

Richard Y Zhao

List of Publications by Year in descending order

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87
papers

2,591
citations

172457
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3988
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#	ARTICLE	IF	CITATIONS
1	Multisite Investigation of Outcomes With Implementation of CYP2C19 Genotype-Guided Antiplatelet Therapy After Percutaneous Coronary Intervention. <i>JACC: Cardiovascular Interventions</i> , 2018, 11, 181-191.	2.9	213
2	The Pharmacogenomics Research Network Translational Pharmacogenetics Program: Overcoming Challenges of Real-World Implementation. <i>Clinical Pharmacology and Therapeutics</i> , 2013, 94, 207-210.	4.7	164
3	Guidelines and recommendations on yeast cell death nomenclature. <i>Microbial Cell</i> , 2018, 5, 4-31.	3.2	158
4	Up-regulation of 14-3-3 η in Lung Cancer and Its Implication as Prognostic and Therapeutic Target. <i>Cancer Research</i> , 2007, 67, 7901-7906.	0.9	124
5	Blinded, Multicenter Comparison of Methods To Detect a Drug-Resistant Mutant of Human Immunodeficiency Virus Type 1 at Low Frequency. <i>Journal of Clinical Microbiology</i> , 2006, 44, 2612-2614.	3.9	104
6	Genetic Deletions in Sputum as Diagnostic Markers for Early Detection of Stage I Non-Small Cell Lung Cancer. <i>Clinical Cancer Research</i> , 2007, 13, 482-487.	7.0	91
7	Heat Shock Protein 70 Protects Cells from Cell Cycle Arrest and Apoptosis Induced by Human Immunodeficiency Virus Type 1 Viral Protein R. <i>Journal of Virology</i> , 2004, 78, 9697-9704.	3.4	85
8	Implementation of pharmacogenetics: The University of Maryland personalized antiplatelet pharmacogenetics program. <i>American Journal of Medical Genetics, Part C: Seminars in Medical Genetics</i> , 2014, 166, 76-84.	1.6	82
9	Viral infections and cell cycle G2/M regulation. <i>Cell Research</i> , 2005, 15, 143-149.	12.0	80
10	Roles of HIV-1 auxiliary proteins in viral pathogenesis and host-pathogen interactions. <i>Cell Research</i> , 2005, 15, 923-934.	12.0	65
11	Probing Molecular Insights into Zika Virus-Host Interactions. <i>Viruses</i> , 2018, 10, 233.	3.3	64
12	Understanding the Role of SARS-CoV-2 ORF3a in Viral Pathogenesis and COVID-19. <i>Frontiers in Microbiology</i> , 2022, 13, 854567.	3.5	58
13	Characterization of cytopathic factors through genome-wide analysis of the Zika viral proteins in fission yeast. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E376-E385.	7.1	56
14	Enhanced Fluorescence Images for Labeled Cells on Silver Island Films. <i>Langmuir</i> , 2008, 24, 12452-12457.	3.5	51
15	Single-Cell Fluorescence Imaging Using Metal Plasmon-Coupled Probe 2: Single-Molecule Counting on Lifetime Image. <i>Nano Letters</i> , 2008, 8, 1179-1186.	9.1	49
16	Fluorescence Intensity and Lifetime Cell Imaging with Luminescent Gold Nanoclusters. <i>Journal of Physical Chemistry C</i> , 2012, 116, 26561-26569.	3.1	47
17	Cell cycle G2/M arrest through an S phase-dependent mechanism by HIV-1 viral protein R. <i>Retrovirology</i> , 2010, 7, 59.	2.0	45
18	Vpr-Host Interactions During HIV-1 Viral Life Cycle. <i>Journal of NeuroImmune Pharmacology</i> , 2011, 6, 216-229.	4.1	39

