

Kao-shan Chen

List of Publications by Year in descending order

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54
papers

1,279
citations

331670

21
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395702

33
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all docs

54
docs citations

54
times ranked

1459
citing authors

#	ARTICLE	IF	CITATIONS
1	The flavonoid 3â€²-O-hydroxylase gene from the Antarctic moss <i>Pohlia nutans</i> is involved in regulating oxidative and salt stress tolerance. <i>Biotechnology and Applied Biochemistry</i> , 2022, 69, 676-686.	3.1	6
2	Effects of mixed culture fermentation of <i>Bacillus amyloliquefaciens</i> and <i>Trichoderma longibrachiatum</i> on its constituent strains and the biocontrol of tomato <i>Fusarium</i> wilt. <i>Journal of Applied Microbiology</i> , 2022, 132, 532-546.	3.1	10
3	Separation, Purification, Structural Characterization, and Anticancer Activity of a Novel Exopolysaccharide from <i>Mucor</i> sp.. <i>Molecules</i> , 2022, 27, 2071.	3.8	5
4	Structural and Biophysical Investigation of the Key Hotspots on the Surface of Epstein-Barr Nuclear Antigen 1 Essential for DNA Recognition and Pathogenesis. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 664436.	3.5	0
5	Enhanced antitumor activity of inulin-capped Se nanoparticles synthesized using Jerusalem artichoke tubers. <i>Glycoconjugate Journal</i> , 2021, 38, 599-607.	2.7	3
6	Preparation and characterization of sulfated inulin-type fructans from Jerusalem artichoke tubers and their antitumor activity. <i>Carbohydrate Research</i> , 2021, 509, 108422.	2.3	13
7	Burdock Fructooligosaccharide Attenuates High Glucose-Induced Apoptosis and Oxidative Stress Injury in Renal Tubular Epithelial Cells. <i>Frontiers in Pharmacology</i> , 2021, 12, 784187.	3.5	8
8	Pre-harvest treatment of kiwifruit trees with mixed culture fermentation broth of <i>Trichoderma pseudokoningii</i> and <i>Rhizopus nigricans</i> prolonged the shelf life and improved the quality of fruit. <i>Postharvest Biology and Technology</i> , 2020, 162, 111099.	6.0	15
9	Signaling pathways associated with macrophage-activating polysaccharide isolated from the fermentation liquor of <i>Rhizopus nigricans</i> . <i>Bioorganic and Medicinal Chemistry Letters</i> , 2020, 30, 127297.	2.2	6
10	The moss flavone synthase I positively regulates the tolerance of plants to drought stress and UV-B radiation. <i>Plant Science</i> , 2020, 298, 110591.	3.6	35
11	Exopolysaccharides isolated from <i>Rhizopus nigricans</i> induced colon cancer cell apoptosis <i>in vitro</i> and <i>in vivo</i> via activating the AMPK pathway. <i>Bioscience Reports</i> , 2020, 40, .	2.4	8
12	Carbon Nanoparticles Inhibit Î±-Glucosidase Activity and Induce a Hypoglycemic Effect in Diabetic Mice. <i>Molecules</i> , 2019, 24, 3257.	3.8	15
13	Mixed culture fermentation between <i>Rhizopus nigricans</i> and <i>Trichoderma pseudokoningii</i> to control cucumber <i>Fusarium</i> wilt. <i>Crop Protection</i> , 2019, 124, 104857.	2.1	19
14	The anti-gastritis activity of an exopolysaccharide from <i>Rhizopus nigricans</i> . <i>Food Bioscience</i> , 2019, 29, 135-141.	4.4	1
15	Immunomodulatory activity of a fructooligosaccharide isolated from burdock roots. <i>RSC Advances</i> , 2019, 9, 11092-11100.	3.6	12
16	Structure and Anti-Tumor Activities of Exopolysaccharides from <i>Alternaria mali</i> Roberts. <i>Molecules</i> , 2019, 24, 1345.	3.8	10
17	The inhibitory effect of polysaccharide from <i>Rhizopus nigricans</i> on colitis-associated colorectal cancer. <i>Biomedicine and Pharmacotherapy</i> , 2019, 112, 108593.	5.6	27
18	Metabonomic Variation of Exopolysaccharide from <i>Rhizopus nigricans</i> on AOM/DSS-Induced Colorectal Cancer in Mice. <i>OncoTargets and Therapy</i> , 2019, Volume 12, 10023-10033.	2.0	15

