# Xu Xu

List of Publications by Year
in descending order



| 43 | 1,276 | 394421 | 361022 |
|---|---|---|---|
| papers | citations | 19 h-index | 35 g-index |

| 44 | 44 | 44 | 1236 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Preparation and potential applications of alginate oligosaccharides. Critical Reviews in Food Science and Nutrition, 2023, 63, 10130-10147. | 10.3 | 17 |
| 2 | Inhibitory Effects of Macelignan on Tau Phosphorylation and AÎ² Aggregation in the Cell Model of Alzheimer's Disease. Frontiers in Nutrition, 2022, 9, . | 3.7 | 6 |
| 3 | Preparation, characterization and macrophage-stimulating activity of polyguluronate nanoliposomes. International Journal of Biological Macromolecules, 2022, 213, 478-485. | 7.5 | 3 |
| 4 | Comparative Studies on DNA-Binding Mechanisms between Enantiomers of a Polypyridyl Ruthenium(II) Complex. Journal of Physical Chemistry B, 2022, 126, 4787-4798. | 2.6 | 8 |
| 5 | Unsaturated mannuronate oligosaccharide ameliorates Î²â€amyloid pathology through autophagy in Alzheimerâ€™s disease cell models. Carbohydrate Polymers, 2021, 251, 117124. | 10.2 | 27 |
| 6 | Interaction mechanism of a natural medicine product helicid with a typical digestive enzyme trypsin. Spectroscopy Letters, 2021, 54, 99-112. | 1.0 | 0 |
| 7 | Alginate-Derived Mannuronate Oligosaccharide Attenuates Tauopathy through Enhancing Autophagy. Journal of Agricultural and Food Chemistry, 2021, 69, 4438-4445. | 5.2 | 16 |
| 8 | Genipin Attenuates Tau Phosphorylation and AÎ² Levels in Cellular Models of Alzheimerâ€™s Disease. Molecular Neurobiology, 2021, 58, 4134-4144. | 4.0 | 10 |
| 9 | Identification of potential genomic biomarkers for Parkinsonâ€™s disease using data pooling of gene expression microarrays. Biomarkers in Medicine, 2021, 15, 585-595. | 1.4 | 4 |
| 10 | Optimization of preparation conditions and in vitro sustained-release evaluation of a novel nanoemulsion encapsulating unsaturated guluronate oligosaccharide. Carbohydrate Polymers, 2021, 264, 118047. | 10.2 | 10 |
| 11 | The regulatory effect of alginate on ovalbumin-induced gut microbiota disorders. Journal of Functional Foods, 2021, 86, 104727. | 3.4 | 17 |
| 12 | Utilization of nitrogen self-doped biocarbon derived from soybean nodule in electrochemically sensing ascorbic acid and dopamine. Journal of Porous Materials, 2021, 28, 529-541. | 2.6 | 7 |
| 13 | Effects of preparation method on the biochemical characterization and cytotoxic activity of New Zealand surf clam extracts. Heliyon, 2020, 6, e04357. | 3.2 | 2 |
| 14 | Contamination evaluation and source identification of heavy metals in sediments near outlet of Shekou industrial district of Shenzhen City. Environmental Monitoring and Assessment, 2020, 192, 772. | 2.7 | 9 |
| 15 | Activation of murine RAW264.7 macrophages by oligopeptides from sea cucumber (Apostichopus) Tj ETQq1 1 0.784314 rgBT /Overlo | 3.4 | 18 |
| 16 | Macrophage-stimulating activity of European eel (Anguilla anguilla) peptides in RAW264.7 cells mediatedviaNF-ÎºB and MAPK signaling pathways. Food and Function, 2020, 11, 10968-10978. | 4.6 | 6 |
| 17 | Immune activation of murine RAW264.7 macrophages by sonicated and alkalized paramylon from Euglena gracilis. BMC Microbiology, 2020, 20, 171. | 3.3 | 22 |
| 18 | Characterization and Neuroprotection Potential of Seleno-Polymannuronate. Frontiers in Pharmacology, 2020, 11, 21. | 3.5 | 11 |

