

Xin Zhou

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/4048224/xin-zhou-publications-by-year.pdf>

Version: 2024-04-27

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.

40
papers

567
citations

15
h-index

22
g-index

42
ext. papers

856
ext. citations

6.6
avg, IF

4.34
L-index

#	Paper	IF	Citations
40	Preparation and characterization of egg yolk immunoglobulin loaded chitosan-liposome assisted by supercritical carbon dioxide. <i>Food Chemistry</i> , 2022 , 369, 130934	8.5	2
39	Gel properties of heat-induced transparent hydrogels from ovalbumin by acylation modifications. <i>Food Chemistry</i> , 2022 , 369, 130912	8.5	3
38	Foaming properties and aggregation mechanism of egg white protein with different physical treatments. <i>LWT - Food Science and Technology</i> , 2022 , 153, 112505	5.4	2
37	Intelligent colorimetric film incorporated with anthocyanins-loaded ovalbumin-propylene glycol alginate nanocomplexes as a stable pH indicator of monitoring pork freshness. <i>Food Chemistry</i> , 2022 , 368, 130825	8.5	5
36	Effect of high intensity ultrasound assisted glycosylation on the gel properties of ovalbumin: Texture, rheology, water state and microstructure. <i>Food Chemistry</i> , 2022 , 372, 131215	8.5	6
35	Improved effect of ultrasound-assisted enzymolysis on egg yolk powder: Structural properties, hydration properties and stability characteristics.. <i>Food Chemistry</i> , 2022 , 382, 132549	8.5	0
34	Positive response to surfactants on the interfacial behavior and aggregation stability of Fab fragments from yolk immunoglobulin. <i>International Journal of Biological Macromolecules</i> , 2021 , 193, 1078-1085 ⁰	7.9	1085 ⁰
33	Fab Fragment of Immunoglobulin Y Modulates NF- κ B and MAPK Signaling through TLR4 and α 5 β 1 Integrin and Inhibits the Inflammatory Effect on R264.7 Macrophages. <i>Journal of Agricultural and Food Chemistry</i> , 2021 , 69, 8747-8757	5.7	1
32	Production of self-assembling acylated ovalbumin nanogels as stable delivery vehicles for curcumin. <i>Food Chemistry</i> , 2021 , 355, 129635	8.5	12
31	Role of lysozyme on liquid egg white foaming properties: Interface behavior, physicochemical characteristics and protein structure. <i>Food Hydrocolloids</i> , 2021 , 120, 106876	10.6	9
30	Effect of eggshell membrane as porogen on the physicochemical structure and protease immobilization of chitosan-based macroparticles. <i>Carbohydrate Polymers</i> , 2020 , 242, 116387	10.3	5
29	An easy and simple separation method for Fc and Fab fragments from chicken immunoglobulin Y (IgY). <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2020 , 1141, 122011	3.2	6
28	A magnetic relaxation switching and visual dual-mode sensor for selective detection of Hg based on aptamers modified Au@FeO nanoparticles. <i>Journal of Hazardous Materials</i> , 2020 , 388, 121728	12.8	21
27	Mechanism of enhancing foaming properties of egg white by super critical carbon dioxide treatment. <i>Food Chemistry</i> , 2020 , 317, 126349	8.5	14
26	Transcriptome analysis reveals key information on improving duck yolk lipid contents induced by dietary fish oil or flaxseed oil. <i>Journal of Applied Animal Research</i> , 2020 , 48, 192-200	1.7	
25	Effects of high-intensity ultrasonic (HIU) treatment on the functional properties and assemblage structure of egg yolk. <i>Ultrasonics Sonochemistry</i> , 2020 , 60, 104767	8.9	52
24	Development of an antibacterial nanobiomaterial for wound-care based on the absorption of AgNPs on the eggshell membrane. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019 , 183, 110449	6	17

