

Zhengquan Su

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

2,643
citations

257101

24
h-index

197535

49
g-index

61
all docs

61
docs citations

61
times ranked

3472
citing authors

#	ARTICLE	IF	CITATIONS
1	The PI3K/AKT pathway in obesity and type 2 diabetes. <i>International Journal of Biological Sciences</i> , 2018, 14, 1483-1496.	2.6	866
2	Advances in understanding the interrelations between leptin resistance and obesity. <i>Physiology and Behavior</i> , 2014, 130, 157-169.	1.0	177
3	Natural Products with Anti-obesity Effects and Different Mechanisms of Action. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 9571-9585.	2.4	141
4	Anti-Obese Effect of Glucosamine and Chitosan Oligosaccharide in High-Fat Diet-Induced Obese Rats. <i>Marine Drugs</i> , 2015, 13, 2732-2756.	2.2	113
5	Mutual interaction between endoplasmic reticulum and mitochondria in nonalcoholic fatty liver disease. <i>Lipids in Health and Disease</i> , 2020, 19, 72.	1.2	90
6	Kupffer Cells in Non-alcoholic Fatty Liver Disease: Friend or Foe?. <i>International Journal of Biological Sciences</i> , 2020, 16, 2367-2378.	2.6	66
7	Anti-Obesity Effect of Chitosan Oligosaccharide Capsules (COSCs) in Obese Rats by Ameliorating Leptin Resistance and Adipogenesis. <i>Marine Drugs</i> , 2018, 16, 198.	2.2	63
8	Hypolipidemic effects of chitosan nanoparticles in hyperlipidemia rats induced by high fat diet. <i>International Immunopharmacology</i> , 2011, 11, 457-461.	1.7	62
9	Complex Relationship between Obesity and the Fat Mass and Obesity Locus. <i>International Journal of Biological Sciences</i> , 2017, 13, 615-629.	2.6	55
10	Determination of the Deacetylation Degree of Chitooligosaccharides. <i>Marine Drugs</i> , 2017, 15, 332.	2.2	53
11	The Microstructure, Antibacterial and Antitumor Activities of Chitosan Oligosaccharides and Derivatives. <i>Marine Drugs</i> , 2022, 20, 69.	2.2	50
12	Connection between gut microbiome and the development of obesity. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2019, 38, 1987-1998.	1.3	48
13	Nondigestible Oligosaccharides with Anti-Obesity Effects. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 4-16.	2.4	46
14	Preparation of Chitosan and Water-Soluble Chitosan Microspheres via Spray-Drying Method to Lower Blood Lipids in Rats Fed with High-Fat Diets. <i>International Journal of Molecular Sciences</i> , 2013, 14, 4174-4184.	1.8	45
15	Effect of different bile acids on the intestine through enterohepatic circulation based on FXR. <i>Gut Microbes</i> , 2021, 13, 1949095.	4.3	45
16	Hypolipidemic effects of chitosan and its derivatives in hyperlipidemic rats induced by a high-fat diet. <i>Food and Nutrition Research</i> , 2016, 60, 31137.	1.2	43
17	Therapeutic Effect of Chitooligosaccharide Tablets on Lipids in High-Fat Diets Induced Hyperlipidemic Rats. <i>Molecules</i> , 2019, 24, 514.	1.7	41
18	Strategies for Synthesis of Imidazo[1,2- <i>a</i>]pyridine Derivatives: Carbene Transformations or C [∞] H Functionalizations. <i>Chemical Record</i> , 2019, 19, 2105-2118.	2.9	39

