

Zhigang Liu

List of Publications by Year in descending order

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58
papers

1,599
citations

331670

21
h-index

315739

38
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63
all docs

63
docs citations

63
times ranked

2966
citing authors

#	ARTICLE	IF	CITATIONS
1	A Multifunctional Nanoplatform against Multidrug Resistant Cancer: Merging the Best of Targeted Chemo/Gene/Photothermal Therapy. <i>Advanced Functional Materials</i> , 2017, 27, 1704135.	14.9	260
2	Inhibiting Growth of <i>Clostridioides difficile</i> by Restoring Valerate, Produced by the Intestinal Microbiota. <i>Gastroenterology</i> , 2018, 155, 1495-1507.e15.	1.3	127
3	COVID-19 vaccine-induced antibody responses in immunosuppressed patients with inflammatory bowel disease (VIP): a multicentre, prospective, case-control study. <i>The Lancet Gastroenterology and Hepatology</i> , 2022, 7, 342-352.	8.1	100
4	Identification and Characterization of an Arginine Kinase as a Major Allergen from Silkworm <i>(Bombyx mori)</i> Larvae. <i>International Archives of Allergy and Immunology</i> , 2009, 150, 8-14.	2.1	99
5	25-Hydroxyvitamin D3-Deficiency Enhances Oxidative Stress and Corticosteroid Resistance in Severe Asthma Exacerbation. <i>PLoS ONE</i> , 2014, 9, e111599.	2.5	78
6	Selective metabolic effects of gold nanorods on normal and cancer cells and their application in anticancer drug screening. <i>Biomaterials</i> , 2013, 34, 7117-7126.	11.4	77
7	Deciphering molecular mechanism of silver by integrated omic approaches enables enhancing its antimicrobial efficacy in <i>E. coli</i> . <i>PLoS Biology</i> , 2019, 17, e3000292.	5.6	66
8	Enhancing Therapeutic Effects of Docetaxel-Loaded Dendritic Copolymer Nanoparticles by Co-Treatment with Autophagy Inhibitor on Breast Cancer. <i>Theranostics</i> , 2014, 4, 1085-1095.	10.0	64
9	Studies on the interaction of <i>epigallocatechin</i>gallate from green tea with bovine <i>lactoglobulin</i> by spectroscopic methods and docking. <i>International Journal of Dairy Technology</i> , 2013, 66, 7-13.	2.8	48
10	Synthesis and Evaluation of Diphenyl Conjugated Imidazole Derivatives as Potential Glutaminyl Cyclase Inhibitors for Treatment of Alzheimer<sup>TM</sup>s Disease. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 6664-6677.	6.4	47
11	Itaconic acid exerts anti-inflammatory and antibacterial effects via promoting pentose phosphate pathway to produce ROS. <i>Scientific Reports</i> , 2021, 11, 18173.	3.3	46
12	Tanshinone IIA inhibits glucose metabolism leading to apoptosis in cervical cancer. <i>Oncology Reports</i> , 2019, 42, 1893-1903.	2.6	34
13	Local Nasal Immunotherapy: Efficacy of <i>Dermatophagoides farinae</i>-Chitosan Vaccine in Murine Asthma. <i>International Archives of Allergy and Immunology</i> , 2009, 150, 221-228.	2.1	33
14	Metabolic Characteristics of 16HBE and A549 Cells Exposed to Different Surface Modified Gold Nanorods. <i>Advanced Healthcare Materials</i> , 2016, 5, 2363-2375.	7.6	33
15	Lyn regulates mucus secretion and MUC5AC via the STAT6 signaling pathway during allergic airway inflammation. <i>Scientific Reports</i> , 2017, 7, 42675.	3.3	33
16	Effects of <i>Caryota mitis</i> profilin-loaded PLGA nanoparticles in a murine model of allergic asthma. <i>International Journal of Nanomedicine</i> , 2013, 8, 4553.	6.7	32
17	Two-Site Antibody Immunoanalytical Detection of Food Allergens by Surface Plasmon Resonance. <i>Food Analytical Methods</i> , 2016, 9, 582-588.	2.6	32
18	Understanding the mechanisms of efficacy of fecal microbiota transplant in treating recurrent <i>Clostridioides difficile</i> infection and beyond: the contribution of gut microbial-derived metabolites. <i>Gut Microbes</i> , 2020, 12, 1810531.	9.8	32

