journal of the Science of Food and Agriculture</i> , 2018, 98, 2312-2319.	3.5	15
49	(-)-Epigallocatechin-3-gallate inhibits osteoclastogenesis by blocking RANKLâ€“RANK interaction and suppressing NF-Î²B and MAPK signaling pathways. <i>International Immunopharmacology</i> , 2021, 95, 107464.	3.8	15
50	<i>Moringa oleifera</i> Alkaloids Inhibited PC3 Cells Growth and Migration Through the COX-2 Mediated Wnt/Î²-Catenin Signaling Pathway. <i>Frontiers in Pharmacology</i> , 2020, 11, 523962.	3.5	13
51	Climate-Fungal Pathogen Modeling Predicts Loss of Up to One-Third of Tea Growing Areas. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 610567.	3.9	13
52	<i>Paenibacillus puerhi</i> sp. nov., isolated from the rhizosphere soil of Pu-erh tea plants (<i>Camellia sinensis</i>) Tj ETQq0 0 0 rgBT /Overlock 10 T	2.2	13
53	Isothiocyanate From <i>Moringa oleifera</i> Seeds Inhibits the Growth and Migration of Renal Cancer Cells by Regulating the PTP1B-dependent Src/Ras/Raf/ERK Signaling Pathway. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 790618.	3.7	13
54	Solid-state fermentation of <i>Moringa oleifera</i> leaf meal using <i>Bacillus pumilus</i> CICC 10440. <i>Journal of Chemical Technology and Biotechnology</i> , 2017, 92, 2083-2089.	3.2	11

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55	Demethyleberberine promotes apoptosis and suppresses $TGF\beta^2$ /Smads induced EMT in the colon cancer cells $HCT116$. <i>Cell Biochemistry and Function</i> , 2021, 39, 763-770.	2.9	11
56	Effect of Black Tea Extract and Thearubigins on Osteoporosis in Rats and Osteoclast Formation in vitro. <i>Frontiers in Physiology</i> , 2018, 9, 1225.	2.8	10
57	Low Concentrations of Caffeine and Its Analogs Extend the Lifespan of <i>Caenorhabditis elegans</i> by Modulating IGF-1-Like Pathway. <i>Frontiers in Aging Neuroscience</i> , 2018, 10, 211.	3.4	10
58	Inhibition of the notch signaling pathway overcomes resistance of cervical cancer cells to paclitaxel through retardation of the epithelial-mesenchymal transition process. <i>Environmental Toxicology</i> , 2021, 36, 1758-1764.	4.0	10
59	Chromosomal-scale genome assembly of <i>Eleutherococcus senticosus</i> provides insights into chromosome evolution in Araliaceae. <i>Molecular Ecology Resources</i> , 2021, 21, 2204-2220.	4.8	10
60	Combined treatment with <i>Dendrobium candidum</i> and black tea extract promotes osteoprotective activity in ovariectomized estrogen deficient rats and osteoclast formation. <i>Life Sciences</i> , 2018, 200, 31-41.	4.3	9
61	<i>Massilia puerhi</i> sp. nov., isolated from soil of Pu-erh tea cellar. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2021, 71, .	1.7	9
62	Structure-antioxidant activity relationships of dendrocandins analogues determined using density functional theory. <i>Structural Chemistry</i> , 2022, 33, 795-805.	2.0	9
63	Caffeine inhibits the anticancer activity of paclitaxel via down-regulation of α -tubulin acetylation. <i>Biomedicine and Pharmacotherapy</i> , 2020, 129, 110441.	5.6	8
64	Roburic Acid Targets TNF to Inhibit the $NF-\kappa B$ Signaling Pathway and Suppress Human Colorectal Cancer Cell Growth. <i>Frontiers in Immunology</i> , 2022, 13, 853165.	4.8	8
65	Crude Polysaccharide Extracted From <i>Moringa oleifera</i> Leaves Prevents Obesity in Association With Modulating Gut Microbiota in High-Fat Diet-Fed Mice. <i>Frontiers in Nutrition</i> , 2022, 9, 861588.	3.7	8
66	VitisGDB: The Multifunctional Database for Grapevine Breeding and Genetics. <i>Molecular Plant</i> , 2020, 13, 1098-1100.	8.3	7
67	The oxidation of $(-)$ -epigallocatechin-3-gallate inhibits T-cell acute lymphoblastic leukemia cell line HPB-ALL via the regulation of Notch1 expression. <i>RSC Advances</i> , 2020, 10, 1679-1684.	3.6	7
68	<i>Puerhibacterium puerhi</i> gen. nov., sp. nov., a novel member of the family Promicromonosporaceae, isolated from Pu-erh tea pile-fermentation. <i>Archives of Microbiology</i> , 2021, 203, 1509-1518.	2.2	7
