

Tong-Yu Zhu

List of Publications by Year in descending order

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Version: 2024-02-01

98
papers

3,576
citations

201674

27
h-index

161849

54
g-index

106
all docs

106
docs citations

106
times ranked

8073
citing authors

#	ARTICLE	IF	CITATIONS
1	Clinical progression of patients with COVID-19 in Shanghai, China. <i>Journal of Infection</i> , 2020, 80, e1-e6.	3.3	627
2	Virus-Host Interactome and Proteomic Survey Reveal Potential Virulence Factors Influencing SARS-CoV-2 Pathogenesis. <i>Med</i> , 2021, 2, 99-112.e7.	4.4	252
3	Evaluating the Association of Clinical Characteristics With Neutralizing Antibody Levels in Patients Who Have Recovered From Mild COVID-19 in Shanghai, China. <i>JAMA Internal Medicine</i> , 2020, 180, 1356.	5.1	211
4	Genome-wide mapping of 5-hydroxymethylcytosines in circulating cell-free DNA as a non-invasive approach for early detection of hepatocellular carcinoma. <i>Gut</i> , 2019, 68, 2195-2205.	12.1	180
5	CT quantification of pneumonia lesions in early days predicts progression to severe illness in a cohort of COVID-19 patients. <i>Theranostics</i> , 2020, 10, 5613-5622.	10.0	166
6	Blood molecular markers associated with COVID-19 immunopathology and multi-organ damage. <i>EMBO Journal</i> , 2020, 39, e105896.	7.8	123
7	Non-active antibiotic and bacteriophage synergism to successfully treat recurrent urinary tract infection caused by extensively drug-resistant <i>Klebsiella pneumoniae</i> . <i>Emerging Microbes and Infections</i> , 2020, 9, 771-774.	6.5	99
8	Resveratrol Alleviates Inflammatory Responses and Oxidative Stress in Rat Kidney Ischemia-Reperfusion Injury and H ₂ O ₂ -Induced NRK-52E Cells via the Nrf2/TLR4/NF- κ B Pathway. <i>Cellular Physiology and Biochemistry</i> , 2018, 45, 1677-1689.	1.6	97
9	The mTOR signal regulates myeloid-derived suppressor cells differentiation and immunosuppressive function in acute kidney injury. <i>Cell Death and Disease</i> , 2017, 8, e2695-e2695.	6.3	81
10	Pre-optimized phage therapy on secondary <i>Acinetobacter baumannii</i> infection in four critical COVID-19 patients. <i>Emerging Microbes and Infections</i> , 2021, 10, 612-618.	6.5	80
11	COVID-19 infection: the China and Italy perspectives. <i>Cell Death and Disease</i> , 2020, 11, 438.	6.3	76
12	Circular RNA Expression Profiling Identifies Prostate Cancer- Specific circRNAs in Prostate Cancer. <i>Cellular Physiology and Biochemistry</i> , 2018, 50, 1903-1915.	1.6	70
13	The transcription factor Foxm1 is essential for the quiescence and maintenance of hematopoietic stem cells. <i>Nature Immunology</i> , 2015, 16, 810-818.	14.5	68
14	Calcineurin inhibitors cyclosporin A and tacrolimus protect against podocyte injury induced by puromycin aminonucleoside in rodent models. <i>Scientific Reports</i> , 2016, 6, 32087.	3.3	58
15	Erythropoietin protects against rhabdomyolysis-induced acute kidney injury by modulating macrophage polarization. <i>Cell Death and Disease</i> , 2017, 8, e2725-e2725.	6.3	56
16	A novel proteolysis-resistant cyclic helix B peptide ameliorates kidney ischemia reperfusion injury. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2014, 1842, 2306-2317.	3.8	45
17	Twist2 promotes kidney cancer cell proliferation and invasion by regulating ITGA6 and CD44 expression in the ECM-receptor interaction pathway. <i>OncoTargets and Therapy</i> , 2016, 9, 1801.	2.0	45
18	Characterization of <i>Klebsiella pneumoniae</i> ST11 Isolates and Their Interactions with Lytic Phages. <i>Viruses</i> , 2019, 11, 1080.	3.3	45