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19	Quantification of Human Immunodeficiency Virus Type 1 Proviral DNA by Using TaqMan Technology. <i>Journal of Clinical Microbiology</i> , 2002, 40, 675-678.	3.9	38
20	Phosphatase Type 2A-dependent and -independent Pathways for ATR Phosphorylation of Chk1. <i>Journal of Biological Chemistry</i> , 2007, 282, 7287-7298.	3.4	37
21	Caffeine Inhibits Human Immunodeficiency Virus Type 1 Transduction of Nondividing Cells. <i>Journal of Virology</i> , 2005, 79, 2058-2065.	3.4	35
22	Fluorescent Avidin-Bound Silver Particle: A Strategy for Single Target Molecule Detection on a Cell Membrane. <i>Analytical Chemistry</i> , 2009, 81, 883-889.	6.5	35
23	Anti-Vpr Activities of Heat Shock Protein 27. <i>Molecular Medicine</i> , 2007, 13, 229-239.	4.4	34
24	Overexpression of Wilms Tumor 1 Gene as a Negative Prognostic Indicator in Acute Myeloid Leukemia. <i>PLoS ONE</i> , 2014, 9, e92470.	2.5	34
25	Suppressive effect of elongation factor 2 on apoptosis induced by HIV-1 viral protein R. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2006, 11, 377-388.	4.9	33
26	ATM-mediated Transcriptional Elevation of Prion in Response to Copper-induced Oxidative Stress. <i>Journal of Biological Chemistry</i> , 2009, 284, 4582-4593.	3.4	33
27	Interlaboratory concordance of DNA sequence analysis to detect reverse transcriptase mutations in HIV-1 proviral DNA. <i>Journal of Virological Methods</i> , 1998, 75, 93-104.	2.1	32
28	Yeast for virus research. <i>Microbial Cell</i> , 2017, 4, 311-330.	3.2	32
29	Doppel-induced apoptosis and counteraction by cellular prion protein in neuroblastoma and astrocytes. <i>Neuroscience</i> , 2006, 141, 1375-1388.	2.3	30
30	Effects of HIV-1 protease on cellular functions and their potential applications in antiretroviral therapy. <i>Cell and Bioscience</i> , 2012, 2, 32.	4.8	30
31	The Roles of prM-E Proteins in Historical and Epidemic Zika Virus-mediated Infection and Neurocytotoxicity. <i>Viruses</i> , 2019, 11, 157.	3.3	30
32	Functional conservation of HIV-1 Vpr and variability in a mother-child pair of long-term non-progressors. <i>Virus Research</i> , 2002, 89, 103-121.	2.2	29
33	HIV-1 Vpr-induced cell death in <i>Schizosaccharomyces pombe</i> is reminiscent of apoptosis. <i>Cell Research</i> , 2008, 18, 961-973.	12.0	28
34	Anti-Vpr Activity of a Yeast Chaperone Protein. <i>Journal of Virology</i> , 2004, 78, 11016-11029.	3.4	26
35	Human Immunodeficiency Virus Type 1 Vpr Induces Cell Cycle G ₂ Arrest through Srk1/MK2-Mediated Phosphorylation of Cdc25. <i>Journal of Virology</i> , 2008, 82, 2904-2917.	3.4	25
36	Involvement of rhp23, a <i>Schizosaccharomyces pombe</i> homolog of the human HHR23A and <i>Saccharomyces cerevisiae</i> RAD23 nucleotide excision repair genes, in cell cycle control and protein ubiquitination. <i>Nucleic Acids Research</i> , 2002, 30, 581-591.	14.5	24