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19	Mechanochemical Synthesis of 1,2-Diketoindolizine Derivatives from Indolizines and Epoxides Using Piezoelectric Materials. <i>Organic Letters</i> , 2021, 23, 7171-7176.	2.4	34
20	<p>Berberine-Loaded Nanostructured Lipid Carriers Enhance the Treatment of Ulcerative Colitis</p>. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 3937-3951.	3.3	33
21	Advances in the preparation and assessment of the biological activities of chitosan oligosaccharides with different structural characteristics. <i>Food and Function</i> , 2021, 12, 926-951.	2.1	32
22	Resonance Rayleigh scattering method for the determination of chitosan using erythrosine B as a probe and PVA as sensitization. <i>Food Chemistry</i> , 2018, 239, 126-131.	4.2	31
23	Non-shivering Thermogenesis Signalling Regulation and Potential Therapeutic Applications of Brown Adipose Tissue. <i>International Journal of Biological Sciences</i> , 2021, 17, 2853-2870.	2.6	30
24	Water-Soluble Chitosan Nanoparticles Inhibit Hypercholesterolemia Induced by Feeding a High-Fat Diet in Male Sprague-Dawley Rats. <i>Journal of Nanomaterials</i> , 2011, 2011, 1-5.	1.5	26
25	Cholesterol-lowering effects and potential mechanisms of chitoooligosaccharide capsules in hyperlipidemic rats. <i>Food and Nutrition Research</i> , 2018, 62, .	1.2	25
26	Metal-Free C=C Bond Cleavage: An Acid Catalyzed Three-Component Reaction Construction of Imidazole-Containing Triarylmethanes. <i>Organic Letters</i> , 2019, 21, 4420-4423.	2.4	25
27	Chitosan oligosaccharide ameliorated obesity by reducing endoplasmic reticulum stress in diet-induced obese rats. <i>Food and Function</i> , 2020, 11, 6285-6296.	2.1	24
28	The effect of chitoooligosaccharides on oleic acid-induced lipid accumulation in HepG 2 cells. <i>Saudi Pharmaceutical Journal</i> , 2016, 24, 292-298.	1.2	23
29	A sensitive and visual molecularly imprinted fluorescent sensor incorporating CaF ₂ quantum dots and β-cyclodextrins for 5-hydroxymethylfurfural detection. <i>Analytica Chimica Acta</i> , 2020, 1124, 113-120.	2.6	22
30	Beneficial Metabolic Effects of Chitosan and Chitosan Oligosaccharide on Epididymal WAT Browning and Thermogenesis in Obese Rats. <i>Molecules</i> , 2019, 24, 4455.	1.7	20
31	Targeted treatment of alcoholic liver disease based on inflammatory signalling pathways. , 2021, 222, 107752.		20
32	The Preparation of Capsaicin-Chitosan Microspheres (CCMS) Enteric Coated Tablets. <i>International Journal of Molecular Sciences</i> , 2013, 14, 24305-24319.	1.8	18
33	Mechanochemically Induced Dehydrogenation Coupling and [3+2] Cycloaddition of Indolizines with Allenes Using Piezoelectric Materials. <i>Journal of Organic Chemistry</i> , 2022, 87, 3265-3275.	1.7	17
34	Development and validation of an improved Bradford method for determination of insulin from chitosan nanoparticulate systems. <i>Pharmaceutical Biology</i> , 2010, 48, 966-973.	1.3	16
35	Autophagy: a promising process for the treatment of acetaminophen-induced liver injury. <i>Archives of Toxicology</i> , 2020, 94, 2925-2938.	1.9	16
36	Protective effect and mechanism of chitoooligosaccharides on acetaminophen-induced liver injury. <i>Food and Function</i> , 2021, 12, 9979-9993.	2.1	16