23	Anti-inflammatory effect of preserved egg with simulated gastrointestinal digestion on LPS-stimulated RAW264.7 cells. <i>Poultry Science</i> , 2019 , 98, 4401-4407	3.9	2
22	Nanoparticles-Enabled Surface-Enhanced Imaging Ellipsometry for Amplified Biosensing. <i>Analytical Chemistry</i> , 2019 , 91, 6769-6774	7.8	7
21	Structure-property of crosslinked chitosan/silica composite films modified by genipin and glutaraldehyde under alkaline conditions. <i>Carbohydrate Polymers</i> , 2019 , 215, 348-357	10.3	41
20	Interfacial and enhanced emulsifying behavior of phosphorylated ovalbumin. <i>International Journal of Biological Macromolecules</i> , 2019 , 131, 293-300	7.9	26
19	Influence of nanosilica on inner structure and performance of chitosan based films. <i>Carbohydrate Polymers</i> , 2019 , 212, 421-429	10.3	24
18	Consequences of phosphorylation on the structural and foaming properties of ovalbumin under wet-heating conditions. <i>Food Hydrocolloids</i> , 2019 , 91, 166-173	10.6	62
17	Study on structural, rheological and foaming properties of ovalbumin by ultrasound-assisted glycation with xylose. <i>Ultrasonics Sonochemistry</i> , 2019 , 58, 104644	8.9	28
16	EPoly-L-lysine-protected TiC MXene quantum dots with high quantum yield for fluorometric determination of cytochrome c and trypsin. <i>Mikrochimica Acta</i> , 2019 , 186, 770	5.8	32
15	Phosphorylation of phosvitin plays a crucial effects on the protein-induced differentiation and mineralization of osteoblastic MC3T3-E1 cells. <i>International Journal of Biological Macromolecules</i> , 2018 , 118, 1848-1854	7.9	11
14	Mass spectrometry characterization for N-glycosylation of immunoglobulin Y from hen egg yolk. <i>International Journal of Biological Macromolecules</i> , 2018 , 108, 277-283	7.9	16
13	The impact of N-glycosylation on conformation and stability of immunoglobulin Y from egg yolk. <i>International Journal of Biological Macromolecules</i> , 2017 , 96, 129-136	7.9	23
12	Fluorescence switch biosensor based on quantum dots and gold nanoparticles for discriminative detection of lysozyme. <i>International Journal of Biological Macromolecules</i> , 2017 , 103, 1155-1161	7.9	19
11	Hydroxyapatite nucleation and growth on collagen electrospun fibers controlled with different mineralization conditions and phosvitin. <i>Macromolecular Research</i> , 2017 , 25, 905-912	1.9	14
10	A sensitive and selective resonance Rayleigh scattering method for quick detection of avidin using affinity labeling Au nanoparticles. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016 , 162, 75-80	4.4	7
9	Determination of Egg Yolk Immunoglobulin by Resonance Light Scattering of Affinity-Labeled Au Nanoparticles. <i>Food Analytical Methods</i> , 2016 , 9, 2052-2059	3.4	2
8	A "Turn-on-off-on" fluorescence switch based on quantum dots and gold nanoparticles for discriminative detection of ovotransferrin. <i>Talanta</i> , 2016 , 150, 407-14	6.2	8
7	The morphology, structure and electrocatalytic ability of graphene prepared with different drying methods. <i>RSC Advances</i> , 2016 , 6, 28005-28014	3.7	8
6	Monitoring glycation-induced structural and biofunctional changes in chicken immunoglobulin Y by different monosaccharides. <i>Poultry Science</i> , 2016 , 95, 2715-2723	3.9	3

5	Mass Spectrometry and Two-Dimensional Electrophoresis To Characterize the Glycosylation of Hen Egg White Ovomacroglobulin. <i>Journal of Agricultural and Food Chemistry</i> , 2015 , 63, 8209-15	5.7	19
4	The inhibition of fluorescence resonance energy transfer between multicolor quantum dots for rapid and sensitive detection of <i>Staphylococcus aureus</i> . <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015 , 135, 428-34	4.4	8
3	A simple method for isolating chicken egg yolk immunoglobulin using effective delipidation solution and ammonium sulfate. <i>Poultry Science</i> , 2015 , 94, 104-10	3.9	17
2	A novel two-step controlled basic water phase method for synthesizing size-tunable CdTe/Cd(OH) ₂ core/shell quantum dots with high quantum yield and excellent stability. <i>Journal of Luminescence</i> , 2013 , 143, 262-270	3.8	8
1	Ultrasensitive and rapid lead sensing in water based on environmental friendly and high luminescent L-glutathione-capped-ZnSe quantum dots. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012 , 97, 909-14	4.4	26