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37	Doppel: More rival than double to prion. <i>Neuroscience</i> , 2006, 141, 1-8.	2.3	23
38	HIV-1 Vpr-Induced Proinflammatory Response and Apoptosis Are Mediated through the Sur1-Trpm4 Channel in Astrocytes. <i>MBio</i> , 2020, 11, .	4.1	22
39	Dividing roles of prion protein in staurosporine-mediated apoptosis. <i>Biochemical and Biophysical Research Communications</i> , 2006, 349, 759-768.	2.1	21
40	Oxidative stress induced by HIV-1 F34IVpr in <i>Schizosaccharomyces pombe</i> is one of its multiple functions. <i>Experimental and Molecular Pathology</i> , 2010, 88, 38-44.	2.1	20
41	Two Independent Epidemics of HIV in Maryland. <i>Journal of Acquired Immune Deficiency Syndromes</i> (1999), 2010, 54, 297-303.	2.1	19
42	A fission yeast homologue of the human uracil-DNA-glycosylase and their roles in causing DNA damage after overexpression. <i>Biochemical and Biophysical Research Communications</i> , 2003, 306, 693-700.	2.1	18
43	HIV-1 Viral Protein R (VPR) and its Interactions with Host Cell. <i>Current HIV Research</i> , 2009, 7, 178-183.	0.5	17
44	The Envelope Residues E152/156/158 of Zika Virus Influence the Early Stages of Virus Infection in Human Cells. <i>Cells</i> , 2019, 8, 1444.	4.1	17
45	HIV-1 viral protein R (Vpr) & host cellular responses. <i>Indian Journal of Medical Research</i> , 2005, 121, 270-86.	1.0	17
46	From molecular diagnostics to personalized testing. <i>Pharmacogenomics</i> , 2007, 8, 85-99.	1.3	15
47	Molecular characterization of HIV-1 genome in fission yeast <i>Schizosaccharomyces pombe</i> . <i>Cell and Bioscience</i> , 2015, 5, 47.	4.8	15
48	HIV-1 Protease in the Fission Yeast <i>Schizosaccharomyces pombe</i> . <i>PLoS ONE</i> , 2016, 11, e0151286.	2.5	15
49	Antagonistic interaction of HIV-1 Vpr with Hsf-mediated cellular heat shock response and Hsp16 in fission yeast (<i>Schizosaccharomyces pombe</i>). <i>Retrovirology</i> , 2007, 4, 16.	2.0	14
50	Genome-Wide Characterization of SARS-CoV-2 Cytopathogenic Proteins in the Search of Antiviral Targets. <i>MBio</i> , 2022, 13, e0016922.	4.1	14
51	Update on the laboratory diagnosis and monitoring of HIV infection. <i>Cell Research</i> , 2005, 15, 870-876.	12.0	13
52	Zeocin for selection of bleMX6 resistance in fission yeast. <i>BioTechniques</i> , 2011, 51, 57-60.	1.8	13
53	Clinical evaluation of Sofia Rapid Antigen Assay for detection of severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) among emergency department to hospital admissions. <i>Infection Control and Hospital Epidemiology</i> , 2022, 43, 968-973.	1.8	12
54	Interactions of HIV-1 Viral Protein R with Host Cell Proteins. <i>Advances in Pharmacology</i> , 2007, 55, 233-260.	2.0	11

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55	HIV-1 Replication through hHR23A-Mediated Interaction of Vpr with 26S Proteasome. PLoS ONE, 2010, 5, e11371.	2.5	10
56	Anti-Cancer Effect of HIV-1 Viral Protein R on Doxorubicin Resistant Neuroblastoma. PLoS ONE, 2010, 5, e11466.	2.5	10
57	Direct observation to chemokine receptor 5 on T-lymphocyte cell surface using fluorescent metal nanoprobe. Biochemical and Biophysical Research Communications, 2010, 400, 111-116.	2.1	10
58	A fission yeast cell-based system for multidrug resistant HIV-1 proteases. Cell and Bioscience, 2017, 7, 5.	4.8	10
59	A distinct class of plant and animal viral proteins that disrupt mitosis by directly interrupting the mitotic entry switch Wee1-Cdc25-Cdk1. Science Advances, 2020, 6, eaba3418.	10.3	10
60	Fission yeast homologue of Tip41-like proteins regulates type 2A phosphatases and responses to nitrogen sources. Biochimica Et Biophysica Acta - Molecular Cell Research, 2005, 1746, 155-162.	4.1	9
61	Detection of CXCR4 receptors on cell surface using a fluorescent metal nanoshell. Journal of Biomedical Optics, 2011, 16, 016011.	2.6	9
62	APOBEC3G-UBA2 fusion as a potential strategy for stable expression of APOBEC3G and inhibition of HIV-1 replication. Retrovirology, 2008, 5, 72.	2.0	8
63	A potential nuclear envelope-targeting domain and an arginine-rich RNA binding element identified in the putative movement protein of the GAV strain of Barley yellow dwarf virus. Functional Plant Biology, 2008, 35, 40.	2.1	8
64	Direct observation of chemokine receptors 5 on T-lymphocyte cell surfaces using fluorescent metal nanoprobe 2: Approximation of CCR5 populations. Biochemical and Biophysical Research Communications, 2011, 407, 63-67.	2.1	7
65	Molecular Cloning and Characterization of Small Viral Genome in Fission Yeast. Methods in Molecular Biology, 2018, 1721, 47-61.	0.9	7
66	Single-Agent and Fixed-Dose Combination HIV-1 Protease Inhibitor Drugs in Fission Yeast (<i>Schizosaccharomyces pombe</i>). Pathogens, 2021, 10, 804.	2.8	6
67	Genetic variation in parthenogenetic <i>Artemia</i> from the Shandong Peninsula, P.R.C.. Chinese Journal of Oceanology and Limnology, 1988, 6, 179-185.	0.7	5
68	Evolving Diversity of Hepatitis C Viruses in Yunnan Honghe, China. International Journal of Molecular Sciences, 2016, 17, 403.	4.1	5
69	A Multiplex Real-time PCR Method for Quantification of BK and JC Polyomaviruses in Renal Transplant Patients. Diagnostic Molecular Pathology, 2010, 19, 105-111.	2.1	4
70	Development of A Fission Yeast Cell-Based Platform for High Throughput Screening of HIV-1 Protease Inhibitors. Current HIV Research, 2020, 17, 429-440.	0.5	4
71	Comparison of HIV-1 Viral Load between Abbott m2000 and Roche COBAS TaqMan Methods. Journal of Antivirals & Antiretrovirals, 2010, 02, .	0.1	4
72	HIV-1 Accessory Proteins: Vpr. Methods in Molecular Biology, 2014, 1087, 125-134.	0.9	3

