

# Hirofumi Sawa

## List of Publications by Year in descending order

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337  
papers

14,199  
citations

28274

55  
h-index

30922

102  
g-index

352  
all docs

352  
docs citations

352  
times ranked

16753  
citing authors

#	ARTICLE	IF	CITATIONS
1	Massive Cell Death of Immature Hematopoietic Cells and Neurons in Bcl-x-Deficient Mice. <i>Science</i> , 1995, 267, 1506-1510.	12.6	1,106
2	Gold Nanoparticles as a Vaccine Platform: Influence of Size and Shape on Immunological Responses <i>in Vitro</i> and <i>in Vivo</i> . <i>ACS Nano</i> , 2013, 7, 3926-3938.	14.6	533
3	Transgenic expression of <i>Helicobacter pylori</i> CagA induces gastrointestinal and hematopoietic neoplasms in mouse. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 1003-1008.	7.1	525
4	Attenuated fusogenicity and pathogenicity of SARS-CoV-2 Omicron variant. <i>Nature</i> , 2022, 603, 700-705.	27.8	447
5	Chk2-deficient mice exhibit radioresistance and defective p53-mediated transcription. <i>EMBO Journal</i> , 2002, 21, 5195-5205.	7.8	399
6	Targeted disruption of Bcl-2 alpha beta in mice: occurrence of gray hair, polycystic kidney disease, and lymphocytopenia.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1994, 91, 3700-3704.	7.1	393
7	The sphingosine-1-phosphate transporter Spns2 expressed on endothelial cells regulates lymphocyte trafficking in mice. <i>Journal of Clinical Investigation</i> , 2012, 122, 1416-1426.	8.2	280
8	Virological characteristics of the SARS-CoV-2 Omicron BA.2 spike. <i>Cell</i> , 2022, 185, 2103-2115.e19.	28.9	273
9	Thymus-derived leukemia-lymphoma in mice transgenic for the Tax gene of human T-lymphotropic virus type I. <i>Nature Medicine</i> , 2006, 12, 466-472.	30.7	271
10	Discovery of S-217622, a Noncovalent Oral SARS-CoV-2 3CL Protease Inhibitor Clinical Candidate for Treating COVID-19. <i>Journal of Medicinal Chemistry</i> , 2022, 65, 6499-6512.	6.4	258
11	Synthetic Double-Stranded RNA Poly(I:C) Combined with Mucosal Vaccine Protects against Influenza Virus Infection. <i>Journal of Virology</i> , 2005, 79, 2910-2919.	3.4	254
12	The <i>Caenorhabditis elegans</i> gene lin-17, which is required for certain asymmetric cell divisions, encodes a putative seven-transmembrane protein similar to the <i>Drosophila</i> frizzled protein.. <i>Genes and Development</i> , 1996, 10, 2189-2197.	5.9	193
13	Drug-Induced Long-QT Syndrome Associated With a Subclinical SCN5A Mutation. <i>Circulation</i> , 2002, 106, 1269-1274.	1.6	182
14	Forkhead Transcription Factor FoxO1 in Adipose Tissue Regulates Energy Storage and Expenditure. <i>Diabetes</i> , 2008, 57, 563-576.	0.6	174
15	RIG-I triggers a signaling-abortive anti-SARS-CoV-2 defense in human lung cells. <i>Nature Immunology</i> , 2021, 22, 820-828.	14.5	169
16	Analysis of transforming activity of human synovial sarcoma-associated chimeric protein SYT-SSX1 bound to chromatin remodeling factor hBRM/hSNF2A. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001, 98, 3843-3848.	7.1	163
17	SARS-CoV-2 variants with mutations at the S1/S2 cleavage site are generated in vitro during propagation in TMPRSS2-deficient cells. <i>PLoS Pathogens</i> , 2021, 17, e1009233.	4.7	162
18	Induction of Plasminogen Activator Inhibitor Type-1 (PAI-1) by Proinsulin and Insulin <i>In Vivo</i> . <i>Circulation</i> , 1995, 91, 764-770.	1.6	157

