

Zhen Zhao

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

63
papers

2,216
citations

19
h-index

47
g-index

74
ext. papers

3,409
ext. citations

7.3
avg, IF

5.11
L-index

#	Paper	IF	Citations
63	The Diagnostic Accuracy Of Procalcitonin for Urinary Tract Infection in Hospitalized Older Adults: a Prospective Study.. <i>Journal of General Internal Medicine</i> , 2022 , 1	4	1
62	Robust antibody response in children to acute COVID-19 infection and lasts for months.. <i>Journal of Pediatrics</i> , 2022 , 240, 310-313	3.6	
61	A diagnostic platform for rapid, simultaneous quantification of procalcitonin and C-reactive protein in human serum.. <i>EBioMedicine</i> , 2022 , 76, 103867	8.8	0
60	Measurements of SARS-CoV-2 antibody dissociation rate constant by chaotrope-free bilayer interferometry in serum of COVID-19 convalescent patients.. <i>Biosensors and Bioelectronics</i> , 2022 , 209, 114237	11.8	0
59	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		
58	Eucommia, Cuscuta, and Drynaria Extracts Ameliorate Glucocorticoid-Induced Osteoporosis by Inhibiting Osteoclastogenesis Through PI3K/Akt Pathway.. <i>Frontiers in Pharmacology</i> , 2021 , 12, 772944	5.6	1
57	Call for Action: Journals Need to Insist on Full Reporting of the Analytical Characteristics of Biomarkers. <i>Laboratory Medicine</i> , 2021 , 52, 7-9	1.6	
56	Evolution of Antibody Immunity to SARS-CoV-2 2021 ,		43
55	Antibody responses to SARS-CoV-2 mRNA vaccines are detectable in saliva 2021 ,		14
54	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	3.5	2
53	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	0.4	
52	Association of Age With SARS-CoV-2 Antibody Response. <i>JAMA Network Open</i> , 2021 , 4, e214302	10.4	65
51	TOP-Plus Is a Versatile Biosensor Platform for Monitoring SARS-CoV-2 Antibody Durability. <i>Clinical Chemistry</i> , 2021 , 67, 1249-1258	5.5	5
50	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	11.8	13
49	Sensitive tracking of circulating viral RNA through all stages of SARS-CoV-2 infection. <i>Journal of Clinical Investigation</i> , 2021 , 131,	15.9	8
48	Dye-free spectrophotometric measurement of nucleic acid-to-protein ratio for cell-selective extracellular vesicle discrimination. <i>Biosensors and Bioelectronics</i> , 2021 , 179, 113058	11.8	0
47	Naturally enhanced neutralizing breadth to SARS-CoV-2 after one year 2021 ,		19

46	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	5	3
45	A rare case of persistent pseudohypobicarbonatemia arising from chemistry analyzer-specific interference. <i>Clinica Chimica Acta</i> , 2021 , 519, 308-310	6.2	
44	Cytokine signatures of end organ injury in COVID-19. <i>Scientific Reports</i> , 2021 , 11, 12606	4.9	12
43	Naturally enhanced neutralizing breadth against SARS-CoV-2 one year after infection. <i>Nature</i> , 2021 , 595, 426-431	50.4	247
42	Machine Learning Highlights Downtrending of COVID-19 Patients with a Distinct Laboratory Profile. <i>Health Data Science</i> , 2021 , 2021, 1-9		
41	Antibody Responses to SARS-CoV-2 mRNA Vaccines Are Detectable in Saliva. <i>Pathogens and Immunity</i> , 2021 , 6, 116-134	4.9	47
40	An Interesting Case of Isolated False-Reactive Hepatitis B Surface Antigen. <i>Case Reports in Hepatology</i> , 2021 , 2021, 9928098	0.9	
39	Rapid identification and discrimination of methicillin-resistant Staphylococcus aureus strains via matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2021 , 35, e8972	2.2	5
38	Evolution of antibody immunity to SARS-CoV-2. <i>Nature</i> , 2021 , 591, 639-644	50.4	652
37	Predictive values of various serum biomarkers in women with suspected preeclampsia: A prospective study. <i>Journal of Clinical Laboratory Analysis</i> , 2021 , 35, e23740	3	3
36	TOP-Plus is a Versatile Biosensor Platform for Monitoring SARS-CoV-2 Antibody Durability 2021 ,		2
35	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	5.6	14
34	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	6.4	19
33	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	4.9	32
32	Rapid, robust, and sustainable antibody responses to mRNA COVID-19 vaccine in convalescent COVID-19 individuals. <i>JCI Insight</i> , 2021 , 6,	9.9	4
31	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	4.5	10
30	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	6.2	34
29	Testing-on-a-probe biosensors reveal association of early SARS-CoV-2 total antibodies and surrogate neutralizing antibodies with mortality in COVID-19 patients 2020 ,		10

