

# Yuguang Du

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/4698030/yuguang-du-publications-by-citations.pdf>

**Version:** 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	Chitosan oligosaccharides improve the disturbance in glucose metabolism and reverse the dysbiosis of gut microbiota in diabetic mice. <i>Carbohydrate Polymers</i> , <b>2018</b> , 190, 77-86	10.3	89
67	A review on the preparation of chitosan oligosaccharides and application to human health, animal husbandry and agricultural production. <i>Carbohydrate Polymers</i> , <b>2019</b> , 220, 60-70	10.3	70
66	Characterization of a new endo-type alginate lyase from <i>Vibrio</i> sp. W13. <i>International Journal of Biological Macromolecules</i> , <b>2015</b> , 75, 330-7	7.9	50
65	Chitin Oligosaccharide Modulates Gut Microbiota and Attenuates High-Fat-Diet-Induced Metabolic Syndrome in Mice. <i>Marine Drugs</i> , <b>2018</b> , 16,	6	46
64	Enzymatic Hydrolysis of Alginate to Produce Oligosaccharides by a New Purified Endo-Type Alginate Lyase. <i>Marine Drugs</i> , <b>2016</b> , 14,	6	43
63	Detection and differentiation of influenza viruses with glycan-functionalized gold nanoparticles. <i>Biosensors and Bioelectronics</i> , <b>2017</b> , 91, 46-52	11.8	39
62	Characterization of a new family 75 chitosanase from <i>Aspergillus</i> sp. W-2. <i>International Journal of Biological Macromolecules</i> , <b>2015</b> , 81, 362-9	7.9	36
61	The inhibition of LPS-induced inflammation in RAW264.7 macrophages via the PI3K/Akt pathway by highly N-acetylated chitooligosaccharide. <i>Carbohydrate Polymers</i> , <b>2017</b> , 174, 1138-1143	10.3	29
60	Characterisation of a chitinase from <i>Pseudoalteromonas</i> sp. DL-6, a marine psychrophilic bacterium. <i>International Journal of Biological Macromolecules</i> , <b>2014</b> , 70, 455-62	7.9	25
59	Insight into carrageenases: major review of sources, category, property, purification method, structure, and applications. <i>Critical Reviews in Biotechnology</i> , <b>2018</b> , 38, 1261-1276	9.4	25
58	Exploring Effects of Chitosan Oligosaccharides on Mice Gut Microbiota in Fermentation and Animal Model. <i>Frontiers in Microbiology</i> , <b>2018</b> , 9, 2388	5.7	24
57	Enhanced immune response to inactivated porcine circovirus type 2 (PCV2) vaccine by conjugation of chitosan oligosaccharides. <i>Carbohydrate Polymers</i> , <b>2017</b> , 166, 64-72	10.3	23
56	Chitosan Oligosaccharides Improve Glucolipid Metabolism Disorder in Liver by Suppression of Obesity-Related Inflammation and Restoration of Peroxisome Proliferator-Activated Receptor Gamma (PPAR $\gamma$ ). <i>Marine Drugs</i> , <b>2018</b> , 16,	6	23
55	Identification of chitosan oligosaccharides binding proteins from the plasma membrane of wheat leaf cell. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 111, 1083-1090	7.9	22
54	N-Acetylcysteine alleviates gut dysbiosis and glucose metabolic disorder in high-fat diet-fed mice. <i>Journal of Diabetes</i> , <b>2019</b> , 11, 32-45	3.8	22
53	3D printing of a thermosensitive hydrogel for skin tissue engineering: A proof of concept study. <i>Bioprinting</i> , <b>2020</b> , 19, e00089	7	18
52	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> , <b>2017</b> , 98, 502-505	7.9	17

