

Xiao-Ying Zhang

List of Publications by Year in descending order

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111
papers

2,208
citations

236612

25
h-index

264894

42
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117
all docs

117
docs citations

117
times ranked

2955
citing authors

#	ARTICLE	IF	CITATIONS
1	Botany, traditional uses, phytochemistry and pharmacology of <i>Apocynum venetum</i> L. (Luobuma): A review. <i>Journal of Ethnopharmacology</i> , 2012, 141, 1-8.	2.0	122
2	<i>Cistanche deserticola</i> Y. C. Ma, "Desert Ginseng": A Review. <i>The American Journal of Chinese Medicine</i> , 2012, 40, 1123-1141.	1.5	115
3	scp>IgY</scp>: a key isotype in antibody evolution. <i>Biological Reviews</i> , 2017, 92, 2144-2156.	4.7	87
4	Detection of kanamycin and gentamicin residues in animal-derived food using IgY antibody based ic-ELISA and FPIA. <i>Food Chemistry</i> , 2017, 227, 48-54.	4.2	86
5	Hepatoprotective effect of isoquercitrin against acetaminophen-induced liver injury. <i>Life Sciences</i> , 2016, 152, 180-189.	2.0	84
6	Hepatoprotective Effect of Kaempferol Against Alcoholic Liver Injury in Mice. <i>The American Journal of Chinese Medicine</i> , 2015, 43, 241-254.	1.5	81
7	Monitoring of laying capacity, immunoglobulin Y concentration, and antibody titer development in chickens immunized with ricin and botulinum toxins over a two-year period. <i>Poultry Science</i> , 2009, 88, 281-290.	1.5	76
8	The Essential Oils and Eucalyptol From <i>Artemisia vulgaris</i> L. Prevent Acetaminophen-Induced Liver Injury by Activating Nrf2-Keap1 and Enhancing APAP Clearance Through Non-Toxic Metabolic Pathway. <i>Frontiers in Pharmacology</i> , 2019, 10, 782.	1.6	64
9	Effect of Chicken Egg Yolk Antibodies (IgY) against Diarrhea in Domesticated Animals: A Systematic Review and Meta-Analysis. <i>PLoS ONE</i> , 2014, 9, e97716.	1.1	62
10	Protective effect of hyperoside against acetaminophen (APAP) induced liver injury through enhancement of APAP clearance. <i>Chemico-Biological Interactions</i> , 2016, 246, 11-19.	1.7	60
11	4-Hydroxyphenylacetic Acid Prevents Acute APAP-Induced Liver Injury by Increasing Phase II and Antioxidant Enzymes in Mice. <i>Frontiers in Pharmacology</i> , 2018, 9, 653.	1.6	59
12	Comparative study on the extraction of <i>Xanthoceras sorbifolia</i> Bunge (yellow horn) seed oil using subcritical n-butane, supercritical CO ₂ , and the Soxhlet method. <i>LWT - Food Science and Technology</i> , 2019, 111, 548-554.	2.5	57
13	Neonatal Fc receptor (FcRn): a novel target for therapeutic antibodies and antibody engineering. <i>Journal of Drug Targeting</i> , 2014, 22, 269-278.	2.1	48
14	Purple potato (<i>Solanum tuberosum</i> L.) anthocyanins attenuate alcohol-induced hepatic injury by enhancing antioxidant defense. <i>Journal of Natural Medicines</i> , 2016, 70, 45-53.	1.1	48
15	Echinacoside and <i>Cistanche tubulosa</i> (Schenk) R. wight ameliorate bisphenol A-induced testicular and sperm damage in rats through gonad axis regulated steroidogenic enzymes. <i>Journal of Ethnopharmacology</i> , 2016, 193, 321-328.	2.0	45
16	Genetic typing and epidemiologic observation of bovine viral diarrhea virus in Western China. <i>Virus Genes</i> , 2011, 42, 204-207.	0.7	40
17	Immunoglobulin Transporting Receptors Are Potential Targets for the Immunity Enhancement and Generation of Mammary Gland Bioreactor. <i>Frontiers in Immunology</i> , 2016, 7, 214.	2.2	39
18	Hypoglycemic effect of hawthorn in type II diabetes mellitus rat model. <i>Journal of the Science of Food and Agriculture</i> , 2017, 97, 4557-4561.	1.7	39