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|---|---|---|---|
| 19 | The inhibitory activity of alginate against allergic reactions in an ovalbumin-induced mouse model. Food and Function, 2020, 11, 2704-2713. | 4.6 | 29 |
| 20 | Specific Degradation of Endogenous Tau Protein and Inhibition of Tau Fibrillation by Tanshinone IIA through the Ubiquitinâ€“Proteasome Pathway. Journal of Agricultural and Food Chemistry, 2020, 68, 2054-2062. | 5.2 | 20 |
| 21 | Î³-Mangostin Ameliorates Free Fatty Acid-Induced Lipid Accumulation via the SIRT1/LKB1/AMPK Pathway in HepG2 and L02 Cells. Journal of Agricultural and Food Chemistry, 2019, 67, 13929-13938. | 5.2 | 24 |
| 22 | Trypsin inhibition by Ligupurpuroside B as studied using spectroscopic, CD, and molecular docking techniques. Journal of Biomolecular Structure and Dynamics, 2019, 37, 3379-3387. | 3.5 | 5 |
| 23 | Neuroimmunoregulatory potential of seleno-polymannuronate derived from alginate in lipopolysaccharide-stimulated BV2 microglia. Food Hydrocolloids, 2019, 87, 925-932. | 10.7 | 12 |
| 24 | Dissection of binding of trypsin to its natural inhibitor Gensenoside-Rg1 using spectroscopic methods and molecular modeling. Journal of Biomolecular Structure and Dynamics, 2019, 37, 4070-4079. | 3.5 | 5 |
| 25 | Elucidation of the Molecular-Mechanisms and In Vivo Evaluation of the Anti-inflammatory Effect of Alginate-Derived Seleno-polymannuronate. Journal of Agricultural and Food Chemistry, 2018, 66, 2083-2091. | 5.2 | 36 |
| 26 | Comparative studies on DNA-binding and in vitro antitumor activity of enantiomeric ruthenium(II) complexes. Journal of Inorganic Biochemistry, 2018, 180, 54-60. | 3.5 | 37 |
| 27 | Assessment of pollutions and identification of sources of heavy metals in sediments from west coast of Shenzhen, China. Environmental Science and Pollution Research, 2018, 25, 3647-3656. | 5.3 | 40 |
| 28 | Immune Activation of RAW264.7 Macrophages by Low Molecular Weight Fucoidan Extracted from New Zealand Undaria pinnatifida. Journal of Agricultural and Food Chemistry, 2018, 66, 10721-10728. | 5.2 | 60 |
| 29 | Seleno-polymannuronate attenuates neuroinflammation by suppressing microglial and astrocytic activation. Journal of Functional Foods, 2018, 51, 113-120. | 3.4 | 18 |
| 30 | Binding mechanism of lipase to Ligupurpuroside B extracted from Ku-Ding tea as studied by multi-spectroscopic and molecular docking methods. International Journal of Biological Macromolecules, 2018, 120, 1345-1352. | 7.5 | 26 |
| 31 | Exploring inhibition mechanism and nature of lipase by Ligupurpuroside A extracted from Ku-Ding tea. Medicinal Chemistry Research, 2018, 27, 1822-1833. | 2.4 | 10 |
| 32 | Mechanism and Nature of Inhibition of Trypsin by Ligupurpuroside A, a Ku-Ding Tea Extract, Studied by Spectroscopic and Docking Methods. Food Biophysics, 2017, 12, 78-87. | 3.0 | 22 |
| 33 | Identification and activation of TLR4-mediated signalling pathways by alginate-derived guluronate oligosaccharide in RAW264.7 macrophages. Scientific Reports, 2017, 7, 1663. | 3.3 | 133 |
| 34 | Alginate enhances Toll-like receptor 4-mediated phagocytosis by murine RAW264.7 macrophages. International Journal of Biological Macromolecules, 2017, 105, 1446-1454. | 7.5 | 47 |
| 35 | Morphological and Proteomic Analyses Reveal that Unsaturated Guluronate Oligosaccharide Modulates Multiple Functional Pathways in Murine Macrophage RAW264.7 Cells. Marine Drugs, 2015, 13, 1798-1818. | 4.6 | 28 |
| 36 | Alginate-Derived Oligosaccharide Inhibits Neuroinflammation and Promotes Microglial Phagocytosis of Î²-Amyloid. Marine Drugs, 2015, 13, 5828-5846. | 4.6 | 65 |

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|---|---|---|---|
| 37 | Anti-inflammatory Activity of Guluronate Oligosaccharides Obtained by Oxidative Degradation from Alginate in Lipopolysaccharide-Activated Murine Macrophage RAW 264.7 Cells. Journal of Agricultural and Food Chemistry, 2015, 63, 160-168. | 5.2 | 108 |
| 38 | Characterization and Immunological Evaluation of Low-Molecular- Weight Alginate Derivatives. Current Topics in Medicinal Chemistry, 2015, 16, 874-887. | 2.1 | 27 |
| 39 | Unsaturated guluronate oligosaccharide enhances the antibacterial activities of macrophages. FASEB Journal, 2014, 28, 2645-2654. | 0.5 | 41 |
| 40 | Immunomodulatory Effects of Alginate Oligosaccharides on Murine Macrophage RAW264.7 Cells and Their Structureâ€“Activity Relationships. Journal of Agricultural and Food Chemistry, 2014, 62, 3168-3176. | 5.2 | 114 |
| 41 | Root Growth-promoting Activity of Unsaturated Oligomeric Uronates from Alginate on Carrot and Rice Plants. Bioscience, Biotechnology and Biochemistry, 2003, 67, 2022-2025. | 1.3 | 90 |
| 42 | Enzymatically Depolymerized Alginate Oligomers That Cause Cytotoxic Cytokine Production in Human Mononuclear Cells. Bioscience, Biotechnology and Biochemistry, 2003, 67, 258-263. | 1.3 | 86 |
| 43 | Exploring the binding mechanism of Ginsenoside Rd to Bovine Serum Albumin: Experimental studies and computational simulations. Journal of Dispersion Science and Technology, 0, , 1-12. | 2.4 | 0 |