

Yuguang Du

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

68

papers

941

citations

17

h-index

27

g-index

71

ext. papers

1,272

ext. citations

5.8

avg, IF

4.5

L-index

#	Paper	IF	Citations
68	High molecular weight chitosan oligosaccharide exhibited antifungal activity by misleading cell wall organization via targeting PHR transglucosidases.. <i>Carbohydrate Polymers</i> , 2022 , 285, 119253	10.3	1
67	Novel Insights Into the Sulfated Glucuronic Acid-Based Anti-SARS-CoV-2 Mechanism of Exopolysaccharides From Halophilic Archaeon .. <i>Frontiers in Chemistry</i> , 2022 , 10, 871509	5	0
66	Chitosan Oligosaccharides Regulate the Occurrence and Development of Enteritis in a Human Gut-On-a-Chip.. <i>Frontiers in Cell and Developmental Biology</i> , 2022 , 10, 877892	5.7	2
65	Protein Engineering of <i>Pasteurella multocida</i> α ,3-Sialyltransferase with Reduced α ,3-Sialidase Activity and Application in Synthesis of β -Sialyllactose. <i>Catalysts</i> , 2022 , 12, 579	4	1
64	Low Deacetylation Degree Chitosan Oligosaccharide Protects against IL-1 β Induced Inflammation and Enhances Autophagy Activity in Human Chondrocytes. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2021 , 1-14	3.5	1
63	Detecting SARS-CoV-2 in the Breath of COVID-19 Patients. <i>Frontiers in Medicine</i> , 2021 , 8, 604392	4.9	10
62	Exploring Effects of Chitosan Oligosaccharides on the DSS-Induced Intestinal Barrier Impairment In Vitro and In Vivo. <i>Molecules</i> , 2021 , 26,	4.8	7
61	Expression and Biochemical Characterization of a Novel Marine Chitosanase from Suitable for Preparation of Chitobiose. <i>Marine Drugs</i> , 2021 , 19,	6	3
60	Glucosamine Ameliorates Symptoms of High-Fat Diet-Fed Mice by Reversing Imbalanced Gut Microbiota. <i>Frontiers in Pharmacology</i> , 2021 , 12, 694107	5.6	1
59	Overexpression and biochemical characterization of a truncated endo- β (1 \rightarrow 3)-fucoidanase from <i>Alteromonas</i> sp. SN-1009. <i>Food Chemistry</i> , 2021 , 353, 129460	8.5	1
58	Maternal chitosan oligosaccharide intervention optimizes the production performance and health status of gilts and their offspring. <i>Animal Nutrition</i> , 2020 , 6, 134-142	4.8	5
57	Competitive annealing mediated isothermal amplification (CAMP) for rapid and simple detection of <i>Listeria monocytogenes</i> in milk. <i>Food Control</i> , 2020 , 117, 107347	6.2	3
56	3D printing of a thermosensitive hydrogel for skin tissue engineering: A proof of concept study. <i>Bioprinting</i> , 2020 , 19, e00089	7	18
55	Overexpression and Biochemical Characterization of an Endo- β (1,4)-polygalacturonase from in. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	2
54	Screening and structure study of active components of <i>Astragalus</i> polysaccharide for injection based on different molecular weights. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2020 , 1152, 122255	3.2	13
53	Hydrogel-based preparation of cell aggregates for biomedical applications. <i>Applied Materials Today</i> , 2020 , 20, 100747	6.6	3
52	Fabrication of a Cartilage Patch by Fusing Hydrogel-Derived Cell Aggregates onto Electrospun Film. <i>Tissue Engineering - Part A</i> , 2020 , 26, 863-871	3.9	6

