

Zhen Zhao

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

4,166
citations

331259

21
h-index

174990

52
g-index

74
all docs

74
docs citations

74
times ranked

9201
citing authors

#	ARTICLE	IF	CITATIONS
1	Evolution of antibody immunity to SARS-CoV-2. <i>Nature</i> , 2021, 591, 639-644.	13.7	1,355
2	Naturally enhanced neutralizing breadth against SARS-CoV-2 one year after infection. <i>Nature</i> , 2021, 595, 426-431.	13.7	610
3	The Osteogenic Niche Promotes Early-Stage Bone Colonization of Disseminated Breast Cancer Cells. <i>Cancer Cell</i> , 2015, 27, 193-210.	7.7	308
4	Nanoplasmonic quantification of tumour-derived extracellular vesicles in plasma microsamples for diagnosis and treatment monitoring. <i>Nature Biomedical Engineering</i> , 2017, 1, .	11.6	282
5	Association of Age With SARS-CoV-2 Antibody Response. <i>JAMA Network Open</i> , 2021, 4, e214302.	2.8	159
6	Features of Autoimmune Hepatitis in Patients With Drug-induced Liver Injury. <i>Clinical Gastroenterology and Hepatology</i> , 2017, 15, 103-112.e2.	2.4	144
7	Antibody Responses to SARS-CoV-2 mRNA Vaccines Are Detectable in Saliva. <i>Pathogens and Immunity</i> , 2021, 6, 116-134.	1.4	112
8	Antibody Response to Coronavirus Disease 2019 (COVID-19) Messenger RNA Vaccination in Pregnant Women and Transplacental Passage Into Cord Blood. <i>Obstetrics and Gynecology</i> , 2021, 138, 278-280.	1.2	106
9	Quantification of circulating <i>Mycobacterium tuberculosis</i> antigen peptides allows rapid diagnosis of active disease and treatment monitoring. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 3969-3974.	3.3	93
10	Chemoresistance Transmission via Exosome-Mediated EphA2 Transfer in Pancreatic Cancer. <i>Theranostics</i> , 2018, 8, 5986-5994.	4.6	91
11	Routine Laboratory Blood Tests Predict SARS-CoV-2 Infection Using Machine Learning. <i>Clinical Chemistry</i> , 2020, 66, 1396-1404.	1.5	84
12	Extracellular vesicles as cancer liquid biopsies: from discovery, validation, to clinical application. <i>Lab on A Chip</i> , 2019, 19, 1114-1140.	3.1	70
13	Targeting Brain-Adaptive Cancer Stem Cells Prohibits Brain Metastatic Colonization of Triple-Negative Breast Cancer. <i>Cancer Research</i> , 2018, 78, 2052-2064.	0.4	56
14	Epithelial derived CTGF promotes breast tumor progression via inducing EMT and collagen I fibers deposition. <i>Oncotarget</i> , 2015, 6, 25320-25338.	0.8	43
15	SARS-CoV-2 antibody characterization in emergency department, hospitalized and convalescent patients by two semi-quantitative immunoassays. <i>Clinica Chimica Acta</i> , 2020, 509, 117-125.	0.5	42
16	Severe acute respiratory syndrome coronavirus 2 serology levels in pregnant women and their neonates. <i>American Journal of Obstetrics and Gynecology</i> , 2021, 225, 73.e1-73.e7.	0.7	38
17	Eltrombopag mobilizes iron in patients with aplastic anemia. <i>Blood</i> , 2018, 131, 2399-2402.	0.6	30
18	Is measurement of TT3 by immunoassay reliable at low concentrations? A comparison of the Roche Cobas 6000 vs. LC-MS/MS. <i>Clinical Biochemistry</i> , 2016, 49, 846-849.	0.8	28