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19	Hydrocephalus, Situs Inversus, Chronic Sinusitis, and Male Infertility in DNA Polymerase $\delta$ -Deficient Mice: Possible Implication for the Pathogenesis of Immotile Cilia Syndrome. <i>Molecular and Cellular Biology</i> , 2002, 22, 2769-2776.	2.3	131
20	CalDAG-GEFIII Activation of Ras, R-Ras, and Rap1. <i>Journal of Biological Chemistry</i> , 2000, 275, 25488-25493.	3.4	126
21	Cross-Protection against H5N1 Influenza Virus Infection Is Afforded by Intranasal Inoculation with Seasonal Trivalent Inactivated Influenza Vaccine. <i>Journal of Infectious Diseases</i> , 2007, 196, 1313-1320.	4.0	122
22	The Human Polyoma JC Virus Agnoprotein Acts as a Viroporin. <i>PLoS Pathogens</i> , 2010, 6, e1000801.	4.7	114
23	Detection of B.1.351 SARS-CoV-2 Variant Strain in Zambia, December 2020. <i>Morbidity and Mortality Weekly Report</i> , 2021, 70, 280-282.	15.1	114
24	A Novel Dynamamin-associating Molecule, Formin-binding Protein 17, Induces Tubular Membrane Invaginations and Participates in Endocytosis. <i>Journal of Biological Chemistry</i> , 2004, 279, 40091-40099.	3.4	105
25	Modulation of collagen fibrillogenesis by tenascin-X and type VI collagen. <i>Experimental Cell Research</i> , 2004, 298, 305-315.	2.6	105
26	SARS-CoV-2 inhibits induction of the MHC class I pathway by targeting the STAT1-IRF1-NLRC5 axis. <i>Nature Communications</i> , 2021, 12, 6602.	12.8	104
27	EphA4-Mediated Rho Activation via Vsm-RhoGEF Expressed Specifically in Vascular Smooth Muscle Cells. <i>Circulation Research</i> , 2003, 93, 23-31.	4.5	103
28	Neuropathological and molecular studies of spinocerebellar ataxia type 6 (SCA6). <i>Acta Neuropathologica</i> , 1998, 95, 199-204.	7.7	101
29	Endothelin stimulates angiotensin I to angiotensin II conversion in cultured pulmonary artery endothelial cells. <i>Journal of Molecular and Cellular Cardiology</i> , 1990, 22, 839-842.	1.9	100
30	Oligosaccharides as Receptors for JC Virus. <i>Journal of Virology</i> , 2002, 76, 12992-13000.	3.4	99
31	Induction of chromosomal instability in colonic cells by the human polyomavirus JC virus. <i>Cancer Research</i> , 2003, 63, 7256-62.	0.9	97
32	Pertussis toxin-sensitive signal controls the trafficking of thymocytes across the corticomedullary junction in the thymus. <i>Journal of Immunology</i> , 1999, 162, 5981-5.	0.8	96
33	Seroepidemiological Prevalence of Multiple Species of Filoviruses in Fruit Bats ( <i>Eidolon</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	4.0	94
34	Intranasal immunization with H5N1 vaccine plus Poly I:Poly C12U, a Toll-like receptor agonist, protects mice against homologous and heterologous virus challenge. <i>Microbes and Infection</i> , 2007, 9, 1333-1340.	1.9	87
35	The agnoprotein of polyomaviruses: A multifunctional auxiliary protein. <i>Journal of Cellular Physiology</i> , 2005, 204, 1-7.	4.1	81
36	Gold Nanoparticle Arrangement on Viral Particles through Carbohydrate Recognition: A Non-Cross-Linking Approach to Optical Virus Detection. <i>Bioconjugate Chemistry</i> , 2009, 20, 1848-1852.	3.6	80