51	Establishment and Application of Peristaltic Human Gut-Vessel Microsystem for Studying Host-Microbial Interaction. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020 , 8, 272	5.8	14
50	Chitosan Oligosaccharides Coupling Inhibits Bacterial Biofilm-Related Antibiotic Resistance against Florfenicol. <i>Molecules</i> , 2020 , 25,	4.8	2
49	Allogeneic primary mesenchymal stem/stromal cell aggregates within poly(N-isopropylacrylamide-co-acrylic acid) hydrogel for osteochondral regeneration. <i>Applied Materials Today</i> , 2020 , 18, 100487	6.6	4
48	Blood-Brain Barrier Permeable Chitosan Oligosaccharides Interfere with β Amyloid Aggregation and Alleviate β Amyloid Protein Mediated Neurotoxicity and Neuroinflammation in a Dose- and Degree of Polymerization-Dependent Manner. <i>Marine Drugs</i> , 2020 , 18,	6	10
47	Potential of Using Cell-Free DNA and miRNA in Breast Milk to Screen Early Breast Cancer. <i>BioMed Research International</i> , 2020 , 2020, 8126176	3	1
46	Liquid-Phase and Ultrahigh-Frequency-Acoustofluidics-Based Solid-Phase Synthesis of Biotin-Tagged 6 β /3 β -Sialyl-N-Acetylglucosamine by Sequential One-Pot Multienzyme System. <i>Catalysts</i> , 2020 , 10, 1347	4	1
45	Investigation of absorption, metabolism and toxicity of ginsenosides compound K based on human organ chips. <i>International Journal of Pharmaceutics</i> , 2020 , 587, 119669	6.5	10
44	Rapid and simple detection of <i>Bacillus cereus</i> in milk by real-time competitive annealing mediated isothermal amplification. <i>Analyst, The</i> , 2020 , 145, 6677-6682	5	4
43	A review on the preparation of chitosan oligosaccharides and application to human health, animal husbandry and agricultural production. <i>Carbohydrate Polymers</i> , 2019 , 220, 60-70	10.3	70
42	N-Acetylcysteine alleviates gut dysbiosis and glucose metabolic disorder in high-fat diet-fed mice. <i>Journal of Diabetes</i> , 2019 , 11, 32-45	3.8	22
41	Inhibition of Liver Tumor Cell Metastasis by Partially Acetylated Chitosan Oligosaccharide on A Tumor-Vessel Microsystem. <i>Marine Drugs</i> , 2019 , 17,	6	11
40	Extraction, Characterization, Antitumor and Immunological Activities of Hemicellulose Polysaccharide from Herb Residue. <i>Molecules</i> , 2019 , 24,	4.8	13
39	Enteromorpha prolifera oligomers relieve pancreatic injury in streptozotocin (STZ)-induced diabetic mice. <i>Carbohydrate Polymers</i> , 2019 , 206, 403-411	10.3	12
38	Synthesis and Evaluation of a Chitosan Oligosaccharide-Streptomycin Conjugate against Biofilms. <i>Marine Drugs</i> , 2019 , 17,	6	12
37	Enhanced multi-lineage differentiation of human mesenchymal stem/stromal cells within poly(N-isopropylacrylamide-acrylic acid) microgel-formed three-dimensional constructs. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 1799-1814	7.3	11
36	Effect of dietary chitosan oligosaccharide supplementation on the pig ovary transcriptome.. <i>RSC Advances</i> , 2018 , 8, 13266-13273	3.7	3
35	Identification of chitosan oligosaccharides binding proteins from the plasma membrane of wheat leaf cell. <i>International Journal of Biological Macromolecules</i> , 2018 , 111, 1083-1090	7.9	22
34	Competitive annealing mediated isothermal amplification of nucleic acids. <i>Analyst, The</i> , 2018 , 143, 639-642	6	6

33	Overexpression and biochemical characterization of a recombinant psychrophilic endocellulase from <i>Pseudoalteromonas</i> sp. DY3. <i>International Journal of Biological Macromolecules</i> , 2018 , 116, 100-105	7.9	2
32	Chitosan oligosaccharides improve the disturbance in glucose metabolism and reverse the dysbiosis of gut microbiota in diabetic mice. <i>Carbohydrate Polymers</i> , 2018 , 190, 77-86	10.3	89
31	Characterization of porcine milk oligosaccharides over lactation between primiparous and multiparous female pigs. <i>Scientific Reports</i> , 2018 , 8, 4688	4.9	16
30	Heterologous expression and biochemical characterization of a GHF9 endoglucanase from the termite <i>Reticulitermes speratus</i> in <i>Pichia pastoris</i> . <i>BMC Biotechnology</i> , 2018 , 18, 35	3.5	4
29	Conjugation of chitosan oligosaccharides via a carrier protein markedly improves immunogenicity of porcine circovirus vaccine. <i>Glycoconjugate Journal</i> , 2018 , 35, 451-459	3	1
28	Chitin Oligosaccharide Modulates Gut Microbiota and Attenuates High-Fat-Diet-Induced Metabolic Syndrome in Mice. <i>Marine Drugs</i> , 2018 , 16,	6	46
27	Conjugation of chitosan oligosaccharides enhances immune response to porcine circovirus vaccine by activating macrophages. <i>Immunobiology</i> , 2018 , 223, 663-670	3.4	11
26	A multiplex microfluidic loop-mediated isothermal amplification array for detection of malaria-related parasites and vectors. <i>Acta Tropica</i> , 2018 , 178, 86-92	3.2	6
25	Cloning and biochemical characterization of a novel Carrageenase from newly isolated marine bacterium <i>Pedobacter hainanensis</i> NJ-02. <i>International Journal of Biological Macromolecules</i> , 2018 , 108, 1331-1338	7.9	14
24	Chitosan Oligosaccharides Improve Glucolipid Metabolism Disorder in Liver by Suppression of Obesity-Related Inflammation and Restoration of Peroxisome Proliferator-Activated Receptor Gamma (PPAR γ) <i>Marine Drugs</i> , 2018 , 16,	6	23
23	Exploring Effects of Chitosan Oligosaccharides on Mice Gut Microbiota in Fermentation and Animal Model. <i>Frontiers in Microbiology</i> , 2018 , 9, 2388	5.7	24
22	Insight into carrageenases: major review of sources, category, property, purification method, structure, and applications. <i>Critical Reviews in Biotechnology</i> , 2018 , 38, 1261-1276	9.4	25
21	Enhanced immune response to inactivated porcine circovirus type 2 (PCV2) vaccine by conjugation of chitosan oligosaccharides. <i>Carbohydrate Polymers</i> , 2017 , 166, 64-72	10.3	23
20	Chitosan oligosaccharide inhibits EGF-induced cell growth possibly through blockade of epidermal growth factor receptor/mitogen-activated protein kinase pathway. <i>International Journal of Biological Macromolecules</i> , 2017 , 98, 502-505	7.9	17
19	Chitosan oligosaccharides inhibit epithelial cell migration through blockade of N-acetylglucosaminyltransferase V and branched GlcNAc structure. <i>Carbohydrate Polymers</i> , 2017 , 170, 241-246	10.3	9
18	Specific N-glycan alterations are coupled in EMT induced by different density cultivation of MCF 10A epithelial cells. <i>Glycoconjugate Journal</i> , 2017 , 34, 219-227	3	8
17	Detection and differentiation of influenza viruses with glycan-functionalized gold nanoparticles. <i>Biosensors and Bioelectronics</i> , 2017 , 91, 46-52	11.8	39
16	<i>Antrodia cinnamomea</i> Oligosaccharides Suppress Lipopolysaccharide-Induced Inflammation through Promoting O-GlcNAcylation and Repressing p38/Akt Phosphorylation. <i>Molecules</i> , 2017 , 23,	4.8	10