51	Characterization of porcine milk oligosaccharides over lactation between primiparous and multiparous female pigs. <i>Scientific Reports</i> , <b>2018</b> , 8, 4688	4.9	16
50	Cellulosimicrobium cellulans strain E4-5 enzymatic hydrolysis of curdlan for production of (1-3)-linked $\beta$ -D-glucan oligosaccharides. <i>Carbohydrate Polymers</i> , <b>2015</b> , 134, 740-4	10.3	15
49	Establishment and Application of Peristaltic Human Gut-Vessel Microsystem for Studying Host-Microbial Interaction. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2020</b> , 8, 272	5.8	14
48	Chemiluminescence diminishment on a paper-based analytical device: high throughput determination of $\beta$ agonists in swine hair. <i>Analytical Methods</i> , <b>2014</b> , 6, 9684-9690	3.2	14
47	Cloning and biochemical characterization of a novel $\beta$ arrageenase from newly isolated marine bacterium Pedobacter hainanensis NJ-02. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 108, 1331-1338	7.9	14
46	Screening and structure study of active components of Astragalus polysaccharide for injection based on different molecular weights. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2020</b> , 1152, 122255	3.2	13
45	Extraction, Characterization, Antitumor and Immunological Activities of Hemicellulose Polysaccharide from Herb Residue. <i>Molecules</i> , <b>2019</b> , 24,	4.8	13
44	Characterization of a cold-adapted and salt-tolerant exo-chitinase (ChiC) from Pseudoalteromonas sp. DL-6. <i>Extremophiles</i> , <b>2016</b> , 20, 167-76	3	12
43	Enteromorpha prolifera oligomers relieve pancreatic injury in streptozotocin (STZ)-induced diabetic mice. <i>Carbohydrate Polymers</i> , <b>2019</b> , 206, 403-411	10.3	12
42	Synthesis and Evaluation of a Chitosan Oligosaccharide-Streptomycin Conjugate against Biofilms. <i>Marine Drugs</i> , <b>2019</b> , 17,	6	12
41	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> , <b>2018</b> , 6, 1799-1814	7.3	11
40	Conjugation of chitosan oligosaccharides enhances immune response to porcine circovirus vaccine by activating macrophages. <i>Immunobiology</i> , <b>2018</b> , 223, 663-670	3.4	11
39	Inhibition of Liver Tumor Cell Metastasis by Partially Acetylated Chitosan Oligosaccharide on A Tumor-Vessel Microsystem. <i>Marine Drugs</i> , <b>2019</b> , 17,	6	11
38	Annotation of porcine milk oligosaccharides throughout lactation by hydrophilic interaction chromatography coupled with quadruple time of flight tandem mass spectrometry. <i>Electrophoresis</i> , <b>2016</b> , 37, 1525-31	3.6	10
37	Antrodia cinnamomea Oligosaccharides Suppress Lipopolysaccharide-Induced Inflammation through Promoting O-GlcNAcylation and Repressing p38/Akt Phosphorylation. <i>Molecules</i> , <b>2017</b> , 23,	4.8	10
36	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> , <b>2017</b> , 15,	6	10
35	Blood-Brain Barrier Permeable Chitosan Oligosaccharides Interfere with $\beta$ Amyloid Aggregation and Alleviate $\beta$ Amyloid Protein Mediated Neurotoxicity and Neuroinflammation in a Dose- and Degree of Polymerization-Dependent Manner. <i>Marine Drugs</i> , <b>2020</b> , 18,	6	10
34	Investigation of absorption, metabolism and toxicity of ginsenosides compound K based on human organ chips. <i>International Journal of Pharmaceutics</i> , <b>2020</b> , 587, 119669	6.5	10

33	Detecting SARS-CoV-2 in the Breath of COVID-19 Patients. <i>Frontiers in Medicine</i> , <b>2021</b> , 8, 604392	4.9	10
32	Chitosan oligosaccharides inhibit epithelial cell migration through blockade of N-acetylglucosaminyltransferase V and branched GlcNAc structure. <i>Carbohydrate Polymers</i> , <b>2017</b> , 170, 241-246	10.3	9
31	Specific N-glycan alterations are coupled in EMT induced by different density cultivation of MCF 10A epithelial cells. <i>Glycoconjugate Journal</i> , <b>2017</b> , 34, 219-227	3	8
30	Molecular shape and immunogenicity of meningococcal polysaccharide group A conjugate vaccine. <i>Vaccine</i> , <b>2015</b> , 33, 5815-5821	4.1	8
29	Exploring Effects of Chitosan Oligosaccharides on the DSS-Induced Intestinal Barrier Impairment In Vitro and In Vivo. <i>Molecules</i> , <b>2021</b> , 26,	4.8	7
28	Fabrication of a Cartilage Patch by Fusing Hydrogel-Derived Cell Aggregates onto Electrospun Film. <i>Tissue Engineering - Part A</i> , <b>2020</b> , 26, 863-871	3.9	6
27	Competitive annealing mediated isothermal amplification of nucleic acids. <i>Analyst, The</i> , <b>2018</b> , 143, 639-642	4.2	6
26	A multiplex microfluidic loop-mediated isothermal amplification array for detection of malaria-related parasites and vectors. <i>Acta Tropica</i> , <b>2018</b> , 178, 86-92	3.2	6
25	Maternal chitosan oligosaccharide intervention optimizes the production performance and health status of gilts and their offspring. <i>Animal Nutrition</i> , <b>2020</b> , 6, 134-142	4.8	5
24	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> , <b>2018</b> , 18, 35	3.5	4
23	Specific N-glycan alterations are coupled in epithelial-mesenchymal transition induced by EGF in GE11 epithelial cells. <i>Cell Biology International</i> , <b>2017</b> , 41, 124-133	4.5	4
22	Allogeneic primary mesenchymal stem/stromal cell aggregates within poly(N-isopropylacrylamide-co-acrylic acid) hydrogel for osteochondral regeneration. <i>Applied Materials Today</i> , <b>2020</b> , 18, 100487	6.6	4
21	Rapid and simple detection of <i>Bacillus cereus</i> in milk by real-time competitive annealing mediated isothermal amplification. <i>Analyst, The</i> , <b>2020</b> , 145, 6677-6682	5	4
20	Competitive annealing mediated isothermal amplification (CAMP) for rapid and simple detection of <i>Listeria monocytogenes</i> in milk. <i>Food Control</i> , <b>2020</b> , 117, 107347	6.2	3
19	Hydrogel-based preparation of cell aggregates for biomedical applications. <i>Applied Materials Today</i> , <b>2020</b> , 20, 100747	6.6	3
18	Effect of dietary chitosan oligosaccharide supplementation on the pig ovary transcriptome.. <i>RSC Advances</i> , <b>2018</b> , 8, 13266-13273	3.7	3
17	(1-3)-D-Glucan oligosaccharides monomers purification and its H <sub>2</sub> O <sub>2</sub> induction effect study. <i>International Journal of Biological Macromolecules</i> , <b>2015</b> , 81, 1069-73	7.9	3
16	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> , <b>2017</b> , 30, 743-751	1.9	3

