

Xu Xu

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Identification and activation of TLR4-mediated signalling pathways by alginate-derived guluronate oligosaccharide in RAW264.7 macrophages. <i>Scientific Reports</i> , 2017, 7, 1663.	3.3	133
2	Immunomodulatory Effects of Alginate Oligosaccharides on Murine Macrophage RAW264.7 Cells and Their Structure-Activity Relationships. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 3168-3176.	5.2	114
3	Anti-inflammatory Activity of Guluronate Oligosaccharides Obtained by Oxidative Degradation from Alginate in Lipopolysaccharide-Activated Murine Macrophage RAW 264.7 Cells. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 160-168.	5.2	108
4	Root Growth-promoting Activity of Unsaturated Oligomeric Uronates from Alginate on Carrot and Rice Plants. <i>Bioscience, Biotechnology and Biochemistry</i> , 2003, 67, 2022-2025.	1.3	90
5	Enzymatically Depolymerized Alginate Oligomers That Cause Cytotoxic Cytokine Production in Human Mononuclear Cells. <i>Bioscience, Biotechnology and Biochemistry</i> , 2003, 67, 258-263.	1.3	86
6	Alginate-Derived Oligosaccharide Inhibits Neuroinflammation and Promotes Microglial Phagocytosis of β -Amyloid. <i>Marine Drugs</i> , 2015, 13, 5828-5846.	4.6	65
7	Immune Activation of RAW264.7 Macrophages by Low Molecular Weight Fucoïdan Extracted from New Zealand <i>Undaria pinnatifida</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 10721-10728.	5.2	60
8	Alginate enhances Toll-like receptor 4-mediated phagocytosis by murine RAW264.7 macrophages. <i>International Journal of Biological Macromolecules</i> , 2017, 105, 1446-1454.	7.5	47
9	Unsaturated guluronate oligosaccharide enhances the antibacterial activities of macrophages. <i>FASEB Journal</i> , 2014, 28, 2645-2654.	0.5	41
10	Assessment of pollutions and identification of sources of heavy metals in sediments from west coast of Shenzhen, China. <i>Environmental Science and Pollution Research</i> , 2018, 25, 3647-3656.	5.3	40
11	Comparative studies on DNA-binding and in vitro antitumor activity of enantiomeric ruthenium(II) complexes. <i>Journal of Inorganic Biochemistry</i> , 2018, 180, 54-60.	3.5	37
12	Elucidation of the Molecular-Mechanisms and In Vivo Evaluation of the Anti-inflammatory Effect of Alginate-Derived Seleno-polymannuronate. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 2083-2091.	5.2	36
13	The inhibitory activity of alginate against allergic reactions in an ovalbumin-induced mouse model. <i>Food and Function</i> , 2020, 11, 2704-2713.	4.6	29
14	Morphological and Proteomic Analyses Reveal that Unsaturated Guluronate Oligosaccharide Modulates Multiple Functional Pathways in Murine Macrophage RAW264.7 Cells. <i>Marine Drugs</i> , 2015, 13, 1798-1818.	4.6	28
15	Unsaturated mannuronate oligosaccharide ameliorates β -amyloid pathology through autophagy in Alzheimer's disease cell models. <i>Carbohydrate Polymers</i> , 2021, 251, 117124.	10.2	27
16	Characterization and Immunological Evaluation of Low-Molecular- Weight Alginate Derivatives. <i>Current Topics in Medicinal Chemistry</i> , 2015, 16, 874-887.	2.1	27
17	Binding mechanism of lipase to Ligupurpuroside B extracted from Ku-Ding tea as studied by multi-spectroscopic and molecular docking methods. <i>International Journal of Biological Macromolecules</i> , 2018, 120, 1345-1352.	7.5	26
18	β -Mangostin Ameliorates Free Fatty Acid-Induced Lipid Accumulation via the SIRT1/LKB1/AMPK Pathway in HepG2 and L02 Cells. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 13929-13938.	5.2	24