69	Alkaloid Extract of <i>Moringa oleifera</i> Lam. Exerts Antitumor Activity in Human Non-Small-Cell Lung Cancer via Modulation of the JAK2/STAT3 Signaling Pathway. <i>Evidence-based Complementary and Alternative Medicine</i> , 2021, 2021, 1-12.	1.2	7
70	Nilotinib inhibits osteoclastogenesis by blocking RANKL-RANK interaction and suppressing the AKT, MAPK, and $NF-\kappa B$ signaling pathways. <i>Biomedicine and Pharmacotherapy</i> , 2022, 149, 112902.	5.6	7
71	Novel Perbutyrylated Glucose Derivatives of $(-)$ -Epigallocatechin-3-Gallate Inhibit Cancer Cells Proliferation by Decreasing Phosphorylation of the EGFR: Synthesis, Cytotoxicity, and Molecular Docking. <i>Molecules</i> , 2021, 26, 4361.	3.8	6
72	<i>Moringa oleifera</i> Lam. Peptide Remodels Intestinal Mucosal Barrier by Inhibiting JAK-STAT Activation and Modulating Gut Microbiota in Colitis. <i>Frontiers in Immunology</i> , 0, 13, .	4.8	6

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73	Interactions between β -cyclodextrin and tea catechins, and potential anti-osteoclastogenesis activity of the β -epigallocatechin-3-gallate- β -cyclodextrin complex. RSC Advances, 2019, 9, 28006-28018.	3.6	5
74	Caffeine Targets G6PDH to Disrupt Redox Homeostasis and Inhibit Renal Cell Carcinoma Proliferation. Frontiers in Cell and Developmental Biology, 2020, 8, 556162.	3.7	5
75	Combination effects of ellagic acid with erlotinib in a Ba/ F3 cell line expressing EGFR H773_V774 insH mutation. Thoracic Cancer, 2020, 11, 2101-2111.	1.9	5
76	Wighteone exhibits an antitumor effect against EGFR L858R/T790M mutation non-small cell lung cancer. Journal of Cancer, 2021, 12, 3900-3908.	2.5	5
77	Discovery of EGFR-Targeted Environment-Sensitive fluorescent probes for cell imaging and efficient tumor detection. Bioorganic Chemistry, 2022, 121, 105585.	4.1	5
78	FAEE exerts a protective effect against osteoporosis by regulating the MAPK signalling pathway. Pharmaceutical Biology, 2022, 60, 467-478.	2.9	5
79	Genome Assembly and Analyses of the Macrofungus Macrocybe gigantea. BioMed Research International, 2021, 2021, 1-14.	1.9	4
80	Proliferation of MDA-MB-231 can be suppressed by dimeric-epigallocatechin gallate through competitive inhibition of amphiregulin-epidermal growth factor receptor signaling. Anti-Cancer Drugs, 2021, 32, 647-656.	1.4	4
81	Antifatigue Effect of Panax Notoginseng Leaves Fermented With Microorganisms: In-vitro and In-vivo Evaluation. Frontiers in Nutrition, 2022, 9, 824525.	3.7	4
82	Oxidative Tea Polyphenols Greatly Inhibit the Absorption of Atenolol. Frontiers in Pharmacology, 2016, 7, 192.	3.5	3
83	Synthesis, antitumor activity, and molecular docking of β -epigallocatechin-3-gallate-4 β -triazolopodophyllotoxin conjugates. Journal of Asian Natural Products Research, 2020, 23, 1-9.	1.4	3
84	Secretory expression of negative regulatory region of human Notch1 in <i>Escherichia coli</i> and preparation of a functional polyclonal antibody. Biotechnology and Applied Biochemistry, 2018, 65, 554-559.	3.1	2
85	Syntheses and anticancer activities of novel glucosylated β -epigallocatechin-3-gallate derivatives linked via triazole rings. Medicinal Chemistry Research, 2021, 30, 1240-1248.	2.4	2
86	Black tea and extracts play estrogenic activity via estrogen receptor β -dependent signaling pathway. American Journal of Translational Research (discontinued), 2018, 10, 114-125.	0.0	2
87	Synthesis and in vitro biological evaluation of novel dendrocandin analogue as potential anti-tumor agent. Natural Product Research, 2021, , 1-6.	1.8	1
88	The complete mitochondrial genome of the tartar Sand Boa Eryx tataricus. Mitochondrial DNA Part B: Resources, 2019, 4, 1994-1995.	0.4	0
89	Anticancer effects of dendrocandin (DDCD) against AKT in HepG2 cells using molecular modeling, DFT, and in vitro study. Structural Chemistry, 0, , 1.	2.0	0