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19	Polysaccharide produced by <i>Bacillus subtilis</i> using burdock oligofructose as carbon source. <i>Carbohydrate Polymers</i> , 2019, 206, 811-819.	10.2	20
20	Transcriptional profiling and physiological analysis reveal the critical roles of ROS-scavenging system in the Antarctic moss <i>Pohlia nutans</i> under Ultraviolet-B radiation. <i>Plant Physiology and Biochemistry</i> , 2019, 134, 113-122.	5.8	32
21	A combination of selenium and polysaccharides: Promising therapeutic potential. <i>Carbohydrate Polymers</i> , 2019, 206, 163-173.	10.2	112
22	Structural characteristics and anticancer/antioxidant activities of a novel polysaccharide from <i>Trichoderma kanganensis</i> . <i>Carbohydrate Polymers</i> , 2019, 205, 63-71.	10.2	52
23	Polysaccharide from <i>Rhizopus nigricans</i> inhibits the invasion and metastasis of colorectal cancer. <i>Biomedicine and Pharmacotherapy</i> , 2018, 103, 738-745.	5.6	11
24	Beneficial effects of extracellular polysaccharide from <i>Rhizopus nigricans</i> on the intestinal immunity of colorectal cancer mice. <i>International Journal of Biological Macromolecules</i> , 2018, 115, 718-726.	7.5	48
25	Synthesis of Acetylation burdock fructooligosaccharide (BFO). <i>IOP Conference Series: Earth and Environmental Science</i> , 2018, 108, 042085.	0.3	1
26	<i>Rhizopus nigricans</i> polysaccharide activated macrophages and suppressed tumor growth in CT26 tumor-bearing mice. <i>Carbohydrate Polymers</i> , 2018, 198, 302-312.	10.2	18
27	The L-type lectin receptor-like kinase (PnLecRLK1) from the Antarctic moss <i>Pohlia nutans</i> enhances chilling-stress tolerance and abscisic acid sensitivity in <i>Arabidopsis</i> . <i>Plant Growth Regulation</i> , 2017, 81, 409-418.	3.4	17
28	Synthesis of Sulfonated burdock fructooligosaccharide (BFO). <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 274, 012112.	0.6	0
29	Anti-tumor and immunomodulatory activities of an exopolysaccharide from <i>Rhizopus nigricans</i> on CT26 tumor-bearing mice. <i>International Immunopharmacology</i> , 2016, 36, 218-224.	3.8	29
30	Exopolysaccharide from <i>Trichoderma pseudokoningii</i> induces macrophage activation. <i>Carbohydrate Polymers</i> , 2016, 149, 112-120.	10.2	50
31	Immune-enhancing activity of extracellular polysaccharides isolated from <i>Rhizopus nigricans</i> . <i>Carbohydrate Polymers</i> , 2016, 148, 318-325.	10.2	43
32	Fructooligosaccharides: Effects, Mechanisms, and Applications. , 2016, , 51-63.		4
33	Exopolysaccharide from <i>Trichoderma pseudokoningii</i> promotes maturation of murine dendritic cells. <i>International Journal of Biological Macromolecules</i> , 2016, 92, 1155-1161.	7.5	8
34	Purification, partial characterization and antitumor effect of an exopolysaccharide from <i>Rhizopus nigricans</i> . <i>International Journal of Biological Macromolecules</i> , 2016, 82, 299-307.	7.5	37
35	Anti-tumor activity of exopolysaccharide from <i>Rhizopus nigricans</i> Ehrenb on S180 tumor-bearing mice. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 2098-2104.	2.2	17
36	Exopolysaccharide from <i>Trichoderma pseudokoningii</i> induces the apoptosis of MCF-7 cells through an intrinsic mitochondrial pathway. <i>Carbohydrate Polymers</i> , 2016, 136, 1065-1073.	10.2	32

