

Ping Zhou

List of Publications by Year in descending order

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48
papers

1,310
citations

331670

21
h-index

361022

35
g-index

49
all docs

49
docs citations

49
times ranked

1834
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of pH and Calcium Ions on the Conformational Transitions in Silk Fibroin Using 2D Raman Correlation Spectroscopy and ^{13}C Solid-State NMR. <i>Biochemistry</i> , 2004, 43, 11302-11311.	2.5	150
2	Structure characterization of a novel neutral polysaccharide isolated from <i>Ganoderma lucidum</i> fruiting bodies. <i>Food Chemistry</i> , 2012, 135, 1097-1103.	8.2	83
3	A Protein Tyrosine Phosphatase 1B Activity Inhibitor from the Fruiting Bodies of <i>Ganoderma lucidum</i> (Fr.) Karst and Its Hypoglycemic Potency on Streptozotocin-Induced Type 2 Diabetic Mice. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 6492-6500.	5.2	69
4	Antidiabetic, Antihyperlipidemic and Antioxidant Activities of a Novel Proteoglycan from <i>Ganoderma lucidum</i> Fruiting Bodies on db/db Mice and the Possible Mechanism. <i>PLoS ONE</i> , 2013, 8, e68332.	2.5	65
5	Silk fibroin modified porous poly(ϵ -caprolactone) scaffold for human fibroblast culture in vitro. <i>Journal of Materials Science: Materials in Medicine</i> , 2004, 15, 671-677.	3.6	61
6	A novel proteoglycan from <i>Ganoderma lucidum</i> fruiting bodies protects kidney function and ameliorates diabetic nephropathy via its antioxidant activity in C57BL/6 db/db mice. <i>Food and Chemical Toxicology</i> , 2014, 63, 111-118.	3.6	58
7	Isolation and characterization of a hyperbranched proteoglycan from <i>Ganoderma lucidum</i> for anti-diabetes. <i>Carbohydrate Polymers</i> , 2015, 117, 106-114.	10.2	54
8	Inhibitory effect of curcumin on the Al(III) -induced $\text{A}\beta^{242}$ aggregation and neurotoxicity in vitro. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2012, 1822, 1207-1215.	3.8	51
9	($\hat{\alpha}$) [*] -Epigallocatechin-3-gallate (EGCG) inhibits fibrillation, disaggregates amyloid fibrils of $\hat{\alpha}$ -synuclein, and protects PC12 cells against $\hat{\alpha}$ -synuclein-induced toxicity. <i>RSC Advances</i> , 2017, 7, 32508-32517.	3.6	50
10	Preparation and characterization of chitosan/Cu(II) affinity membrane for urea adsorption. <i>Journal of Applied Polymer Science</i> , 2003, 90, 1108-1112.	2.6	49
11	A novel PTP1B inhibitor extracted from <i>Ganoderma lucidum</i> ameliorates insulin resistance by regulating IRS1-GLUT4 cascades in the insulin signaling pathway. <i>Food and Function</i> , 2018, 9, 397-406.	4.6	44
12	Interaction of curcumin with Al(III) and its complex structures based on experiments and theoretical calculations. <i>Journal of Molecular Structure</i> , 2011, 1004, 163-173.	3.6	40
13	Metal chelator EGCG attenuates Fe(III) -induced conformational transition of $\hat{\alpha}$ -synuclein and protects ASPC12 cells against Fe(III) -induced death. <i>Journal of Neurochemistry</i> , 2017, 143, 136-146.	3.9	38
14	Sodium ion effect on silk fibroin conformation characterized by solid-state NMR and generalized 2D NMR correlation. <i>Journal of Molecular Structure</i> , 2008, 883-884, 85-90.	3.6	33
15	Complex of EGCG with Cu(II) Suppresses Amyloid Aggregation and Cu(II)-Induced Cytotoxicity of $\hat{\alpha}$ -Synuclein. <i>Molecules</i> , 2019, 24, 2940.	3.8	30
16	Complex Formation of Silk Fibroin with Poly(acrylic acid). <i>Polymer Journal</i> , 2000, 32, 269-274.	2.7	27
17	Inhibitory Mechanism of Epigallocatechin Gallate on Fibrillation and Aggregation of Amidated Human Islet Amyloid Polypeptide. <i>ChemPhysChem</i> , 2017, 18, 1611-1619.	2.1	27
18	Investigation of water diffusion in poly(3-hydroxybutyrate-co-3-hydroxyhexanoate) by generalized two-dimensional correlation ATR-FTIR spectroscopy. <i>Polymer</i> , 2009, 50, 1533-1540.	3.8	26