15	Expression and Biochemical Characterization of a Novel Marine Chitosanase from <i>Suitable for Preparation of Chitobiose</i> . <i>Marine Drugs</i> , <b>2021</b> , 19,	6	3
14	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> , <b>2016</b> , 612, 9-16	4.1	3
13	Overexpression and Biochemical Characterization of an Endo- $\beta$ 1,4-polygalacturonase from in. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	2
12	Overexpression and biochemical characterization of a recombinant psychrophilic endocellulase from <i>Pseudoalteromonas</i> sp. DY3. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 116, 100-105	7.9	2
11	Chitosan Oligosaccharides Coupling Inhibits Bacterial Biofilm-Related Antibiotic Resistance against Florfenicol. <i>Molecules</i> , <b>2020</b> , 25,	4.8	2
10	Chitosan Oligosaccharides Regulate the Occurrence and Development of Enteritis in a Human Gut-On-a-Chip.. <i>Frontiers in Cell and Developmental Biology</i> , <b>2022</b> , 10, 877892	5.7	2
9	Conjugation of chitosan oligosaccharides via a carrier protein markedly improves immunogenicity of porcine circovirus vaccine. <i>Glycoconjugate Journal</i> , <b>2018</b> , 35, 451-459	3	1
8	Low Deacetylation Degree Chitosan Oligosaccharide Protects against IL-1 $\beta$ Induced Inflammation and Enhances Autophagy Activity in Human Chondrocytes. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>2021</b> , 1-14	3.5	1
7	Potential of Using Cell-Free DNA and miRNA in Breast Milk to Screen Early Breast Cancer. <i>BioMed Research International</i> , <b>2020</b> , 2020, 8126176	3	1
6	Liquid-Phase and Ultrahigh-Frequency-Acoustofluidics-Based Solid-Phase Synthesis of Biotin-Tagged 6 $\beta$ /3 $\beta$ -Sialyl-N-Acetylglucosamine by Sequential One-Pot Multienzyme System. <i>Catalysts</i> , <b>2020</b> , 10, 1347	4	1
5	Glucosamine Ameliorates Symptoms of High-Fat Diet-Fed Mice by Reversing Imbalanced Gut Microbiota. <i>Frontiers in Pharmacology</i> , <b>2021</b> , 12, 694107	5.6	1
4	Overexpression and biochemical characterization of a truncated endo- $\beta$ (1 $\rightarrow$ 3)-fucoidanase from <i>alteromonas</i> sp. SN-1009. <i>Food Chemistry</i> , <b>2021</b> , 353, 129460	8.5	1
3	High molecular weight chitosan oligosaccharide exhibited antifungal activity by misleading cell wall organization via targeting PHR transglucosidases.. <i>Carbohydrate Polymers</i> , <b>2022</b> , 285, 119253	10.3	1
2	Protein Engineering of <i>Pasteurella multocida</i> $\beta$ 3-Sialyltransferase with Reduced $\beta$ 3-Sialidase Activity and Application in Synthesis of 3 $\beta$ -Sialyllactose. <i>Catalysts</i> , <b>2022</b> , 12, 579	4	1
1	Novel Insights Into the Sulfated Glucuronic Acid-Based Anti-SARS-CoV-2 Mechanism of Exopolysaccharides From Halophilic Archaeon .. <i>Frontiers in Chemistry</i> , <b>2022</b> , 10, 871509	5	0