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19	Serum-stabilized Naked Caspase-3 siRNA Protects Autotransplant Kidneys in a Porcine Model. <i>Molecular Therapy</i> , 2014, 22, 1817-1828.	8.2	41
20	A Frameshift Mutation in wcaJ Associated with Phage Resistance in <i>Klebsiella pneumoniae</i> . <i>Microorganisms</i> , 2020, 8, 378.	3.6	38
21	The role of inflammatory cytokines and ERK1/2 signaling in chronic prostatitis/chronic pelvic pain syndrome with related mental health disorders. <i>Scientific Reports</i> , 2016, 6, 28608.	3.3	37
22	A novel cytoprotective peptide protects mesenchymal stem cells against mitochondrial dysfunction and apoptosis induced by starvation via Nrf2/Sirt3/FoxO3a pathway. <i>Journal of Translational Medicine</i> , 2017, 15, 33.	4.4	37
23	Cyclic helix B peptide inhibits ischemia reperfusion-induced renal fibrosis via the PI3K/Akt/FoxO3a pathway. <i>Journal of Translational Medicine</i> , 2015, 13, 355.	4.4	36
24	Exosomes Derived From Mesenchymal Stem Cells Ameliorate Renal Ischemic-Reperfusion Injury Through Inhibiting Inflammation and Cell Apoptosis. <i>Frontiers in Medicine</i> , 2019, 6, 269.	2.6	35
25	Zika virus infects renal proximal tubular epithelial cells with prolonged persistency and cytopathic effects. <i>Emerging Microbes and Infections</i> , 2017, 6, 1-7.	6.5	34
26	Influencing Factors of New-Onset Diabetes after a Renal Transplant and Their Effects on Complications and Survival Rate. <i>PLoS ONE</i> , 2014, 9, e99406.	2.5	32
27	Snai1-induced partial epithelial-mesenchymal transition orchestrates p53-p21-mediated G2/M arrest in the progression of renal fibrosis via NF- κ B-mediated inflammation. <i>Cell Death and Disease</i> , 2021, 12, 44.	6.3	30
28	An open-label, randomized trial of the combination of IFN- γ plus TFF2 with standard care in the treatment of patients with moderate COVID-19. <i>EclinicalMedicine</i> , 2020, 27, 100547.	7.1	29
29	Portable integrated digital PCR system for the point-of-care quantification of BK virus from urine samples. <i>Biosensors and Bioelectronics</i> , 2021, 175, 112908.	10.1	29
30	Heterogeneous <i>Klebsiella pneumoniae</i> Co-infections Complicate Personalized Bacteriophage Therapy. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 608402.	3.9	26
31	Cyclic Helix B Peptide in Preservation Solution and Autologous Blood Perfusate Ameliorates Ischemia-Reperfusion Injury in Isolated Porcine Kidneys. <i>Transplantation Direct</i> , 2015, 1, 1-9.	1.6	24
32	Complement Inhibitor CR1g/FH Ameliorates Renal Ischemia Reperfusion Injury via Activation of PI3K/AKT Signaling. <i>Journal of Immunology</i> , 2018, 201, 3717-3730.	0.8	24
33	Epidemiology and clinical course of COVID-19 in Shanghai, China. <i>Emerging Microbes and Infections</i> , 2020, 9, 1537-1545.	6.5	24
34	TRPM7 in CHBP-induced renoprotection upon ischemia reperfusion-related injury. <i>Scientific Reports</i> , 2018, 8, 5510.	3.3	22
35	Novel sarbecovirus bispecific neutralizing antibodies with exceptional breadth and potency against currently circulating SARS-CoV-2 variants and sarbecoviruses. <i>Cell Discovery</i> , 2022, 8, 36.	6.7	22
36	Fighting against kidney diseases with small interfering RNA: opportunities and challenges. <i>Journal of Translational Medicine</i> , 2015, 13, 39.	4.4	20