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37	Diagnosis of Synovial Sarcoma with the Reverse Transcriptase-Polymerase Chain Reaction. <i>Diagnostic Molecular Pathology</i> , 1998, 7, 102-110.	2.1	78
38	Quantitation of Varicella-Zoster Virus DNA in Patients with Ramsay Hunt Syndrome and Zoster Sine Herpete. <i>Journal of Clinical Microbiology</i> , 2001, 39, 2856-2859.	3.9	78
39	Expression of the angiotensinogen gene and localization of its protein in the human heart.. <i>Circulation</i> , 1992, 86, 138-146.	1.6	77
40	Flavivirus Encephalitis. <i>Veterinary Pathology</i> , 2010, 47, 806-818.	1.7	77
41	DOCK2 associates with CrkL and regulates Rac1 in human leukemia cell lines. <i>Blood</i> , 2002, 100, 3968-3974.	1.4	76
42	Angiotensin-Converting Enzyme Inhibition Attenuates Hypofibrinolysis and Reduces Cardiac Perivascular Fibrosis in Genetically Obese Diabetic Mice. <i>Circulation</i> , 2001, 103, 3123-3128.	1.6	71
43	Expression of the Oligodendroglial Lineage-Associated Markers Olig1 and Olig2 in Different Types of Human Gliomas. <i>Journal of Neuropathology and Experimental Neurology</i> , 2003, 62, 1052-1059.	1.7	70
44	Paternal H3K4 methylation is required for minor zygotic gene activation and early mouse embryonic development. <i>EMBO Reports</i> , 2015, 16, 803-812.	4.5	69
45	Dissociation of heterochromatin protein 1 from lamin B receptor induced by human polyomavirus agnoprotein: role in nuclear egress of viral particles. <i>EMBO Reports</i> , 2005, 6, 452-457.	4.5	67
46	Large T Antigen Promotes JC Virus Replication in G2-arrested Cells by Inducing ATM- and ATR-mediated G2 Checkpoint Signaling. <i>Journal of Biological Chemistry</i> , 2010, 285, 1544-1554.	3.4	67
47	Lamprey TLRs with Properties Distinct from Those of the Variable Lymphocyte Receptors. <i>Journal of Immunology</i> , 2007, 178, 397-406.	0.8	65
48	Axonal guidance protein FEZ1 associates with tubulin and kinesin motor protein to transport mitochondria in neurites of NGF-stimulated PC12 cells. <i>Biochemical and Biophysical Research Communications</i> , 2007, 361, 605-610.	2.1	64
49	Inhibition of the SDF-1 $\beta$ -CXCR4 axis by the CXCR4 antagonist AMD3100 suppresses the migration of cultured cells from ATL patients and murine lymphoblastoid cells from HTLV-I Tax transgenic mice. <i>Blood</i> , 2009, 114, 2961-2968.	1.4	64
50	Identification of FEZ1 as a Protein That Interacts with JC Virus Agnoprotein and Microtubules. <i>Journal of Biological Chemistry</i> , 2005, 280, 24948-24956.	3.4	62
51	Broad Distribution of the JC Virus Receptor Contrasts with a Marked Cellular Restriction of Virus Replication. <i>Virology</i> , 2001, 286, 100-112.	2.4	60
52	Gab family proteins are essential for postnatal maintenance of cardiac function via neuregulin-1/ErbB signaling. <i>Journal of Clinical Investigation</i> , 2007, 117, 1771-1781.	8.2	60
53	Potentialiation by hypercholesterolemia of the induction of aortic intramural synthesis of plasminogen activator inhibitor type 1 by endothelial injury.. <i>Circulation Research</i> , 1993, 73, 671-680.	4.5	58
54	Molecular and immunohistochemical analysis of signaling adaptor protein Crk in human cancers. <i>Cancer Letters</i> , 2002, 180, 55-61.	7.2	58

