Helder Imoto Nakaya

List of Publications by Year
in descending order

158 papers	14,941 citations	36203 51 h-index	21474 114 g-index
185 all docs	185 docs citations	185 times ranked	24174 citing authors

#	Article	IF	Citations
1	Defining CD8+ T cells that provide the proliferative burst after PD-1 therapy. Nature, 2016, 537, 417-421.	13.7	1,371
2	Systems biology approach predicts immunogenicity of the yellow fever vaccine in humans. Nature Immunology, 2009, 10, 116-125.	7.0	1,019
3	Programming the magnitude and persistence of antibody responses with innate immunity. Nature, 2011, 470, 543-547.	13.7	847
4	Systems biology of vaccination for seasonal influenza in humans. Nature Immunology, 2011, 12, 786-795.	7.0	749
5	Molecular signatures of antibody responses derived from a systems biology study of five human vaccines. Nature Immunology, 2014, 15, 195-204.	7.0	672
6	Elevated Glucose Levels Favor SARS-CoV-2 Infection and Monocyte Response through a HIF-1Î±/Glycolysis-Dependent Axis. Cell Metabolism, 2020, 32, 437-446.e5.	7.2	578
7	Activation of Î²-Catenin in Dendritic Cells Regulates Immunity Versus Tolerance in the Intestine. Science, 2010, 329, 849-853.	6.0	480
8	Evolution and epidemic spread of SARS-CoV-2 in Brazil. Science, 2020, 369, 1255-1260.	6.0	454
9	TLR5-Mediated Sensing of Gut Microbiota Is Necessary for Antibody Responses to Seasonal Influenza Vaccination. Immunity, 2014, 41, 478-492.	6.6	444
10	Defining antigen-specific plasmablast and memory B cell subsets in human blood after viral infection or vaccination. Nature Immunology, 2016, 17, 1226-1234.	7.0	348
11	Systems Vaccinology. Immunity, 2010, 33, 516-529.	6.6	343
12	ACE2 Expression Is Increased in the Lungs of Patients With Comorbidities Associated With Severe COVID-19. Journal of Infectious Diseases, 2020, 222, 556-563.	1.9	302
13	The T helper type 2 response to cysteine proteases requires dendritic cellâ€“basophil cooperation via ROS-mediated signaling. Nature Immunology, 2010, 11, 608-617.	7.0	287
14	Systems Analysis of Immunity to Influenza Vaccination across Multiple Years and in Diverse Populations Reveals Shared Molecular Signatures. Immunity, 2015, 43, 1186-1198.	6.6	286
15	Systems analysis of protective immune responses to RTS,S malaria vaccination in humans. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 2425-2430.	3.3	249
16	Metabolic Phenotypes of Response to Vaccination in Humans. Cell, 2017, 169, 862-877.e17.	13.5	234
17	The amino acid sensor GCN2 controls gut inflammation by inhibiting inflammasome activation. Nature, 2016, 531, 523-527.	13.7	221
18	Dengue Virus Infection Induces Expansion of a CD14+CD16+ Monocyte Population that Stimulates Plasmablast Differentiation. Cell Host and Microbe, 2014, 16, 115-127.	5.1	220

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19	CEMiTool: a Bioconductor package for performing comprehensive modular co-expression analyses. BMC Bioinformatics, 2018, 19, 56.	1.2	215
20	Phenotype, Function, and Gene Expression Profiles of Programmed Death-1hi CD8 T Cells in Healthy Human Adults. Journal of Immunology, 2011, 186, 4200-4212.	0.4	211
21	Genome mapping and expression analyses of human intronic noncoding RNAs reveal tissue-specific patterns and enrichment in genes related to regulation of transcription. Genome Biology, 2007, 8, R43.	13.9	209
22	Vaccine Activation of the Nutrient Sensor GCN2 in Dendritic Cells Enhances Antigen Presentation. Science, 2014, 343, 313-317.	6.0	181
23	The Intronic Long Noncoding RNA ANRASSF1 Recruits PRC2 to the RASSF1A Promoter, Reducing the Expression of RASSF1A and Increasing Cell Proliferation. PLoS Genetics, 2013, 9, e1003705.	1.5	180
24	Systems biology of immunity to MF59-adjuvanted versus nonadjuvanted trivalent seasonal influenza vaccines in early childhood. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 1853-1858.	3.3	176
25	Antisense intronic non-coding RNA levels correlate to the degree of tumor differentiation in prostate cancer. Oncogene, 2004, 23, 6684-6692.	2.6	150
26	Multiple Immune Factors Are Involved in Controlling Acute and Chronic Chikungunya Virus Infection. PLoS Neglected Tropical Diseases, 2014, 8, e3354.	1.3	145
27	Distinct TLR adjuvants differentially stimulate systemic and local innate immune responses in nonhuman primates. Blood, 2012, 119, 2044-2055.	0.6	140
28	Inflammation induced by influenza virus impairs human innate immune control of pneumococcus. Nature Immunology, 2018, 19, 1299-1308.	7.0	127
29	CCR2 Deficiency Promotes Exacerbated Chronic Erosive Neutrophil-Dominated Chikungunya Virus Arthritis. Journal of Virology, 2014, 88, 6862-6872.	1.5	117
30	Gene profiling of Chikungunya virus arthritis in a mouse model reveals significant overlap with rheumatoid arthritis. Arthritis and Rheumatism, 2012, 64, 3553-3563.	6.7	114
31	Genomic positional conservation identifies topological anchor point RNAs linked to developmental loci. Genome Biology, 2018, 19, 32.	3.8	114
32	Chronic but Not Acute Virus Infection Induces Sustained Expansion of Myeloid Suppressor Cell Numbers that Inhibit Viral-Specific T Cell Immunity. Immunity, 2013, 38, 309-321.	6.6	113
33	Initial viral load determines the magnitude of the human CD8 T cell response to yellow fever vaccination. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 3050-3055.	3.3	111
34	Systems vaccinology: Enabling rational vaccine design with systems biological approaches. Vaccine, 2015, 33, 5294-5301.	1.7	108
35	Gasdermin D inhibition prevents multiple organ dysfunction during sepsis by blocking NET formation. Blood, 2021, 138, 2702-2713.	0.6	107
36	Systems Immunology of Diabetes-Tuberculosis Comorbidity Reveals Signatures of Disease Complications. Scientific Reports, 2017, 7, 1999.	1.6	92