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37	Transplantation of Telocytes Attenuates Unilateral Ureter Obstruction-Induced Renal Fibrosis in Rats. <i>Cellular Physiology and Biochemistry</i> , 2018, 46, 2056-2071.	1.6	20
38	A clinical pilot study on the safety and efficacy of aerosol inhalation treatment of IFN- β plus TFF2 in patients with moderate COVID-19. <i>EclinicalMedicine</i> , 2020, 25, 100478.	7.1	20
39	β -Catenin Is a Candidate Therapeutic Target for Myeloid Neoplasms with del(5q). <i>Cancer Research</i> , 2017, 77, 4116-4126.	0.9	19
40	Endothelial Cells in Antibody-Mediated Rejection of Kidney Transplantation: Pathogenesis Mechanisms and Therapeutic Implications. <i>Journal of Immunology Research</i> , 2017, 2017, 1-9.	2.2	19
41	Phage therapy for secondary bacterial infections with COVID-19. <i>Current Opinion in Virology</i> , 2022, 52, 9-14.	5.4	19
42	Proteome Analysis of Renoprotection Mediated by a Novel Cyclic Helix B Peptide in Acute Kidney Injury. <i>Scientific Reports</i> , 2016, 5, 18045.	3.3	18
43	Prediction of renal allograft chronic rejection using a model based on contrast-enhanced ultrasonography. <i>Microcirculation</i> , 2019, 26, e12544.	1.8	18
44	Correlation Between Early Plasma Interleukin 37 Responses With Low Inflammatory Cytokine Levels and Benign Clinical Outcomes in Severe Acute Respiratory Syndrome Coronavirus 2 Infection. <i>Journal of Infectious Diseases</i> , 2021, 223, 568-580.	4.0	17
45	Changes in N-acetylglucosaminyltransferase III, IV and V in renal cell carcinoma. <i>Journal of Cancer Research and Clinical Oncology</i> , 1997, 123, 296-299.	2.5	15
46	Prediction of Renal Allograft Acute Rejection Using a Novel Non-Invasive Model Based on Acoustic Radiation Force Impulse. <i>Ultrasound in Medicine and Biology</i> , 2016, 42, 2167-2179.	1.5	15
47	Molecular analyses of prostate tumors for diagnosis of malignancy on fine-needle aspiration biopsies. <i>Oncotarget</i> , 2017, 8, 104761-104771.	1.8	15
48	BK polyomavirus infection promotes growth and aggressiveness in bladder cancer. <i>Virology Journal</i> , 2020, 17, 139.	3.4	15
49	Erythropoietin Derived Peptide Improved Endoplasmic Reticulum Stress and Ischemia-Reperfusion Related Cellular and Renal Injury. <i>Frontiers in Medicine</i> , 2020, 7, 5.	2.6	15
50	A new method for classifying different phenotypes of kidney transplantation. <i>Cell Biology and Toxicology</i> , 2016, 32, 323-332.	5.3	14
51	miR-9 upregulation leads to inhibition of erythropoiesis by repressing FoxO3. <i>Scientific Reports</i> , 2018, 8, 6519.	3.3	14
52	Identifying the Risk of SARS-CoV-2 Infection and Environmental Monitoring in Airborne Infectious Isolation Rooms (AIIRs). <i>Virologica Sinica</i> , 2020, 35, 785-792.	3.0	14
53	Hymecromone: a clinical prescription hyaluronan inhibitor for efficiently blocking COVID-19 progression. <i>Signal Transduction and Targeted Therapy</i> , 2022, 7, 91.	17.1	14
54	Protective effects of cyclic helix B peptide on aristolochic acid induced acute kidney injury. <i>Biomedicine and Pharmacotherapy</i> , 2017, 94, 1167-1175.	5.6	13