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19	Protective effect of <i>Cordyceps militaris</i> extract against bisphenol A induced reproductive damage. <i>Systems Biology in Reproductive Medicine</i> , 2016, 62, 249-257.	1.0	38
20	Preparation of Artificial Antigen and Development of IgY-Based Indirect Competitive ELISA for the Detection of Kanamycin Residues. <i>Food Analytical Methods</i> , 2016, 9, 744-751.	1.3	37
21	Chicken egg yolk antibody (IgY) as diagnostics and therapeutics in parasitic infections – A review. <i>International Journal of Biological Macromolecules</i> , 2019, 136, 755-763.	3.6	36
22	Preparation of a Chicken scFv to Analyze Gentamicin Residue in Animal Derived Food Products. <i>Analytical Chemistry</i> , 2016, 88, 4092-4098.	3.2	34
23	Hepatoprotective effect of gastrodin against alcohol-induced liver injury in mice. <i>Journal of Physiology and Biochemistry</i> , 2019, 75, 29-37.	1.3	33
24	The cryoprotective effects of soybean lecithin on boar spermatozoa quality. <i>African Journal of Biotechnology</i> , 2009, 8, 6476-6480.	0.3	32
25	3,4-Dihydroxyphenylacetic acid, a microbiota-derived metabolite of quercetin, attenuates acetaminophen (APAP)-induced liver injury through activation of Nrf-2. <i>Xenobiotica</i> , 2016, 46, 931-939.	0.5	28
26	Distribution of rat neonatal Fc receptor in the principal organs of neonatal and pubertal rats. <i>Journal of Receptor and Signal Transduction Research</i> , 2014, 34, 137-142.	1.3	26
27	<i>Apocynum venetum</i> Attenuates Acetaminophen-Induced Liver Injury in Mice. <i>The American Journal of Chinese Medicine</i> , 2015, 43, 457-476.	1.5	24
28	Anthocyanins attenuate alcohol-induced hepatic injury by inhibiting pro-inflammation signalling. <i>Natural Product Research</i> , 2016, 30, 469-473.	1.0	24
29	A sensitive sandwich ELISA using a modified biotin-streptavidin amplified system for histamine detection in fish, prawn and crab. <i>Food Chemistry</i> , 2021, 350, 129196.	4.2	24
30	Use of IgY Antibodies in Human and Veterinary Medicine. , 2007, , 213-222.		23
31	SeW regulates inflammation-related cytokines in response to H ₂ O ₂ in Se-deficient chicken liver. <i>RSC Advances</i> , 2015, 5, 37896-37905.	1.7	22
32	Development of indirect competitive ELISA using egg yolk-derived immunoglobulin (IgY) for the detection of Gentamicin residues. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2016, 51, 8-13.	0.7	21
33	Development of ELISA and chemiluminescence enzyme immunoassay for quantification of histamine in drug products and food samples. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 4739-4747.	1.9	21
34	Development of quantum dot-linked immunosorbent assay (QLISA) and ELISA for the detection of sunset yellow in foods and beverages. <i>Food Chemistry</i> , 2022, 385, 132648.	4.2	21
35	Cistanche tubulosa ethanol extract mediates rat sex hormone levels by induction of testicular steroidogenic enzymes. <i>Pharmaceutical Biology</i> , 2016, 54, 481-487.	1.3	20
36	Evaluation and Optimization of Three Different Immunoassays for Rapid Detection Zearalenone in Fodders. <i>Food Analytical Methods</i> , 2017, 10, 256-262.	1.3	20