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55	Novel Arenavirus, Zambia. <i>Emerging Infectious Diseases</i> , 2011, 17, 1921-1924.	4.3	57
56	Distribution and function of JCV agnoprotein. <i>Journal of NeuroVirology</i> , 2001, 7, 302-306.	2.1	56
57	Clinico-pathological features of pilomyxoid astrocytoma of the optic pathway. <i>Acta Neuropathologica</i> , 2004, 108, 109-14.	7.7	56
58	Protection against influenza virus infection by intranasal administration of hemagglutinin vaccine with chitin microparticles as an adjuvant. <i>Journal of Medical Virology</i> , 2005, 75, 130-136.	5.0	55
59	Involvement of adaptor protein Crk in malignant feature of human ovarian cancer cell line MCAS. <i>Oncogene</i> , 2006, 25, 3547-3556.	5.9	55
60	Adaptor Molecule Crk Is Required for Sustained Phosphorylation of Grb2-Associated Binder 1 and Hepatocyte Growth Factor-Induced Cell Motility of Human Synovial Sarcoma Cell Lines. <i>Molecular Cancer Research</i> , 2006, 4, 499-510.	3.4	55
61	R-Ras Regulates Exocytosis by Rgl2/Rlf-mediated Activation of RalA on Endosomes. <i>Molecular Biology of the Cell</i> , 2007, 18, 1850-1860.	2.1	55
62	Expression of vascular endothelial growth factor in human myocardial infarction. <i>Heart and Vessels</i> , 1996, 11, 113-122.	1.2	54
63	Augmentation of Arterial Endothelial Cell Expression of the Plasminogen Activator Inhibitor Type-1 (PAI-1) Gene by Proinsulin and Insulin <i>in vivo</i> . <i>Journal of Molecular and Cellular Cardiology</i> , 1998, 30, 1535-1543.	1.9	54
64	Increased intramural expression of plasminogen activator inhibitor type 1 after balloon injury: A potential progenitor of restenosis. <i>Journal of the American College of Cardiology</i> , 1994, 24, 1742-1748.	2.8	51
65	Nuclear Entry Mechanism of the Human Polyomavirus JC Virus-like Particle. <i>Journal of Biological Chemistry</i> , 2004, 279, 27735-27742.	3.4	51
66	Intranasal administration of adjuvant-combined recombinant influenza virus HA vaccine protects mice from the lethal H5N1 virus infection. <i>Microbes and Infection</i> , 2006, 8, 2706-2714.	1.9	51
67	The Role of Heparan Sulfate Proteoglycans as an Attachment Factor for Rabies Virus Entry and Infection. <i>Journal of Infectious Diseases</i> , 2018, 217, 1740-1749.	4.0	50
68	TMPRSS11D and TMPRSS13 Activate the SARS-CoV-2 Spike Protein. <i>Viruses</i> , 2021, 13, 384.	3.3	50
69	Elmo1 inhibits ubiquitylation of Dock180. <i>Journal of Cell Science</i> , 2006, 119, 923-932.	2.0	49
70	Expression of JC virus agnoprotein in progressive multifocal leukoencephalopathy brain. <i>Acta Neuropathologica</i> , 2002, 104, 130-136.	7.7	48
71	Protection against influenza virus infection by intranasal administration of C3d-fused hemagglutinin. <i>Vaccine</i> , 2003, 21, 4532-4538.	3.8	48
72	A SARS-CoV-2 antibody broadly neutralizes SARS-related coronaviruses and variants by coordinated recognition of a virus-vulnerable site. <i>Immunity</i> , 2021, 54, 2385-2398.e10.	14.3	46

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73	Modulation of expression of monocyte/macrophage plasminogen activator activity and its implications for attenuation of vasculopathy.. <i>Circulation</i> , 1994, 90, 1927-1934.	1.6	45
74	Advanced Glycation End Products Induce Angiogenesis in Vivo. <i>Microvascular Research</i> , 2002, 63, 186-195.	2.5	44
75	The Nuclear Import of the Human T Lymphotropic Virus Type I (HTLV-1) Tax Protein Is Carrier- and Energy-independent. <i>Journal of Biological Chemistry</i> , 2007, 282, 13875-13883.	3.4	44
76	Transcellular transport of West Nile virus-like particles across human endothelial cells depends on residues 156 and 159 of envelope protein. <i>BMC Microbiology</i> , 2010, 10, 165.	3.3	43
77	Augmented arterial wall expression of type-1 plasminogen activator inhibitor induced by thrombosis.. <i>Arteriosclerosis and Thrombosis: A Journal of Vascular Biology</i> , 1992, 12, 1507-1515.	3.9	42
78	Adaptor Protein Crk Induces Src-Dependent Activation of p38 MAPK in Regulation of Synovial Sarcoma Cell Proliferation. <i>Molecular Cancer Research</i> , 2009, 7, 1582-1592.	3.4	41
79	Involvement of EphA2-mediated tyrosine phosphorylation of Shp2 in Shp2-regulated activation of extracellular signal-regulated kinase. <i>Oncogene</i> , 2013, 32, 5292-5301.	5.9	41
80	A nairovirus isolated from African bats causes haemorrhagic gastroenteritis and severe hepatic disease in mice. <i>Nature Communications</i> , 2014, 5, 5651.	12.8	41
81	Cloning and Characterization of a Rat Ortholog of MMP-23 (Matrix Metalloproteinase-23), a Unique Type of Membrane-Anchored Matrix Metalloproteinase and Conditioned Switching of Its Expression during the Ovarian Follicular Development. <i>Molecular Endocrinology</i> , 2001, 15, 747-764.	3.7	40
82	Autophagy inhibits viral genome replication and gene expression stages in West Nile virus infection. <i>Virus Research</i> , 2014, 191, 83-91.	2.2	40
83	JC Virus Encephalopathy Is Associated with a Novel Agnoprotein-Deletion JCV Variant. <i>PLoS ONE</i> , 2012, 7, e35793.	2.5	39
84	Distinct Lineages of Bufavirus in Wild Shrews and Nonhuman Primates. <i>Emerging Infectious Diseases</i> , 2015, 21, 1230-1233.	4.3	39
85	Orthopoxvirus infection among wildlife in Zambia. <i>Journal of General Virology</i> , 2015, 96, 390-394.	2.9	39
86	Effect of endothelin on angiotensin converting enzyme activity in cultured pulmonary artery endothelial cells. <i>Journal of Hypertension</i> , 1991, 9, 171-174.	0.5	37
87	Molecular surveillance and phylogenetic analysis of Old World arenaviruses in Zambia. <i>Journal of General Virology</i> , 2012, 93, 2247-2251.	2.9	37
88	Infection with JC Virus and Possible Dysplastic Ganglion-Like Transformation of the Cerebral Cortical Neurons in a Case of Progressive Multifocal Leukoencephalopathy. <i>Journal of Neuropathology and Experimental Neurology</i> , 2000, 59, 921-929.	1.7	36
89	HHV8-negative primary effusion lymphoma of the peritoneal cavity presenting with a distinct immunohistochemical phenotype. <i>Pathology International</i> , 2001, 51, 293-300.	1.3	36
90	Inhibition of Virus Production in JC Virus-Infected Cells by Postinfection RNA Interference. <i>Journal of Virology</i> , 2004, 78, 7270-7273.	3.4	36