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55	Identification of Specific Long Non-Coding Ribonucleic Acid Signatures and Regulatory Networks in Prostate Cancer in Fine-Needle Aspiration Biopsies. <i>Frontiers in Genetics</i> , 2020, 11, 62.	2.3	13
56	Advances of Contrast-Enhanced Ultrasonography and Elastography in Kidney Transplantation: From Microscopic to Microcosmic. <i>Ultrasound in Medicine and Biology</i> , 2021, 47, 177-184.	1.5	13
57	Mini-Flank Supra-12th Rib Incision for Open Partial Nephrectomy Compared with Laparoscopic Partial Nephrectomy and Traditional Open Partial Nephrectomy. <i>PLoS ONE</i> , 2014, 9, e89155.	2.5	12
58	Cyclic helix B peptide protects HK-2 cells from oxidative stress by inhibiting ER stress and activating Nrf2 signalling and autophagy. <i>Molecular Medicine Reports</i> , 2017, 16, 8055-8061.	2.4	12
59	From Erythropoietin to Its Peptide Derivatives: Smaller but Stronger. <i>Current Protein and Peptide Science</i> , 2017, 18, 1191-1194.	1.4	12
60	Network analysis reveals roles of inflammatory factors in different phenotypes of kidney transplant patients. <i>Journal of Theoretical Biology</i> , 2014, 362, 62-68.	1.7	11
61	Cyclic helix B peptide ameliorates acute myocardial infarction in mice by inhibiting apoptosis and inflammatory responses. <i>Cell Death Discovery</i> , 2019, 5, 78.	4.7	11
62	Potent Therapy and Transcriptional Profile of Combined Erythropoietin-Derived Peptide Cyclic Helix B Surface Peptide and Caspase-3 siRNA against Kidney Ischemia/Reperfusion Injury in Mice. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2020, 375, 92-103.	2.5	11
63	Cyclic helix B peptide ameliorates renal tubulointerstitial fibrosis induced by unilateral ureter obstruction via inhibiting NLRP3 pathway. <i>Annals of Translational Medicine</i> , 2020, 8, 167-167.	1.7	11
64	Potential of Therapeutic Bacteriophages in Nosocomial Infection Management. <i>Frontiers in Microbiology</i> , 2021, 12, 638094.	3.5	11
65	Effects of preoperative hepatitis B virus infection, hepatitis C virus infection, and coinfection on the development of new-onset diabetes after kidney transplantation. <i>Journal of Diabetes</i> , 2019, 11, 370-378.	1.8	10
66	Major histocompatibility complexes are up-regulated in glomerular endothelial cells via activation of Jun N-terminal kinase in 5/6 nephrectomy mice. <i>British Journal of Pharmacology</i> , 2020, 177, 5131-5147.	5.4	10
67	Glomerular Endothelial Cells Are the Coordinator in the Development of Diabetic Nephropathy. <i>Frontiers in Medicine</i> , 2021, 8, 655639.	2.6	10
68	Early- and late-onset severe pneumonia after renal transplantation. <i>International Journal of Clinical and Experimental Medicine</i> , 2015, 8, 1324-32.	1.3	10
69	High-mobility group box 1 protein antagonizes the immunosuppressive capacity and therapeutic effect of mesenchymal stem cells in acute kidney injury. <i>Journal of Translational Medicine</i> , 2020, 18, 175.	4.4	9
70	Role of β -adducin in actin cytoskeleton rearrangements in podocyte pathophysiology. <i>American Journal of Physiology - Renal Physiology</i> , 2021, 320, F97-F113.	2.7	9
71	Inhibition of histone methyltransferase EZH2 ameliorates early acute renal allograft rejection in rats. <i>BMC Immunology</i> , 2016, 17, 41.	2.2	8
72	A critical role of epigenetic inactivation of miR-9 in EVI1high pediatric AML. <i>Molecular Cancer</i> , 2019, 18, 30.	19.2	8