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19	Reference intervals of trimester-specific thyroid stimulating hormone and free thyroxine in Chinese women established by experimental and statistical methods. <i>Journal of Clinical Laboratory Analysis</i> , 2018, 32, e22344.	0.9	26
20	Clinical significance of blue-green neutrophil and monocyte cytoplasmic inclusions in SARS-CoV-2 positive critically ill patients. <i>British Journal of Haematology</i> , 2020, 190, e89-e92.	1.2	24
21	Cytokine signatures of end organ injury in COVID-19. <i>Scientific Reports</i> , 2021, 11, 12606.	1.6	24
22	Postconvalescent SARS-CoV-2 IgG and Neutralizing Antibodies are Elevated in Individuals with Poor Metabolic Health. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021, 106, e2025-e2034.	1.8	22
23	Testing-on-a-probe biosensors reveal association of early SARS-CoV-2 total antibodies and surrogate neutralizing antibodies with mortality in COVID-19 patients. <i>Biosensors and Bioelectronics</i> , 2021, 178, 113008.	5.3	21
24	Sensitive tracking of circulating viral RNA through all stages of SARS-CoV-2 infection. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	21
25	Antigen 85B peptidomic analysis allows species-specific mycobacterial identification. <i>Clinical Proteomics</i> , 2018, 15, 1.	1.1	20
26	Red blood cells donated by smokers: A pilot investigation of recipient transfusion outcomes. <i>Transfusion</i> , 2019, 59, 2537-2543.	0.8	20
27	Rapid, robust, and sustainable antibody responses to mRNA COVID-19 vaccine in convalescent COVID-19 individuals. <i>JCI Insight</i> , 2021, 6, .	2.3	18
28	Inadequate Reporting of Analytical Characteristics of Biomarkers Used in Clinical Research: A Threat to Interpretation and Replication of Study Findings. <i>Clinical Chemistry</i> , 2019, 65, 1554-1562.	1.5	15
29	Rapid diagnosis of new and relapse tuberculosis by quantification of a circulating antigen in HIV-infected adults in the Greater Houston metropolitan area. <i>BMC Medicine</i> , 2017, 15, 188.	2.3	13
30	Quantitative proteomics reveal the protective effects of EDS against osteoarthritis via attenuating inflammation and modulating immune response. <i>Journal of Ethnopharmacology</i> , 2021, 271, 113780.	2.0	13
31	Characterizing the angiogenic activity of patients with single ventricle physiology and aortopulmonary collateral vessels. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2016, 151, 1126-1135.e2.	0.4	12
32	COVID-19 Viral and Serology Testing in New York City Health Care Workers. <i>American Journal of Clinical Pathology</i> , 2020, 154, 592-595.	0.4	12
33	Rapid identification and discrimination of methicillin-resistant <i>Staphylococcus aureus</i> strains via matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2021, 35, e8972.	0.7	12
34	TOP-Plus Is a Versatile Biosensor Platform for Monitoring SARS-CoV-2 Antibody Durability. <i>Clinical Chemistry</i> , 2021, 67, 1249-1258.	1.5	12
35	A diagnostic platform for rapid, simultaneous quantification of procalcitonin and C-reactive protein in human serum. <i>EBioMedicine</i> , 2022, 76, 103867.	2.7	12
36	Detection of non-criteria autoantibodies in women without apparent causes for pregnancy loss. <i>Journal of Clinical Laboratory Analysis</i> , 2019, 33, e22994.	0.9	10