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73	From single cell gene-based diagnostics to diagnostic genomics: current applications and future perspectives. <i>Clinical Laboratory Science: Journal of the American Society for Medical Technology</i> , 2005, 18, 254-62.	0.1	3
74	An editorial overview: HIV/AIDS in China. <i>Cell Research</i> , 2005, 15, 821-822.	12.0	2
75	Metal nanoparticle fluorophore: a powerful fluorescence probe in single cell imaging. <i>Proceedings of SPIE</i> , 2010, , .	0.8	2
76	Metal plasmon-coupled fluorescence imaging and label free coenzyme detection in cells. <i>Biochemical and Biophysical Research Communications</i> , 2012, 425, 696-700.	2.1	2
77	Special Issue on HIV/AIDS: Infectious Disease Reports. <i>Gastroenterology Insights</i> , 2013, 5, 1.	1.2	2
78	Laboratory Testing for HIV Infection: Advances After 28 Years. , 2014, , 81-106.		2
79	Clinical evaluation of Roche COBAS [®] AmpliPrep/COBAS [®] TaqMan [®] CMV test using nonplasma samples. <i>Journal of Medical Virology</i> , 2018, 90, 1611-1619.	5.0	2
80	HIV-1 Vif protein mediates the degradation of APOBEC3G in fission yeast when over-expressed using codon optimization. <i>Virologica Sinica</i> , 2008, 23, 255-264.	3.0	1
81	Regulation of unbalanced redox homeostasis induced by the expression of wild-type HIV-1 viral protein R (NL4-3Vpr) in fission yeast. <i>Acta Biologica Hungarica</i> , 2015, 66, 326-338.	0.7	1
82	Improving Drug Sensitivity of HIV-1 Protease Inhibitors by Restriction of Cellular Efflux System in a Fission Yeast Model. <i>Pathogens</i> , 2022, 11, 804.	2.8	1
83	New viral markers and their detection methods for clinical studies of human immunodeficiency virus type 1 infection. <i>Clinical Immunology Newsletter</i> , 1994, 14, 95-100.	0.1	0
84	Commentary on "Prevalence and evolution of drug resistance HIV-1 variants in Henan, China". <i>Cell Research</i> , 2005, 15, 850-851.	12.0	0
85	Fluorescent metal nanoshell and CK19 detection on single cell image. <i>Biochemical and Biophysical Research Communications</i> , 2011, 413, 53-57.	2.1	0
86	229 HIV-1 Replication through hHR23A-Mediated Interaction of Vpr with 26S Proteasome. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , 2011, 56, 99.	2.1	0
87	Personalized Approach to Diagnosis and Treatment of Acute Myeloid Leukemia. , 2013, 03, .		0