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37	Hepatoprotective effect of <i>Phellinus linteus</i> mycelia polysaccharide (PL-N1) against acetaminophen-induced liver injury in mouse. <i>International Journal of Biological Macromolecules</i> , 2020, 154, 1276-1284.	3.6	20
38	ELISA and Chemiluminescent Enzyme Immunoassay for Sensitive and Specific Determination of Lead (II) in Water, Food and Feed Samples. <i>Foods</i> , 2020, 9, 305.	1.9	20
39	Canine Parvovirus is diagnosed and neutralized by chicken IgY-scFv generated against the virus capsid protein. <i>Veterinary Research</i> , 2020, 51, 110.	1.1	19
40	Pharmacokinetic analysis of cefquinome in healthy chickens. <i>British Poultry Science</i> , 2013, 54, 81-86.	0.8	18
41	Antibody mimetics: promising complementary agents to animal-sourced antibodies. <i>Critical Reviews in Biotechnology</i> , 2016, 36, 268-275.	5.1	18
42	A Comparative Evaluation of Six Principal IgY Antibody Extraction Methods. <i>ATLA Alternatives To Laboratory Animals</i> , 2016, 44, 11-20.	0.7	18
43	Protective effect of wild <i>Corni fructus</i> methanolic extract against acute alcoholic liver injury in mice. <i>Redox Report</i> , 2017, 22, 338-345.	1.4	18
44	Eupafolin Suppresses Esophagus Cancer Growth by Targeting T-LAK Cell-Originated Protein Kinase. <i>Frontiers in Pharmacology</i> , 2019, 10, 1248.	1.6	18
45	Affinity purification of egg yolk immunoglobulins (IgY) using a human mycoplasma protein. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016, 1012-1013, 37-41.	1.2	17
46	Kaempferol's Protective Effect on Ethanol-Induced Mouse Primary Hepatocytes Injury Involved in the Synchronous Inhibition of SP1, Hsp70 and CYP2E1. <i>The American Journal of Chinese Medicine</i> , 2018, 46, 1093-1110.	1.5	17
47	Evaluation of Chicken IgY Generated Against Canine Parvovirus Viral-Like Particles and Development of Enzyme-Linked Immunosorbent Assay and Immunochromatographic Assay for Canine Parvovirus Detection. <i>Viral Immunology</i> , 2015, 28, 489-494.	0.6	15
48	Development of an IgY Antibody-Based Immunoassay for the Screening of the CYP2E1 Inhibitor/Enhancer from Herbal Medicines. <i>Frontiers in Pharmacology</i> , 2016, 7, 502.	1.6	15
49	Echinacoside Increases Sperm Quantity in Rats by Targeting the Hypothalamic Androgen Receptor. <i>Scientific Reports</i> , 2018, 8, 3839.	1.6	15
50	Chicken Monoclonal IgY Antibody: A Novel Antibody Development Strategy. <i>Avian Biology Research</i> , 2010, 3, 97-106.	0.4	13
51	Chronobiological studies of chicken IgY: Monitoring of infradian, circadian and ultradian rhythms of IgY in blood and yolk of chickens. <i>Veterinary Immunology and Immunopathology</i> , 2014, 160, 266-272.	0.5	13
52	Comparative studies on the anti-neuroinflammatory and antioxidant activities of black and red goji berries. <i>Journal of Functional Foods</i> , 2022, 92, 105038.	1.6	12
53	IgY Technology in aquaculture – a review. <i>Reviews in Aquaculture</i> , 2015, 7, 153-160.	4.6	11
54	Preparation of chicken IgY against recombinant E2 protein of bovine viral diarrhea virus (BVDV) and development of ELISA and ICA for BVDV detection. <i>Bioscience, Biotechnology and Biochemistry</i> , 2016, 80, 2467-2472.	0.6	11