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73	Potential for jaktinib hydrochloride to treat cytokine storms in patients with COVID-19. <i>BioScience Trends</i> , 2020, 14, 161-167.	3.4	8
74	Kidney Organoids as a Novel Platform to Evaluate Lipopolysaccharide-Induced Oxidative Stress and Apoptosis in Acute Kidney Injury. <i>Frontiers in Medicine</i> , 2021, 8, 766073.	2.6	8
75	The mTOR Deficiency in Monocytic Myeloid-Derived Suppressor Cells Protects Mouse Cardiac Allografts by Inducing Allograft Tolerance. <i>Frontiers in Immunology</i> , 2021, 12, 661338.	4.8	7
76	Ischemia-Reperfusion Injury Reduces Kidney Folate Transporter Expression and Plasma Folate Levels. <i>Frontiers in Immunology</i> , 2021, 12, 678914.	4.8	7
77	The characteristics and genome analysis of vB_ApiP_XC38, a novel phage infecting <i>Acinetobacter pittii</i> . <i>Virus Genes</i> , 2020, 56, 498-507.	1.6	7
78	GC/MS-based urine metabolomics analysis of renal allograft recipients with acute rejection. <i>Journal of Translational Medicine</i> , 2018, 16, 202.	4.4	6
79	Sites of gastrointestinal lesion induced by mycophenolate mofetil: a comparison with enteric-coated mycophenolate sodium in rats. <i>BMC Pharmacology & Toxicology</i> , 2018, 19, 39.	2.4	6
80	Downregulation of endothelin A receptor (ETA _R) ameliorates renal ischemia reperfusion injury by increasing nitric oxide production. <i>Life Sciences</i> , 2019, 228, 295-304.	4.3	6
81	CHBP induces stronger immunosuppressive CD127 ⁺ M-MDSC via erythropoietin receptor. <i>Cell Death and Disease</i> , 2021, 12, 177.	6.3	6
82	Customer relationship management analysis of outpatients in a Chinese infectious disease hospital using drug-proportion recency-frequency-monetary model. <i>International Journal of Medical Informatics</i> , 2021, 147, 104373.	3.3	6
83	Isolation and Characterization of Novel Phages Targeting Pathogenic <i>Klebsiella pneumoniae</i> . <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 792305.	3.9	6
84	Evaluation of kidney allograft status using novel ultrasonic technologies. <i>Asian Journal of Urology</i> , 2015, 2, 142-150.	1.2	5
85	Sex differences in cardiovascular risk factors for myocardial infarction. <i>Herz</i> , 2021, 46, 115-122.	1.1	5
86	Intratumoral Fibrosis in Facilitating Renal Cancer Aggressiveness: Underlying Mechanisms and Promising Targets. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 651620.	3.7	5
87	Association between preoperative lipid profiles and new-onset diabetes after transplantation in Chinese kidney transplant recipients: A retrospective cohort study. <i>Journal of Clinical Laboratory Analysis</i> , 2021, 35, e23867.	2.1	5
88	Transcriptional profile changes after treatment of ischemia reperfusion injury-induced kidney fibrosis with 18 β -glycyrrhetic acid. <i>Renal Failure</i> , 2022, 44, 660-671.	2.1	5
89	A prediction model of delayed graft function in deceased donor for renal transplant: a multi-center study from China. <i>Renal Failure</i> , 2021, 43, 520-529.	2.1	3
90	Interleukin-2 receptor antagonists: Protective factors against new-onset diabetes after renal transplantation. <i>Journal of Diabetes</i> , 2018, 10, 857-865.	1.8	2

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91	Myeloid-derived suppressor cell (MDSC) key genes analysis in rat anti-CD28-induced immune tolerance kidney transplantation. <i>Translational Andrology and Urology</i> , 2021, 10, 204-214.	1.4	2
92	A Nomogram for Predicting BK Virus Activation in Kidney Transplantation Recipients Using Clinical Risk Factors. <i>Frontiers in Medicine</i> , 2022, 9, 770699.	2.6	2
93	Tolerance induction with donor hematopoietic stem cell infusion in kidney transplantation: a single-center experience in China with a 10-year follow-up. <i>Annals of Translational Medicine</i> , 2020, 8, 1378-1378.	1.7	1
94	Interactions between the Prophage 919TP and Its <i>Vibrio cholerae</i> Host: Implications of <i>gmd</i> Mutation for Phage Resistance, Cell Auto-Aggregation, and Motility. <i>Viruses</i> , 2021, 13, 2342.	3.3	1
95	Intracellular Low Iron Exerts Anti-BK Polyomavirus Effect by Inhibiting the Protein Synthesis of Exogenous Genes. <i>Microbiology Spectrum</i> , 2021, , e0109421.	3.0	1
96	Long-Term Protection of CHBP Against Combinational Renal Injury Induced by Both Ischemiaâ€“Reperfusion and Cyclosporine A in Mice. <i>Frontiers in Immunology</i> , 2021, 12, 697751.	4.8	0
97	Kidney hyperfusion upregulates major histocompatibility complex expression in glomerular endothelial cells through c-Jun N-terminal kinase. <i>FASEB Journal</i> , 2019, 33, 685.6.	0.5	0
98	Low molecular weight heparin reduces arterial blood lactic acid content and increases estimated glomerular filtration rate in patients with moderate Covid-19 pneumonia. <i>Chinese Medical Journal</i> , 2022, Publish Ahead of Print, 691-696.	2.3	0