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91	The Unique Phylogenetic Position of a Novel Tick-Borne Phlebovirus Ensures an Ixodid Origin of the Genus <i>Phlebovirus</i> . <i>MSphere</i> , 2018, 3, .	2.9	36
92	Differentially expressed genes associated with CIS-diamminedichloroplatinum (II) resistance in head and neck cancer using differential display and CDNA microarray. <i>Head and Neck</i> , 2003, 25, 187-193.	2.0	35
93	Human-animal anthrax outbreak in the Luangwa valley of Zambia in 2011. <i>Tropical Doctor</i> , 2012, 42, 136-139.	0.5	35
94	Molecular detection of a novel paramyxovirus in fruit bats from Indonesia. <i>Virology Journal</i> , 2012, 9, 240.	3.4	35
95	Phospholipid metabolism in cardiomyopathic hamster heart cells.. <i>Circulation Research</i> , 1991, 69, 1015-1021.	4.5	34
96	DOCK2 mediates T cell receptor-induced activation of Rac2 and IL-2 transcription. <i>Biochemical and Biophysical Research Communications</i> , 2002, 296, 716-720.	2.1	34
97	Induction of cross-protective immunity against influenza A virus H5N1 by an intranasal vaccine with extracts of mushroom mycelia. <i>Journal of Medical Virology</i> , 2010, 82, 128-137.	5.0	34
98	Equine major histocompatibility complex class I molecules act as entry receptors that bind to equine herpesvirus-1 glycoprotein D. <i>Genes To Cells</i> , 2011, 16, 343-357.	1.2	34
99	Detection and characterization of a novel polyomavirus in wild rodents. <i>Journal of General Virology</i> , 2011, 92, 789-795.	2.9	34
100	Metagenomic analysis of the shrew enteric virome reveals novel viruses related to human stool-associated viruses. <i>Journal of General Virology</i> , 2015, 96, 440-452.	2.9	34
101	Development of a rapid and quantitative method for the analysis of viral entry and release using a NanoLuc luciferase complementation assay. <i>Virus Research</i> , 2018, 243, 69-74.	2.2	34
102	Dysferlinopathy associated with rigid spine syndrome. <i>Neuropathology</i> , 2004, 24, 341-346.	1.2	33
103	Viroporin activity of the JC polyomavirus is regulated by interactions with the adaptor protein complex 3. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 18668-18673.	7.1	33
104	SARS-CoV-2 Bearing a Mutation at the S1/S2 Cleavage Site Exhibits Attenuated Virulence and Confers Protective Immunity. <i>MBio</i> , 2021, 12, e0141521.	4.1	33
105	Inhibition of Endothelial Cell Expression of Plasminogen Activator Inhibitor Type-1 by Gemfibrozil. <i>Thrombosis and Haemostasis</i> , 1993, 70, 642-647.	3.4	33
106	Coronary Reperfusion Following Ischemia. Different Expression of Bcl-2 and Bax Proteins, and Cardiomyocyte Apoptosis.. <i>International Heart Journal</i> , 2001, 42, 759-770.	0.6	32
107	Variable patterns of varicella-zoster virus reactivation in Ramsay hunt syndrome. <i>Journal of Medical Virology</i> , 2004, 74, 355-360.	5.0	32
108	Discovery of a novel antiviral agent targeting the nonstructural protein 4 (nsP4) of chikungunya virus. <i>Virology</i> , 2017, 505, 102-112.	2.4	32