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55	Development of Competitive ELISA and CLEIA for Quantitative Analysis of Polymyxin B. <i>Food Analytical Methods</i> , 2019, 12, 1412-1419.	1.3	11
56	Progress on research of chicken IgY antibody-FcR γ receptor combination and transfer. <i>Journal of Receptor and Signal Transduction Research</i> , 2012, 32, 231-237.	1.3	10
57	Generation and Characterization of Chicken-Sourced Single-Chain Variable Fragments (scFvs) Against Porcine Interferon-Gamma (pIFN- γ). <i>Journal of Immunoassay and Immunochemistry</i> , 2015, 36, 27-44.	0.5	10
58	Echinacoside alleviates acetaminophen-induced liver injury by attenuating oxidative stress and inflammatory cytokines in mice. <i>Journal of Applied Biomedicine</i> , 2021, 19, 105-112.	0.6	10
59	Specific anti-SARS-CoV-2 S1 IgY-scFv is a promising tool for recognition of the virus. <i>AMB Express</i> , 2022, 12, 18.	1.4	10
60	Quantitative Investigation on Correlation Between IgG and FcRn During Gestation and Lactating Periods in Rat. <i>American Journal of Reproductive Immunology</i> , 2016, 75, 81-85.	1.2	9
61	Purification and characterization of lysozyme from Chinese Lueyang black-bone Silky fowl egg white. <i>Preparative Biochemistry and Biotechnology</i> , 2019, 49, 215-221.	1.0	9
62	Scientometric analysis and perspective of IgY technology study. <i>Poultry Science</i> , 2022, 101, 101713.	1.5	9
63	Surface displaying of swine IgG1 Fc enhances baculovirus-vector vaccine efficacy by facilitating viral complement escape and mammalian cell transduction. <i>Veterinary Research</i> , 2017, 48, 29.	1.1	8
64	Synthesis of Escherichia coli OmpA Oral Nanoparticles and Evaluation of Immune Functions against the Major Etiologic Agent of Cow Mastitis. <i>Vaccines</i> , 2021, 9, 304.	2.1	8
65	Pharmacokinetic evaluation of the interaction between oral kaempferol and ethanol in rats. <i>Acta Pharmaceutica</i> , 2016, 66, 563-568.	0.9	7
66	Preparation of Artificial Antigen and Development of Indirect Competitive ELISA Based on Chicken IgY for the Detection of Acid Orange II in Food Samples. <i>Food Analytical Methods</i> , 2016, 9, 378-384.	1.3	7
67	Hepatoprotective effect of <i>Alhagi sparsifolia</i> against Alcoholic Liver injury in mice. <i>Brazilian Journal of Pharmaceutical Sciences</i> , 2018, 54, .	1.2	6
68	Protective effect of <i>Alhagi sparsifolia</i> against acetaminophen-induced liver injury in mice. <i>Tropical Journal of Pharmaceutical Research</i> , 2018, 17, 641.	0.2	6
69	Drug-drug interaction of acetaminophen and roxithromycin with the cocktail of cytochrome P450 and hepatotoxicity in rats. <i>International Journal of Medical Sciences</i> , 2020, 17, 414-421.	1.1	6
70	Recent Advances in Applications of Bioactive Egg Compounds in Nonfood Sectors. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 738993.	2.0	6
71	Necrosis factor-alpha (TNF-alpha) response in human hepatoma HepG2 cells treated with hepatotoxic agents. <i>Die Pharmazie</i> , 2014, 69, 379-84.	0.3	6
72	Effect of passive immunotherapy against <i>Clostridium difficile</i> infection: a systematic review and meta-analysis. <i>Immunotherapy</i> , 2016, 8, 649-663.	1.0	5

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73	Data set for transcriptome analysis of the Chinese giant salamander (<i>Andrias davidianus</i>). Data in Brief, 2016, 6, 12-14.	0.5	5
74	A preliminary pilot scale analysis of anti-cariogenic activity of green tea powder extract flavoured with Ginger, Cloves and Mint against clinical oral pathogens. Clinical Nutrition Experimental, 2019, 24, 66-71.	2.0	5
75	Immunoprotective evaluation of <i>Escherichia coli</i> outer membrane protein A against the main pathogens of animal mastitis. Tropical Journal of Pharmaceutical Research, 2020, 19, 155-162.	0.2	5
76	Antibody Mimetics, Peptides, and Peptidomimetics. Methods in Molecular Biology, 2017, 1575, 3-13.	0.4	5
77	A Survey of Diagnosis and Treatment of Pet Canine Parvovirus Disease in China. Journal of Animal and Veterinary Advances, 2011, 10, 2058-2060.	0.1	5
78	Antioxidant Effects of <i>Sophora davidi</i> (Franch.) Skeels on Galactose-Induced Aging Model in Mice via Activating the SIRT1/p53 Pathway. Frontiers in Pharmacology, 2021, 12, 754554.	1.6	5
79	Evaluation of Different IgY Preparation Methods and Storage Stability as Potential Animal Feed Supplement. Pakistan Journal of Zoology, 2020, 52, .	0.1	4
80	A Retrospective Analysis on Phylogeny and Evolution of CPV Isolates in China. Asian Journal of Animal and Veterinary Advances, 2011, 6, 1204-1213.	0.3	4
81	Pancreatic lipase and -amylase inhibitory activities of plants used in Traditional Chinese Medicine (TCM). Die Pharmazie, 2016, 71, 420-424.	0.3	4
82	Purification and characterization of an antimicrobial protein from <i>Gastrodia elata</i> Blume tubers. Tropical Journal of Pharmaceutical Research, 2018, 17, 1717.	0.2	3
83	Generation and evaluation of anti-mouse IgG IgY as secondary antibody. Preparative Biochemistry and Biotechnology, 2020, 50, 788-793.	1.0	3
84	Determination of Dehydroepiandrosterone in Dietary Supplements and Pharmaceutical Products by a Competitive Chemiluminescent Enzyme Immunoassay. Analytical Letters, 2021, 54, 842-853.	1.0	3
85	Generation and evaluation of IgY-scFv based mimetics against canine parvovirus. Veterinary Research, 2021, 52, 70.	1.1	3
86	HPLC-DAD Fingerprints Combined With Multivariate Analysis of <i>Epimedii Folium</i> From Major Producing Areas in Eastern Asia: Effect of Geographical Origin and Species. Frontiers in Pharmacology, 2021, 12, 761551.	1.6	3
87	Experimental study on pressure characteristics of direct water hammer in the viscoelastic pipeline. Journal of Water Supply: Research and Technology - AQUA, 2022, 71, 563-576.	0.6	3
88	Mathematical analysis of multi-antibiotic resistance. International Journal of Cardiology, 2016, 219, 33-37.	0.8	2
89	A novel and efficient immunoglobulin Y extraction method using poloxamer-polyethylene glycol. Preparative Biochemistry and Biotechnology, 2017, 47, 739-743.	1.0	2
90	Comparative study on Pharmacokinetic Profiles of Chicken IgY to Horse IgG in Rabbits. Journal of the Hellenic Veterinary Medical Society, 2018, 68, 405.	0.1	2