28	COVID-19 Viral and Serology Testing in New York City Health Care Workers. <i>American Journal of Clinical Pathology</i> , 2020 , 154, 592-595	1.9	7
27	Routine Laboratory Blood Tests Predict SARS-CoV-2 Infection Using Machine Learning. <i>Clinical Chemistry</i> , 2020 , 66, 1396-1404	5.5	44
26	Differential processing of high-molecular-weight kininogen during normal pregnancy. <i>Rapid Communications in Mass Spectrometry</i> , 2020 , 34 Suppl 1, e8552	2.2	
25	Red blood cells donated by smokers: A pilot investigation of recipient transfusion outcomes. <i>Transfusion</i> , 2019 , 59, 2537-2543	2.9	12
24	Nanotrap-enabled quantification of KRAS-induced peptide hydroxylation in blood for cancer early detection. <i>Nano Research</i> , 2019 , 12, 1445-1452	10	3
23	Extracellular vesicles as cancer liquid biopsies: from discovery, validation, to clinical application. <i>Lab on A Chip</i> , 2019 , 19, 1114-1140	7.2	45
22	Detection of non-criteria autoantibodies in women without apparent causes for pregnancy loss. <i>Journal of Clinical Laboratory Analysis</i> , 2019 , 33, e22994	3	5
21	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	5.5	7
20	A primate model of severe malarial anaemia: a comparative pathogenesis study. <i>Scientific Reports</i> , 2019 , 9, 18965	4.9	3
19	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	5.5	6
18	Eltrombopag mobilizes iron in patients with aplastic anemia. <i>Blood</i> , 2018 , 131, 2399-2402	2.2	20
17	A 31-Year-Old Woman with Consecutive Pregnancy Losses. <i>Clinical Chemistry</i> , 2018 , 64, 777-780	5.5	
16	Targeting Brain-Adaptive Cancer Stem Cells Prohibits Brain Metastatic Colonization of Triple-Negative Breast Cancer. <i>Cancer Research</i> , 2018 , 78, 2052-2064	10.1	36
15	Antigen 85B peptidomic analysis allows species-specific mycobacterial identification. <i>Clinical Proteomics</i> , 2018 , 15, 1	5	12
14	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	3	20
13	Chemoresistance Transmission via Exosome-Mediated EphA2 Transfer in Pancreatic Cancer. <i>Theranostics</i> , 2018 , 8, 5986-5994	12.1	56
12	Features of Autoimmune Hepatitis in Patients With Drug-induced Liver Injury. <i>Clinical Gastroenterology and Hepatology</i> , 2017 , 15, 103-112.e2	6.9	100
11	Nanoplasmonic Quantification of Tumor-derived Extracellular Vesicles in Plasma Microsamples for Diagnosis and Treatment Monitoring. <i>Nature Biomedical Engineering</i> , 2017 , 1,	19	210

10	Quantification of circulating 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	11.5	62
9	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	11.4	8
8	Plasma Levels of Complement Factor I and C4b Peptides Are Associated with HIV Suppression. <i>ACS Infectious Diseases</i> , 2017 , 3, 880-885	5.5	4
7	Characterizing the angiogenic activity of patients with single ventricle physiology and aortopulmonary collateral vessels. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2016 , 151, 1126-35.e2 ^{1.5}		6
6	Is measurement of TT3 by immunoassay reliable at low concentrations? A comparison of the Roche Cobas 6000 vs. LC-MSMS. <i>Clinical Biochemistry</i> , 2016 , 49, 846-9	3.5	16
5	Is This Patient Pregnant?. <i>Clinical Chemistry</i> , 2016 , 62, 1163-4	5.5	
4	Reply. <i>Clinical Gastroenterology and Hepatology</i> , 2016 , 14, 1845-1846	6.9	3
3	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	6.2	5
2	Epithelial derived CTGF promotes breast tumor progression via inducing EMT and collagen I fibers deposition. <i>Oncotarget</i> , 2015 , 6, 25320-38	3.3	26
1	The osteogenic niche promotes early-stage bone colonization of disseminated breast cancer cells. <i>Cancer Cell</i> , 2015 , 27, 193-210	24.3	235