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19	Decreased glutathione biosynthesis contributes to EGFR T790M-driven erlotinib resistance in non-small cell lung cancer. <i>Cell Discovery</i> , 2016, 2, 16031.	6.7	26
20	Nine Crystal Structures Determine the Substrate Envelope of the MDR HIV-1 Protease. <i>Protein Journal</i> , 2011, 30, 173-183.	1.6	24
21	Conjugation of functional oligosaccharides reduced in vitro allergenicity of β -lactoglobulin. <i>Food and Agricultural Immunology</i> , 2013, 24, 379-391.	1.4	22
22	Surface modification of paclitaxel-loaded tri-block copolymer PLGA-b-PEG-b-PLGA nanoparticles with protamine for liver cancer therapy. <i>Journal of Nanoparticle Research</i> , 2015, 17, 1.	1.9	19
23	Probiotics SOD inhibited food allergy via downregulation of STAT6-TIM4 signaling on DCs. <i>Molecular Immunology</i> , 2018, 103, 71-77.	2.2	18
24	Bom m 9 from <i>Bombyx mori</i> is a novel protein related to asthma. <i>Microbiology and Immunology</i> , 2015, 59, 410-418.	1.4	16
25	Exploration of the effect of probiotics supplementation on intestinal microbiota of food allergic mice. <i>American Journal of Translational Research (discontinued)</i> , 2017, 9, 376-385.	0.0	14
26	Overexpression of ATP5b promotes cell proliferation in asthma. <i>Molecular Medicine Reports</i> , 2017, 16, 6946-6952.	2.4	13
27	The pathogenesis of rheumatoid arthritis is associated with milk or egg allergy. <i>North American Journal of Medical Sciences</i> , 2016, 8, 40.	1.7	13
28	Comparative Genomics Reveals Insights into the Divergent Evolution of Astigmatic Mites and Household Pest Adaptations. <i>Molecular Biology and Evolution</i> , 2022, 39, .	8.9	13
29	Differential effects of L- and D-phenylalanine on pancreatic and gastrointestinal hormone release in humans: A randomized crossover study. <i>Diabetes, Obesity and Metabolism</i> , 2021, 23, 147-157.	4.4	12
30	Metatranscriptomic Analysis Reveals the Virome and Viral Genomic Evolution of Medically Important Mites. <i>Journal of Virology</i> , 2021, 95, .	3.4	12
31	<i>Opisthorchis viverrini</i> Infection Induces Metabolic and Fecal Microbial Disturbances in Association with Liver and Kidney Pathologies in Hamsters. <i>Journal of Proteome Research</i> , 2021, 20, 3940-3951.	3.7	12
32	Investigation of the interaction between (â)â€œepigallocatechinâ€œgallate with trypsin and Î±â€œchymotrypsin. <i>International Journal of Food Science and Technology</i> , 2013, 48, 2340-2347.	2.7	11
33	Lung but not brain cancer cell malignancy inhibited by commonly used anesthetic propofol during surgery: Implication of reducing cancer recurrence risk. <i>Journal of Advanced Research</i> , 2021, 31, 1-12.	9.5	11
34	The -938A/A genotype of BCL2 gene is associated with esophageal cancer. <i>Medical Oncology</i> , 2012, 29, 2677-2683.	2.5	10
35	Identification of a novel cofilin-related molecule (Der f 31) as an allergen from <i>Dermatophagoides farinae</i> . <i>Immunobiology</i> , 2018, 223, 246-251.	1.9	10
36	Reduced allergenicity of β -lactoglobulin in vitro by tea catechins binding. <i>Food and Agricultural Immunology</i> , 2013, 24, 305-313.	1.4	9