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109	Valosin-containing protein (VCP/p97) plays a role in the replication of West Nile virus. <i>Virus Research</i> , 2017, 228, 114-123.	2.2	32
110	Transcriptional Activation of JC Virus by Human T-lymphotropic Virus Type I Tax Protein in Human Neuronal Cell Lines. <i>Journal of Biological Chemistry</i> , 2000, 275, 17016-17023.	3.4	31
111	An siRNA against JC virus (JCV) agnoprotein inhibits JCV infection in JCV-producing cells inoculated in nude mice. <i>Neuropathology</i> , 2008, 28, 286-294.	1.2	31
112	Induction of matrix metalloproteinase-2 by tenascin-X deficiency is mediated through the c-Jun N-terminal kinase and protein tyrosine kinase phosphorylation pathway. <i>Experimental Cell Research</i> , 2004, 297, 404-414.	2.6	30
113	Infectious entry of equine herpesvirus-1 into host cells through different endocytic pathways. <i>Virology</i> , 2009, 393, 198-209.	2.4	30
114	Population genetic analysis and sub-structuring of <i>Theileria parva</i> in the northern and eastern parts of Zambia. <i>Parasites and Vectors</i> , 2012, 5, 255.	2.5	30
115	Discovery of novel cyclic peptide inhibitors of dengue virus NS2B-NS3 protease with antiviral activity. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017, 27, 3586-3590.	2.2	30
116	A novel nairovirus associated with acute febrile illness in Hokkaido, Japan. <i>Nature Communications</i> , 2021, 12, 5539.	12.8	30
117	Induction of endothelial cell expression of the plasminogen activator inhibitor type 1 gene by thrombosis in vivo. <i>Circulation</i> , 1992, 86, 2000-2010.	1.6	29
118	Detection of human papillomavirus DNA in carcinomas of the nasal cavities and paranasal sinuses by polymerase chain reaction. <i>Cancer</i> , 1992, 69, 353-357.	4.1	29
119	Varicella-Zoster Virus Dna Level and Facial Paralysis in Ramsay Hunt Syndrome. <i>Annals of Otolaryngology, Rhinology and Laryngology</i> , 2004, 113, 700-705.	1.1	29
120	Molecular epidemiology and a loop-mediated isothermal amplification method for diagnosis of infection with rabies virus in Zambia. <i>Virus Research</i> , 2012, 163, 160-168.	2.2	29
121	Isolation and Characterization of a Novel Alphaherpesvirus in Fruit Bats. <i>Journal of Virology</i> , 2014, 88, 9819-9829.	3.4	29
122	Detection and characterization of zoonotic pathogens of free-ranging non-human primates from Zambia. <i>Parasites and Vectors</i> , 2014, 7, 490.	2.5	29
123	Molecular epidemiology of paramyxoviruses in Zambian wild rodents and shrews. <i>Journal of General Virology</i> , 2014, 95, 325-330.	2.9	29
124	Marburgvirus in Egyptian Fruit Bats, Zambia. <i>Emerging Infectious Diseases</i> , 2019, 25, 1577-1580.	4.3	29
125	Oral administration of an HSP90 inhibitor, 17-DMAG, intervenes tumor-cell infiltration into multiple organs and improves survival period for ATL model mice. <i>Blood Cancer Journal</i> , 2013, 3, e132-e132.	6.2	28
126	Rab8b Regulates Transport of West Nile Virus Particles from Recycling Endosomes. <i>Journal of Biological Chemistry</i> , 2016, 291, 6559-6568.	3.4	28