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37	Exopolysaccharide of Antarctic bacterium <i>Pseudoaltermonas</i> sp. S-5 induces apoptosis in K562 cells. <i>Carbohydrate Polymers</i> , 2015, 121, 107-114.	10.2	28
38	A Novel Receptor-like Kinase (PnRLK-1) from the Antarctic Moss <i>Pohlia nutans</i> Enhances Salt and Oxidative Stress Tolerance. <i>Plant Molecular Biology Reporter</i> , 2015, 33, 1156-1170.	1.8	17
39	Activation of RAW 264.7 cells by a polysaccharide isolated from Antarctic bacterium <i>Pseudoaltermonas</i> sp. S-5. <i>Carbohydrate Polymers</i> , 2015, 130, 97-103.	10.2	40
40	Postharvest treatment with trans-2-hexenal induced resistance against <i>Botrytis cinerea</i> in tomato fruit. <i>Australasian Plant Pathology</i> , 2015, 44, 121-128.	1.0	22
41	Characterization and expression analysis of a mitochondrial heat-shock protein 70 gene from the Antarctic moss <i>Pohlia nutans</i> . <i>Polar Biology</i> , 2014, 37, 1145-1155.	1.2	16
42	Characterization and Expression Analysis of a Glutathione Reductase Gene from Antarctic Moss <i>Pohlia nutans</i> . <i>Plant Molecular Biology Reporter</i> , 2013, 31, 1068-1076.	1.8	13
43	Polysaccharides from <i>Rhizopus nigricans</i> mycelia induced apoptosis and G2/M arrest in BGC-823 cells. <i>Carbohydrate Polymers</i> , 2013, 97, 800-808.	10.2	48
44	Burdock fructooligosaccharide induces stomatal closure in <i>Pisum sativum</i> . <i>Carbohydrate Polymers</i> , 2013, 97, 731-735.	10.2	11
45	Burdock fructooligosaccharide induces fungal resistance in postharvest Kyoho grapes by activating the salicylic acid-dependent pathway and inhibiting browning. <i>Food Chemistry</i> , 2013, 138, 539-546.	8.2	60
46	Transcriptome profile analysis of resistance induced by burdock fructooligosaccharide in tobacco. <i>Journal of Plant Physiology</i> , 2012, 169, 1511-1519.	3.5	20
47	Macrophage immunomodulatory activity of extracellular polysaccharide (PEP) of Antarctic bacterium <i>Pseudoaltermonas</i> sp.S-5. <i>International Immunopharmacology</i> , 2012, 12, 611-617.	3.8	55
48	An exopolysaccharide from <i>Trichoderma pseudokoningii</i> and its apoptotic activity on human leukemia K562 cells. <i>Carbohydrate Polymers</i> , 2012, 89, 701-708.	10.2	39
49	Defense responses of harvested tomato fruit to burdock fructooligosaccharide, a novel potential elicitor. <i>Postharvest Biology and Technology</i> , 2009, 52, 110-116.	6.0	57
50	Age-Dependent Variations of Volatile Emissions and Inhibitory Activity Toward <i>Botrytis cinerea</i> and <i>Fusarium oxysporum</i> in Tomato Leaves Treated with Chitosan Oligosaccharide. <i>Journal of Plant Biology</i> , 2009, 52, 332-339.	2.1	33
51	Burdock fructooligosaccharide induces resistance to tobacco mosaic virus in tobacco seedlings. <i>Physiological and Molecular Plant Pathology</i> , 2009, 74, 34-40.	2.5	33
52	Effects of Crop Development on the Emission of Volatiles in Leaves of <i>Lycopersicon esculentum</i> and Its Inhibitory Activity to <i>Botrytis cinerea</i> and <i>Fusarium oxysporum</i> . <i>Journal of Integrative Plant Biology</i> , 2008, 50, 84-91.	8.5	19
53	Inducement of Salicylic Acid in Cucumber Cotyledons by Neodymium and Lanthanum. <i>Journal of Rare Earths</i> , 2007, 25, 502-507.	4.8	2
54	Induction of Volatile Organic Compounds of <i>Lycopersicon esculentum</i> Mill. and Its Resistance to <i>Botrytis cinerea</i> Pers. by Burdock Oligosaccharide. <i>Journal of Integrative Plant Biology</i> , 2006, 48, 550-557.	8.5	27