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91	Evaluation of Immunogenicity, Protective Immunity on Aquaculture Pathogenic Vibrio and Fermentation of Vibrio alginolyticus Flagellin FlaC Protein. Iranian Journal of Biotechnology, 2019, 17, 35-42.	0.3	2
92	Regulation of Cytochrome P450 2a5 by Artemisia capillaris and 6,7-Dimethylesculetin in Mouse Hepatocytes. Frontiers in Pharmacology, 2021, 12, 730416.	1.6	2
93	Label-Free LC-MS/MS Analysis Reveals Different Proteomic Profiles between Egg Yolks of Silky Fowl and Ordinary Chickens. Foods, 2022, 11, 1035.	1.9	2
94	An improved in vitro method for screening toxin and medicine targeting CYP2E1. Environmental Toxicology and Pharmacology, 2016, 47, 86-91.	2.0	1
95	Data on the effects of Hyptis spp. and Lycium spp. plant extracts in C. elegans models of genetically determined neurodegenerative diseases. Data in Brief, 2020, 33, 106598.	0.5	1
96	Chemiluminescence immunoassay approach to quantify Bisphenol S in canned beverage using a NSP-SA-labeled specific monoclonal antibody. European Food Research and Technology, 2020, 246, 1857-1865.	1.6	1
97	Monoclonal IgY Antibodies. , 2021, , 173-193.		1
98	The Domestic Hen. , 2021, , 15-30.		1
99	Applications of IgY in Veterinary Medicine. , 2021, , 205-235.		1
100	Evolution of Immunoglobulins in Vertebrates. , 2021, , 49-58.		1
101	Progress on Chicken Monoclonal Antibody Technology*. Progress in Biochemistry and Biophysics, 2010, 37, 358-363.	0.3	1
102	A bio-mathematical approach: Speculations to construct virtual placenta. Applied Mathematics and Computation, 2015, 256, 344-351.	1.4	0
103	Biomathematical modeling on chronobiological rhythms of antibody- exemplified through chicken IgY. Biological Rhythm Research, 2016, 47, 833-840.	0.4	0
104	Generation and Characterization of Chicken Egg Yolk Antibodies against Bovine Interleukin-6. Applied Engineering in Agriculture, 2018, 34, 799-805.	0.3	0
105	IgY Cell Receptors and Immunity Transfer. , 2021, , 71-79.		0
106	IgY Delivery and Dosage Form. , 2021, , 161-171.		0
107	Development of IgY Technology: A Historical Perspective. , 2021, , 3-14.		0
108	Biology and Molecular Structure of Avian IgY Antibody. , 2021, , 59-70.		0

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109	Protective effect of Echinacoside, Cistanche and Cordyceps militaris extract on reproductive damage in rats. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO2-12-37.	0.0	0
110	Herba Epimedii biotransformation in in vitro simulated gastrointestinal digestion and faecal fermentation systems. <i>Planta Medica</i> , 2021, 87, .	0.7	0
111	A pair of novel phenylethanol glycosides from <i>Cistanche tubulosa</i> (Schenk) Wight. <i>Fã-toterapÃ-Ãç</i> , 2022, 160, 105227.	1.1	0