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127	West Nile virus capsid protein inhibits autophagy by AMP-activated protein kinase degradation in neurological disease development. <i>PLoS Pathogens</i> , 2020, 16, e1008238.	4.7	28
128	Crk Associates with ERM Proteins and Promotes Cell Motility toward Hyaluronic Acid. <i>Journal of Biological Chemistry</i> , 2004, 279, 46843-46850.	3.4	27
129	Proteomics- and Transcriptomics-Based Screening of Differentially Expressed Proteins and Genes in Brain of Wig Rat: A Model for Attention Deficit Hyperactivity Disorder (ADHD) Research. <i>Journal of Proteome Research</i> , 2008, 7, 2471-2489.	3.7	27
130	Expression of renin and angiotensin-converting enzyme in human hearts. <i>Heart and Vessels</i> , 1995, 10, 285-293.	1.2	26
131	Protection against influenza virus infection by intranasal vaccine with surf clam microparticles (SMP) as an adjuvant. <i>Journal of Medical Virology</i> , 2006, 78, 954-963.	5.0	26
132	Accumulation of ubiquitinated proteins is related to West Nile virus-induced neuronal apoptosis. <i>Neuropathology</i> , 2012, 32, 398-405.	1.2	26
133	Shape-dependent adjuvanticity of nanoparticle-conjugated RNA adjuvants for intranasal inactivated influenza vaccines. <i>RSC Advances</i> , 2018, 8, 16527-16536.	3.6	26
134	Mechanism of increased angiotensin-converting enzyme activity stimulated by platelet-activating factor. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1990, 1052, 503-508.	4.1	25
135	Phosphatidylinositol and inositolphosphatide metabolism in hypertrophied rat heart.. <i>Japanese Circulation Journal</i> , 1992, 56, 142-147.	1.0	25
136	Progressive Multifocal Leukoencephalopathy in a Patient with X-linked Agammaglobulinemia. <i>Scandinavian Journal of Infectious Diseases</i> , 2003, 35, 910-911.	1.5	25
137	Molecular epidemiology of pathogenic <i>Leptospira</i> spp. in the straw-colored fruit bat ( <i>Eidolon helvum</i> ) migrating to Zambia from the Democratic Republic of Congo. <i>Infection, Genetics and Evolution</i> , 2015, 32, 143-147.	2.3	25
138	Discovery of Mwinilunga alphavirus: A novel alphavirus in <i>Culex</i> mosquitoes in Zambia. <i>Virus Research</i> , 2018, 250, 31-36.	2.2	25
139	First COVID-19 case in Zambia – Comparative phylogenomic analyses of SARS-CoV-2 detected in African countries. <i>International Journal of Infectious Diseases</i> , 2021, 102, 455-459.	3.3	25
140	Inhibition of type-1 plasminogen activator inhibitor production by antisense oligonucleotides in human vascular endothelial and smooth muscle cells.. <i>Journal of Biological Chemistry</i> , 1994, 269, 14149-14152.	3.4	25
141	C-CAM expression in the developing rat central nervous system. <i>Developmental Brain Research</i> , 1994, 78, 35-43.	1.7	24
142	Detection of KI polyomavirus and WU polyomavirus DNA by real-time polymerase chain reaction in nasopharyngeal swabs and in normal lung and lung adenocarcinoma tissues. <i>Microbiology and Immunology</i> , 2011, 55, 525-530.	1.4	24
143	Distribution of atrial natriuretic peptide in the conduction system and ventricular muscles of the human heart. <i>Virchows Archiv A, Pathological Anatomy and Histopathology</i> , 1991, 418, 9-16.	1.4	23
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148	Putative RNA viral sequences detected in an Ixodes scapularis-derived cell line. <i>Ticks and Tick-borne Diseases</i> , 2017, 8, 103-111.	2.7	23
149	Tick-borne haemoparasites and Anaplasmataceae in domestic dogs in Zambia. <i>Ticks and Tick-borne Diseases</i> , 2018, 9, 988-995.	2.7	23
150	Characterization of influenza A viruses isolated from wild waterfowl in Zambia. <i>Journal of General Virology</i> , 2011, 92, 1416-1427.	2.9	23
151	Distribution of extracellular matrix tenascin-X in sciatic nerves. <i>Acta Neuropathologica</i> , 2002, 104, 448-454.	7.7	22
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290	Molecular Survey of Babesia and Anaplasma Infection in Cattle in Bolivia. <i>Veterinary Sciences</i> , 2021, 8, 188.	1.7	4
291	Novel Virulent Bacteriophage $\phi$ SG005, Which Infects <i>Streptococcus gordonii</i> , Forms a Distinct Clade among <i>Streptococcus</i> Viruses. <i>Viruses</i> , 2021, 13, 1964.	3.3	4
292	Influenza A and D Viruses in Non-Human Mammalian Hosts in Africa: A Systematic Review and Meta-Analysis. <i>Viruses</i> , 2021, 13, 2411.	3.3	4
293	Human polyomavirus agnoprotein disrupts the interaction between HP1 and LBR. <i>Journal of NeuroVirology</i> , 2004, 10, 33-33.	2.1	3
294	Alpha-Defensin Overexpression in Patients with Bell's Palsy and Ramsay Hunt Syndrome. <i>Annals of Otolaryngology, Rhinology and Laryngology</i> , 2012, 121, 419-425.	1.1	3
295	Pathological Examination of Lung Tissues in Influenza A Virus-Infected Mice. <i>Japanese Journal of Infectious Diseases</i> , 2012, 65, 383-391.	1.2	3
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301	Co-Circulation of Multiple Serotypes of Bluetongue Virus in Zambia. <i>Viruses</i> , 2020, 12, 963.	3.3	3
302	Interferon lambda rs368234815 G is associated with higher CD4+:CD8+ T-cell ratio in treated HIV-1 infection. <i>AIDS Research and Therapy</i> , 2020, 17, 13.	1.7	3
303	Prevalence and genetic diversity of Shibuyunji virus, a novel tick-borne phlebovirus identified in Zambia. <i>Archives of Virology</i> , 2021, 166, 915-919.	2.1	3
304	First Molecular Detection of <i>Coxiella burnetii</i> in Beef Cattle in West Java, Indonesia. <i>Japanese Journal of Infectious Diseases</i> , 2022, 75, 83-85.	1.2	3
305	Hepatitis E virus infection in pigs: a first report from Zambia. <i>Emerging Microbes and Infections</i> , 2021, 10, 2169-2172.	6.5	3
306	Synthesis and Anti-dengue Virus Activity of 5-Ethynylimidazole-4-carboxamide (EICA) Nucleotide Prodrugs. <i>Chemical and Pharmaceutical Bulletin</i> , 2022, 70, 220-225.	1.3	3