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19	Mechanism and Nature of Inhibition of Trypsin by Ligupurpuroside A, a Ku-Ding Tea Extract, Studied by Spectroscopic and Docking Methods. <i>Food Biophysics</i> , 2017, 12, 78-87.	3.0	22
20	Immune activation of murine RAW264.7 macrophages by sonicated and alkalized paramylon from <i>Euglena gracilis</i> . <i>BMC Microbiology</i> , 2020, 20, 171.	3.3	22
21	Specific Degradation of Endogenous Tau Protein and Inhibition of Tau Fibrillation by Tanshinone IIA through the Ubiquitin-Proteasome Pathway. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 2054-2062.	5.2	20
22	Seleno-polymannuronate attenuates neuroinflammation by suppressing microglial and astrocytic activation. <i>Journal of Functional Foods</i> , 2018, 51, 113-120.	3.4	18
23	Activation of murine RAW264.7 macrophages by oligopeptides from sea cucumber (<i>Apostichopus</i>) Tj ETQq1 1 0.784314 rgBT /Overlock	3.4	18
24	The regulatory effect of alginate on ovalbumin-induced gut microbiota disorders. <i>Journal of Functional Foods</i> , 2021, 86, 104727.	3.4	17
25	Preparation and potential applications of alginate oligosaccharides. <i>Critical Reviews in Food Science and Nutrition</i> , 2023, 63, 10130-10147.	10.3	17
26	Alginate-Derived Mannuronate Oligosaccharide Attenuates Tauopathy through Enhancing Autophagy. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 4438-4445.	5.2	16
27	Neuroimmunoregulatory potential of seleno-polymannuronate derived from alginate in lipopolysaccharide-stimulated BV2 microglia. <i>Food Hydrocolloids</i> , 2019, 87, 925-932.	10.7	12
28	Characterization and Neuroprotection Potential of Seleno-Polymannuronate. <i>Frontiers in Pharmacology</i> , 2020, 11, 21.	3.5	11
29	Exploring inhibition mechanism and nature of lipase by Ligupurpuroside A extracted from Ku-Ding tea. <i>Medicinal Chemistry Research</i> , 2018, 27, 1822-1833.	2.4	10
30	Genipin Attenuates Tau Phosphorylation and A β Levels in Cellular Models of Alzheimer's Disease. <i>Molecular Neurobiology</i> , 2021, 58, 4134-4144.	4.0	10
31	Optimization of preparation conditions and in vitro sustained-release evaluation of a novel nanoemulsion encapsulating unsaturated guluronate oligosaccharide. <i>Carbohydrate Polymers</i> , 2021, 264, 118047.	10.2	10
32	Contamination evaluation and source identification of heavy metals in sediments near outlet of Shekou industrial district of Shenzhen City. <i>Environmental Monitoring and Assessment</i> , 2020, 192, 772.	2.7	9
33	Comparative Studies on DNA-Binding Mechanisms between Enantiomers of a Polypyridyl Ruthenium(II) Complex. <i>Journal of Physical Chemistry B</i> , 2022, 126, 4787-4798.	2.6	8
34	Utilization of nitrogen self-doped biocarbon derived from soybean nodule in electrochemically sensing ascorbic acid and dopamine. <i>Journal of Porous Materials</i> , 2021, 28, 529-541.	2.6	7
35	Macrophage-stimulating activity of European eel (<i>Anguilla anguilla</i>) peptides in RAW264.7 cells mediated via NF- κ B and MAPK signaling pathways. <i>Food and Function</i> , 2020, 11, 10968-10978.	4.6	6
36	Inhibitory Effects of Macelignan on Tau Phosphorylation and A β Aggregation in the Cell Model of Alzheimer's Disease. <i>Frontiers in Nutrition</i> , 2022, 9, .	3.7	6

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37	Trypsin inhibition by Ligupurpuroside B as studied using spectroscopic, CD, and molecular docking techniques. <i>Journal of Biomolecular Structure and Dynamics</i> , 2019, 37, 3379-3387.	3.5	5
38	Dissection of binding of trypsin to its natural inhibitor Gensenoside-Rg1 using spectroscopic methods and molecular modeling. <i>Journal of Biomolecular Structure and Dynamics</i> , 2019, 37, 4070-4079.	3.5	5
39	Identification of potential genomic biomarkers for Parkinson's disease using data pooling of gene expression microarrays. <i>Biomarkers in Medicine</i> , 2021, 15, 585-595.	1.4	4
40	Preparation, characterization and macrophage-stimulating activity of polyguluronate nanoliposomes. <i>International Journal of Biological Macromolecules</i> , 2022, 213, 478-485.	7.5	3
41	Effects of preparation method on the biochemical characterization and cytotoxic activity of New Zealand surf clam extracts. <i>Heliyon</i> , 2020, 6, e04357.	3.2	2
42	Interaction mechanism of a natural medicine product helicid with a typical digestive enzyme trypsin. <i>Spectroscopy Letters</i> , 2021, 54, 99-112.	1.0	0
43	Exploring the binding mechanism of Ginsenoside Rd to Bovine Serum Albumin: Experimental studies and computational simulations. <i>Journal of Dispersion Science and Technology</i> , 0, , 1-12.	2.4	0