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37	<i>In vitro</i> inhibition of lipid accumulation induced by oleic acid and <i>in vivo</i> pharmacokinetics of chitosan microspheres (CTMS) and chitosan-capsaicin microspheres (CCMS). <i>Food and Nutrition Research</i> , 2017, 61, 1331658.	1.2	13
38	The effects of COST on the differentiation of 3T3-L1 preadipocytes and the mechanism of action. <i>Saudi Journal of Biological Sciences</i> , 2017, 24, 251-255.	1.8	13
39	Applications and Biocompatibility of Mesoporous Silica Nanocarriers in the Field of Medicine. <i>Frontiers in Pharmacology</i> , 2022, 13, 829796.	1.6	13
40	Preparation and Characterization of Water-Soluble Chitosan Microparticles Loaded with Insulin Using the Polyelectrolyte Complexation Method. <i>Journal of Nanomaterials</i> , 2011, 2011, 1-6.	1.5	11
41	Marine Chitooligosaccharide Alters Intestinal Flora Structure and Regulates Hepatic Inflammatory Response to Influence Nonalcoholic Fatty Liver Disease. <i>Marine Drugs</i> , 2022, 20, 383.	2.2	11
42	Advances in the Study of the Antiatherogenic Function and Novel Therapies for HDL. <i>International Journal of Molecular Sciences</i> , 2015, 16, 17245-17272.	1.8	10
43	GOS Ameliorates Nonalcoholic Fatty Liver Disease Induced by High Fat and High Sugar Diet through Lipid Metabolism and Intestinal Microbes. <i>Nutrients</i> , 2022, 14, 2749.	1.7	10
44	Resonance Rayleigh scattering method for highly sensitive detection of chitosan using aniline blue as probe. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 168, 206-211.	2.0	9
45	The triple-wavelength overlapping resonance Rayleigh scattering method and the fluorescence quenching method for the determination of chitooligosaccharides using trisodium-8-hydroxypyrene-1,3,6-trisulfonate as a probe. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 220, 117100.	2.0	9
46	Biodegradation and Prospect of Polysaccharide from Crustaceans. <i>Marine Drugs</i> , 2022, 20, 310.	2.2	9
47	Resonance Rayleigh Scattering Spectra of an Ion-Association Complex of Naphthol Green B-Chitosan System and Its Application in the Highly Sensitive Determination of Chitosan. <i>Marine Drugs</i> , 2016, 14, 71.	2.2	7
48	Chinese Medicine Huzhen Tongfeng Formula Effectively Attenuates Gouty Arthritis by Inhibiting Arachidonic Acid Metabolism and Inflammatory Mediators. <i>Mediators of Inflammation</i> , 2020, 2020, 1-17.	1.4	7
49	A facile one step solvothermal controllable synthesis of FeS ₂ quantum dots with multiple color emission for the visual detection of aconitine. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 240, 118563.	2.0	7
50	One-pot facile synthesis of enzyme-encapsulated Zn/Co-infinite coordination polymer nanospheres as a biocatalytic cascade platform for colorimetric monitoring of bacteria viability. <i>Mikrochimica Acta</i> , 2021, 188, 322.	2.5	6
51	Anti-obesity effects of galacto-oligosaccharides in obese rats. <i>European Journal of Pharmacology</i> , 2022, 917, 174728.	1.7	6
52	Study on Brilliant Blue-chitosan System by Dual-wavelength Overlapping Resonance Rayleigh Scattering Method and its Analytical Applications. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 191, 463-468.	2.0	5
53	A resonance Rayleigh scattering and fluorescence quenching dual-channel sensor for sensitive detection of chitosan based on Eosin Y. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 1429-1440.	1.9	5
54	Cobalt-Based Metal-Organic Framework Nanoparticles with Peroxidase-like Catalytic Activity for Sensitive Colorimetric Detection of Phosphate. <i>Catalysts</i> , 2022, 12, 679.	1.6	5

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55	The Ameliorative Effect of COST on Diet-Induced Lipid Metabolism Disorders by Regulating Intestinal Microbiota. <i>Marine Drugs</i> , 2022, 20, 444.	2.2	5
56	Antioxidant of small molecular weight chitosan oligosaccharide in vitro. <i>BIO Web of Conferences</i> , 2017, 8, 01028.	0.1	3
57	A resonance Rayleigh scattering method for sensitive detection of chitosan based on supramolecular complex and mechanism study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 270, 120797.	2.0	3
58	Resonance Rayleigh scattering methods for the determination of chitosan with Congo red as probe. <i>Luminescence</i> , 2017, 32, 1511-1516.	1.5	2
59	Resonance Rayleigh scattering spectra study on the interactions of chito-oligosaccharides with acid blue 119 and their analytical applications. <i>Microchemical Journal</i> , 2020, 159, 105449.	2.3	1
60	Application of Gelatin Decorated with Allura Red as Resonance Rayleigh Scattering Sensor to Detect Chito-Oligosaccharides. <i>Marine Drugs</i> , 2020, 18, 146.	2.2	0