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308	Natalizumab has no direct biological effect on JC virus infectivity in permissive human neural cell lines. <i>Journal of Medical Virology</i> , 2010, 82, 1229-1235.	5.0	2
309	High expression of MeCP2 in JC virus-infected cells of progressive multifocal leukoencephalopathy brains. <i>Neuropathology</i> , 2011, 31, 38-41.	1.2	2
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320	Ganglioside Synthase Knockout Reduces Prion Disease Incubation Time in Mouse Models. <i>American Journal of Pathology</i> , 2019, 189, 677-686.	3.8	1
321	Serological Evidence of Filovirus Infection in Nonhuman Primates in Zambia. <i>Viruses</i> , 2021, 13, 1283.	3.3	1
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323	Serological characterization of lineage II insect-specific flaviviruses compared with pathogenic mosquito-borne flaviviruses. <i>Biochemical and Biophysical Research Communications</i> , 2022, 616, 115-121.	2.1	1
324	Mechanism of white matter damage caused by virus infection. <i>International Congress Series</i> , 2003, 1251, 139-147.	0.2	0

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327	Covalent bonded Gag multimers in human immunodeficiency virus type-1 particles. <i>Microbiology and Immunology</i> , 2009, 53, 609-620.	1.4	0
328	130th Reinhard Kurth Honorary Lecture HTLV-I and Adult T Cell Leukemia/Lymphoma (ATLL). <i>Journal of Acquired Immune Deficiency Syndromes</i> (1999), 2014, 65, 54.	2.1	0
329	Neurogenic Cardiomyopathy in Rabbits With Experimentally Induced Rabies. <i>Veterinary Pathology</i> , 2015, 52, 573-575.	1.7	0
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