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37	Effects of Vancomycin and Ciprofloxacin on the NMRI Mouse Metabolism. <i>Journal of Proteome Research</i> , 2018, 17, 3565-3573.	3.7	8
38	Monophosphoryl lipid A directly regulates Th1 cytokine production in human CD4+ T-cells through Toll-like receptor 2 and 4. <i>Immunobiology</i> , 2021, 226, 152132.	1.9	8
39	Metabonomic Investigation of Biological Effects of a New Vessel Target Protein tTF-pHLIP in a Mouse Model. <i>Journal of Proteome Research</i> , 2020, 19, 238-247.	3.7	7
40	Characterization of Der f 29, a new allergen from <i>dermatophagoides farinae</i> . <i>American Journal of Translational Research (discontinued)</i> , 2015, 7, 1303-13.	0.0	7
41	Thiol peroxiredoxin, a novel allergen from , modulates functions of macrophages and dendritic cells. <i>American Journal of Translational Research (discontinued)</i> , 2016, 8, 5320-5329.	0.0	7
42	Insights into the mechanism of drug resistance: X-ray structure analysis of multi-drug resistant HIV-1 protease ritonavir complex. <i>Biochemical and Biophysical Research Communications</i> , 2013, 431, 232-238.	2.1	6
43	Systematic Analysis of the Pharmacological Effects of Alcoholic Components in Maotai. <i>Journal of Food Science</i> , 2019, 84, 1949-1956.	3.1	6
44	Important Role of Immunological Responses to Environmental Exposure in the Development of Allergic Asthma. <i>Allergy, Asthma and Immunology Research</i> , 2020, 12, 934.	2.9	6
45	P1 and P1â€² para-fluoro phenyl groups show enhanced binding and favorable predicted pharmacological properties: Structure-based virtual screening of extended lopinavir analogs against multi-drug resistant HIV-1 protease. <i>Journal of Molecular Graphics and Modelling</i> , 2014, 47, 18-24.	2.4	5
46	A Subset of Roux-en-Y Gastric Bypass Bacterial Consortium Colonizes the Gut of Nonsurgical Rats without Inducing Host-Microbe Metabolic Changes. <i>MSystems</i> , 2020, 5, .	3.8	5
47	Application of Traditional Chinese Medicine and Systems Pharmacology in Drug Prevention and Treatment against COVID-19. <i>The American Journal of Chinese Medicine</i> , 2021, 49, 1045-1061.	3.8	4
48	A biochemical comparison of the lung, colonic, brain, renal, and ovarian cancer cell lines using 1H-NMR spectroscopy. <i>Bioscience Reports</i> , 2020, 40, .	2.4	4
49	Cancer Therapy: A Multifunctional Nanoplatfrom against Multidrug Resistant Cancer: Merging the Best of Targeted Chemo/Gene/Photothermal Therapy (Adv. Funct. Mater. 45/2017). <i>Advanced Functional Materials</i> , 2017, 27, .	14.9	3
50	Glutaminyl cyclase inhibitor contributes to the regulation of HSP70, HSP90, actin, and ribosome on gene and protein levels in vitro. <i>Journal of Cellular Biochemistry</i> , 2019, 120, 9460-9471.	2.6	3
51	Effect of activation of Toll-like receptor 7 in the inhibition of allergic asthma on a mouse model. <i>American Journal of Translational Research (discontinued)</i> , 2017, 9, 2143-2152.	0.0	3
52	Propofol inhibits cancer malignancy by disturbing glucose metabolism through hypoxia-inducible factor-1 α and pigment epithelium-derived factor modulation. <i>British Journal of Anaesthesia</i> , 2019, 123, e499-e500.	3.4	1
53	OP21 COVID-19 vaccine-induced antibody responses are impaired in Inflammatory Bowel Disease patients treated with infliximab, ustekinumab or tofacitinib, but not thiopurines or vedolizumab. <i>Journal of Crohn's and Colitis</i> , 2022, 16, i022-i023.	1.3	1
54	P001 Immune checkpoint inhibitor-induced colitis is mediated by polyfunctional lymphocytes and is dependent on the IL23/IFN γ axis. <i>Journal of Crohn's and Colitis</i> , 2022, 16, i135-i135.	1.3	1

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55	Opisthorchis viverrini infection induces metabolic disturbances in hamsters fed with high fat/high fructose diets: Implications for liver and kidney pathologies. <i>Journal of Nutritional Biochemistry</i> , 2022, 107, 109053.	4.2	1
56	644 IDENTIFICATION OF NOVEL CHANGES IN MICROBIALLY-DERIVED METABOLITES AFTER FECAL MICROBIOTA TRANSPLANT FOR RECURRENT CLOSTRIDIODES DIFFICILE INFECTION. <i>Gastroenterology</i> , 2020, 158, S-138-S-139.	1.3	0
57	Sa1923 IDENTIFICATION OF NEW ASSOCIATIONS BETWEEN PSORIATIC ARTHRITIS AND THE GUT MICROBIOTA, A PHENOMIC STUDY. <i>Gastroenterology</i> , 2020, 158, S-481.	1.3	0
58	P060 Unravelling the microbial-derived metabolic alterations in a T-bet ^{-/-} x RAG2 ^{-/-} mouse colitis model. <i>Journal of Crohn's and Colitis</i> , 2022, 16, i168-i171.	1.3	0