15	The inhibition of LPS-induced inflammation in RAW264.7 macrophages via the PI3K/Akt pathway by highly N-acetylated chitooligosaccharide. <i>Carbohydrate Polymers</i> , 2017 , 174, 1138-1143	10.3	29
14	Specific N-glycan alterations are coupled in epithelial-mesenchymal transition induced by EGF in GE11 epithelial cells. <i>Cell Biology International</i> , 2017 , 41, 124-133	4.5	4
13	Rational design of <i>Pleurotus eryngii</i> versatile ligninolytic peroxidase for enhanced pH and thermal stability through structure-based protein engineering. <i>Protein Engineering, Design and Selection</i> , 2017 , 30, 743-751	1.9	3
12	The Positive Correlation of the Enhanced Immune Response to PCV2 Subunit Vaccine by Conjugation of Chitosan Oligosaccharide with the Deacetylation Degree. <i>Marine Drugs</i> , 2017 , 15,	6	10
11	Annotation of porcine milk oligosaccharides throughout lactation by hydrophilic interaction chromatography coupled with quadruple time of flight tandem mass spectrometry. <i>Electrophoresis</i> , 2016 , 37, 1525-31	3.6	10
10	Characterization of a cold-adapted and salt-tolerant exo-chitinase (ChiC) from <i>Pseudoalteromonas</i> sp. DL-6. <i>Extremophiles</i> , 2016 , 20, 167-76	3	12
9	Enzymatic Hydrolysis of Alginate to Produce Oligosaccharides by a New Purified Endo-Type Alginate Lyase. <i>Marine Drugs</i> , 2016 , 14,	6	43
8	Insight into the impact of two structural calcium ions on the properties of <i>Pleurotus eryngii</i> versatile ligninolytic peroxidase. <i>Archives of Biochemistry and Biophysics</i> , 2016 , 612, 9-16	4.1	3
7	Molecular shape and immunogenicity of meningococcal polysaccharide group A conjugate vaccine. <i>Vaccine</i> , 2015 , 33, 5815-5821	4.1	8
6	Characterization of a new family 75 chitosanase from <i>Aspergillus</i> sp. W-2. <i>International Journal of Biological Macromolecules</i> , 2015 , 81, 362-9	7.9	36
5	<i>Cellulosimicrobium cellulans</i> strain E4-5 enzymatic hydrolysis of curdlan for production of (1-3)-linked β -D-glucan oligosaccharides. <i>Carbohydrate Polymers</i> , 2015 , 134, 740-4	10.3	15
4	(1-3)- β -D-Glucan oligosaccharides monomers purification and its H ₂ O ₂ induction effect study. <i>International Journal of Biological Macromolecules</i> , 2015 , 81, 1069-73	7.9	3
3	Characterization of a new endo-type alginate lyase from <i>Vibrio</i> sp. W13. <i>International Journal of Biological Macromolecules</i> , 2015 , 75, 330-7	7.9	50
2	Chemiluminescence diminishment on a paper-based analytical device: high throughput determination of β agonists in swine hair. <i>Analytical Methods</i> , 2014 , 6, 9684-9690	3.2	14
1	Characterisation of a chitinase from <i>Pseudoalteromonas</i> sp. DL-6, a marine psychrophilic bacterium. <i>International Journal of Biological Macromolecules</i> , 2014 , 70, 455-62	7.9	25