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37	Neuroendocrine response to GABA-B receptor agonism in alcohol-dependent individuals: Results from a combined outpatient and human laboratory experiment. <i>Neuropharmacology</i> , 2018, 137, 230-239.	2.0	8
38	Dye-free spectrophotometric measurement of nucleic acid-to-protein ratio for cell-selective extracellular vesicle discrimination. <i>Biosensors and Bioelectronics</i> , 2021, 179, 113058.	5.3	8
39	Plasma Levels of Complement Factor I and C4b Peptides Are Associated with HIV Suppression. <i>ACS Infectious Diseases</i> , 2017, 3, 880-885.	1.8	8
40	Evaluation of hemoglobin A1c measurement by Capillarys 2 electrophoresis for detection of abnormal glucose tolerance in African immigrants to the United States. <i>Clinica Chimica Acta</i> , 2015, 446, 54-60.	0.5	6
41	The Diagnostic Accuracy Of Procalcitonin for Urinary Tract Infection in Hospitalized Older Adults: a Prospective Study. <i>Journal of General Internal Medicine</i> , 2022, 37, 3663-3669.	1.3	6
42	Nanotrap-enabled quantification of KRAS-induced peptide hydroxylation in blood for cancer early detection. <i>Nano Research</i> , 2019, 12, 1445-1452.	5.8	5
43	A primate model of severe malarial anaemia: a comparative pathogenesis study. <i>Scientific Reports</i> , 2019, 9, 18965.	1.6	5
44	Predictive values of various serum biomarkers in women with suspected preeclampsia: A prospective study. <i>Journal of Clinical Laboratory Analysis</i> , 2021, 35, e23740.	0.9	5
45	No increase in the incidence of cardiac troponin I concentration above the 99th percentile by Siemens Centaur high-sensitivity compared to the contemporary assay. <i>Clinical Biochemistry</i> , 2021, 89, 77-80.	0.8	5
46	Reply. <i>Clinical Gastroenterology and Hepatology</i> , 2016, 14, 1845-1846.	2.4	4
47	Eucommia, Cuscuta, and Drynaria Extracts Ameliorate Glucocorticoid-Induced Osteoporosis by Inhibiting Osteoclastogenesis Through PI3K/Akt Pathway. <i>Frontiers in Pharmacology</i> , 2021, 12, 772944.	1.6	4
48	Measurements of SARS-CoV-2 antibody dissociation rate constant by chaotrope-free biolayer interferometry in serum of COVID-19 convalescent patients. <i>Biosensors and Bioelectronics</i> , 2022, 209, 114237.	5.3	4
49	Learning to Detect Monoclonal Protein in Electrophoresis Images. , 2021, , .		4
50	miR-181c regulates MCL1 and cell survival in GATA2 deficient cells. <i>Journal of Leukocyte Biology</i> , 2022, 111, 805-816.	1.5	3
51	Differential processing of high-molecular-weight kininogen during normal pregnancy. <i>Rapid Communications in Mass Spectrometry</i> , 2020, 34, e8552.	0.7	1
52	Machine Learning Highlights Downtrending of COVID-19 Patients with a Distinct Laboratory Profile. <i>Health Data Science</i> , 2021, 2021, .	1.1	1
53	An Interesting Case of Isolated False-Reactive Hepatitis B Surface Antigen. <i>Case Reports in Hepatology</i> , 2021, 2021, 1-3.	0.4	1
54	Call for Action: Journals Need to Insist on Full Reporting of the Analytical Characteristics of Biomarkers. <i>Laboratory Medicine</i> , 2021, 52, 7-9.	0.8	1

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55	Characteristics of natural immunity to SARS-CoV-2 over time in wait-listed dialysis patients and recent kidney transplant recipients. <i>Nephrology Dialysis Transplantation</i> , 2022, , .	0.4	1
56	Is This Patient Pregnant?. <i>Clinical Chemistry</i> , 2016, 62, 1163-1164.	1.5	0
57	A 31-Year-Old Woman with Consecutive Pregnancy Losses. <i>Clinical Chemistry</i> , 2018, 64, 777-780.	1.5	0
58	11010 The diagnostic accuracy of procalcitonin for urinary tract infection in hospitalized older adults. <i>Journal of Clinical and Translational Science</i> , 2021, 5, 28-29.	0.3	0
59	A rare case of persistent pseudohypobicarbonatemia arising from chemistry analyzer-specific interference. <i>Clinica Chimica Acta</i> , 2021, 519, 308-310.	0.5	0
60	Robust antibody response in children to acute COVID-19 infection and lasts for months. <i>Journal of Pediatrics</i> , 2022, 240, 310-313.	0.9	0
61	Delivery prediction by quantitative analysis of four steroid metabolites with liquid chromatography tandem mass spectrometry in asymptomatic pregnant women. <i>Annals of Medicine</i> , 2022, 54, 1150-1159.	1.5	0