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19	Enhanced cell affinity of the silk fibroin- modified PHBHHx material. Journal of Materials Science: Materials in Medicine, 2009, 20, 1743-1751.	3.6	25
20	Influence of curcumin on the Al(iii)-induced conformation transition of silk fibroin and resulting potential therapy for neurodegenerative diseases. RSC Advances, 2012, 2, 9106.	3.6	24
21	Biocompatibility of poly (3-hydroxybutyrate-co-3-hydroxyhexanoate) modified by silk fibroin. Journal of Materials Science: Materials in Medicine, 2006, 17, 749-758.	3.6	22
22	Influence of trehalose on human islet amyloid polypeptide fibrillation and aggregation. RSC Advances, 2016, 6, 15240-15246.	3.6	21
23	Interference of EGCG on the Zn(ii)-induced conformational transition of silk fibroin as a model protein related to neurodegenerative diseases. Soft Matter, 2012, 8, 5543.	2.7	20
24	Hypoglycemic mechanism of a novel proteoglycan, extracted from Ganoderma lucidum , in hepatocytes. European Journal of Pharmacology, 2018, 820, 77-85.	3.5	19
25	Structural characterization and bioactivity evaluation of an acidic proteoglycan extract from <i>Ganoderma lucidum</i> fruiting bodies for PTP1B inhibition and anti-diabetes. Biopolymers, 2014, 101, 613-623.	2.4	16
26	Influence of Aluminium and EGCG on Fibrillation and Aggregation of Human Islet Amyloid Polypeptide. Journal of Diabetes Research, 2016, 2016, 1-14.	2.3	16
27	Effect of EGCG On Fe(III)-induced conformational transition of silk fibroin, a model of protein related to neurodegenerative diseases. Biopolymers, 2016, 105, 100-107.	2.4	15
28	Effect of Al(iii) and curcumin on silk fibroin conformation and aggregation morphology. RSC Advances, 2014, 4, 40273-40280.	3.6	14
29	Protective effects of a G. lucidum proteoglycan on INS-1 cells against IAPP-induced apoptosis via attenuating endoplasmic reticulum stress and modulating CHOP/JNK pathways. International Journal of Biological Macromolecules, 2018, 106, 893-900.	7.5	14
30	Trehalose inhibits wild-type α -synuclein fibrillation and overexpression and protects against the protein neurotoxicity in transduced PC12 cells. RSC Advances, 2013, 3, 9500.	3.6	13
31	Trehalose Inhibits A53T Mutant α -Synuclein Overexpression and Neurotoxicity in Transduced PC12 Cells. Molecules, 2017, 22, 1293.	3.8	13
32	A proteoglycan extract from <i>Ganoderma Lucidum</i> protects pancreatic beta-cells against STZ-induced apoptosis. Bioscience, Biotechnology and Biochemistry, 2020, 84, 2491-2498.	1.3	13
33	Biodistribution and immunomodulatory activities of a proteoglycan isolated from <i>Ganoderma lucidum</i> . Journal of Functional Foods, 2020, 74, 104193.	3.4	11
34	In situ microscopic studies on the structures and phase behaviors of SF/PEG films using solid-state NMR and Raman imaging. Physical Chemistry Chemical Physics, 2016, 18, 16353-16360.	2.8	10
35	Endocytosis mechanism of a novel proteoglycan, extracted from <i>Ganoderma lucidum</i> , in HepG2 cells. RSC Advances, 2017, 7, 41779-41786.	3.6	10
36	Naturally Stable Free Radical in the Silk Fibroin and Its Structure Environment Studied by EPR and DFT. Spectroscopy Letters, 2012, 45, 285-295.	1.0	9

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37	Pancreatic cancer cell apoptosis is induced by a proteoglycan extracted from <i>Ganoderma lucidum</i> . <i>Oncology Letters</i> , 2020, 21, 34.	1.8	9
38	Interaction and Inhibition of a <i>Ganoderma lucidum</i> Proteoglycan on PTP1B Activity for Anti-diabetes. <i>ACS Omega</i> , 2021, 6, 29804-29813.	3.5	9
39	Antioxidation of a proteoglycan from <i>Ganoderma lucidum</i> protects pancreatic β -cells against oxidative stress-induced apoptosis in vitro and in vivo. <i>International Journal of Biological Macromolecules</i> , 2022, 200, 470-486.	7.5	9
40	The Role of Mn(II) in Silk Fibroin Based on EPR and NMR Spectroscopy. <i>Spectroscopy Letters</i> , 2011, 44, 176-185.	1.0	7
41	A natural hyperbranched proteoglycan inhibits IAPP amyloid fibrillation and attenuates β -cell apoptosis. <i>RSC Advances</i> , 2016, 6, 105690-105698.	3.6	7
42	Amelioration of the Lipogenesis, Oxidative Stress and Apoptosis of Hepatocytes by a Novel Proteoglycan from <i>Ganoderma lucidum</i> . <i>Biological and Pharmaceutical Bulletin</i> , 2020, 43, 1542-1550.	1.4	7
43	The thermodynamic and kinetic mechanisms of a <i>Ganoderma lucidum</i> proteoglycan inhibiting hIAPP amyloidosis. <i>Biophysical Chemistry</i> , 2021, 280, 106702.	2.8	7
44	Inhibition on α -Glucosidase Activity and Non-Enzymatic Glycation by an Anti-Oxidative Proteoglycan from <i>Ganoderma lucidum</i> . <i>Molecules</i> , 2022, 27, 1457.	3.8	5
45	Modulation of energy metabolism and mitochondrial biogenesis by a novel proteoglycan from <i>Ganoderma lucidum</i> . <i>RSC Advances</i> , 2019, 9, 2591-2598.	3.6	3
46	Efficacy and Mechanism of a Chinese Classic Prescription of Yueju in Treating Nonalcoholic Steatohepatitis and Protecting Hepatocytes from Apoptosis. <i>Evidence-based Complementary and Alternative Medicine</i> , 2020, 2020, 1-12.	1.2	3
47	Porcine Fibrin Sealant Promotes Skin Wound Healing in Rats. <i>Evidence-based Complementary and Alternative Medicine</i> , 2022, 2022, 1-10.	1.2	2
48	Nanofibers of silk fibroin controlled by the crystallization of polyethylene glycol in frozen solution. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2017, 35, 1373-1380.	3.8	1