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37	Discordant congenital Zika syndrome twins show differential in vitro viral susceptibility of neural progenitor cells. Nature Communications, 2018, 9, 475.	5.8	86
38	MicroRNA Transcriptome Profiling in Heart of Trypanosoma cruzi-Infected Mice: Parasitological and Cardiological Outcomes. PLoS Neglected Tropical Diseases, 2015, 9, e0003828.	1.3	79
39	Systems vaccinology: learning to compute the behavior of vaccine induced immunity. Wiley Interdisciplinary Reviews: Systems Biology and Medicine, 2012, 4, 193-205.	6.6	78
40	Specific inhibition of NLRP3 in chikungunya disease reveals a role for inflammasomes in alphavirus-induced inflammation. Nature Microbiology, 2017, 2, 1435-1445.	5.9	77
41	The Role of Prophage in Plant-Pathogenic Bacteria. Annual Review of Phytopathology, 2013, 51, 429-451.	3.5	76
42	Immunity to viruses: learning from successful human vaccines. Immunological Reviews, 2013, 255, 243-255.	2.8	76
43	Androgen responsive intronic non-coding RNAs. BMC Biology, 2007, 5, 4.	1.7	73
44	Colorimetric RT-LAMP SARS-CoV-2 diagnostic sensitivity relies on color interpretation and viral load. Scientific Reports, 2021, 11, 9026.	1.6	71
45	N -Methyl- <scp>d</scp> -Aspartate (NMDA) Receptor Blockade Prevents Neuronal Death Induced by Zika Virus Infection. MBio, 2017, 8, .	1.8	70
46	Adjuvanting a Simian Immunodeficiency Virus Vaccine with Toll-Like Receptor Ligands Encapsulated in Nanoparticles Induces Persistent Antibody Responses and Enhanced Protection in TRIM5Î± Restrictive Macaques. Journal of Virology, 2017, 91, .	1.5	70
47	Conserved tissue expression signatures of intronic noncoding RNAs transcribed from human and mouse loci. Genomics, 2008, 92, 18-25.	1.3	66
48	Elevated Glucose Levels Favor Sars-Cov-2 Infection and Monocyte Response Through a Hif-1Î±/Glycolysis Dependent Axis. SSRN Electronic Journal, 0, , .	0.4	65
49	Susceptibility of the Elderly to SARS-CoV-2 Infection: ACE-2 Overexpression, Shedding, and Antibody-dependent Enhancement (ADE). Clinics, 2020, 75, e1912.	0.6	64
50	Determinants of antibody persistence across doses and continents after single-dose rVSV-ZEBOV vaccination for Ebola virus disease: an observational cohort study. Lancet Infectious Diseases, The, 2018, 18, 738-748.	4.6	62
51	Daily Rhythms of TNFÎ± Expression and Food Intake Regulate Synchrony of Plasmodium Stages with the Host Circadian Cycle. Cell Host and Microbe, 2018, 23, 796-808.e6.	5.1	59
52	Systems biological approaches to measure and understand vaccine immunity in humans. Seminars in Immunology, 2013, 25, 209-218.	2.7	58
53	Long noncoding RNAs are involved in multiple immunological pathways in response to vaccination. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 17121-17126.	3.3	58
54	Gene signatures related to <scp>B</scp>â€cell proliferation predict influenza vaccineâ€induced antibody response. European Journal of Immunology, 2014, 44, 285-295.	1.6	57

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55	Vaccinology in the era of high-throughput biology. Philosophical Transactions of the Royal Society B: Biological Sciences, 2015, 370, 20140146.	1.8	55
56	RNA-Binding Protein Musashi1 Is a Central Regulator of Adhesion Pathways in Glioblastoma. Molecular and Cellular Biology, 2015, 35, 2965-2978.	1.1	51
57	Origins of the Xylella fastidiosa Prophage-Like Regions and Their Impact in Genome Differentiation. PLoS ONE, 2008, 3, e4059.	1.1	50
58	Systems vaccinology. Current Opinion in HIV and AIDS, 2012, 7, 24-31.	1.5	48
59	Integration of miRNA and gene expression profiles suggest a role for miRNAs in the pathobiological processes of acute Trypanosoma cruzi infection. Scientific Reports, 2017, 7, 17990.	1.6	46
60	Down-regulation of 14q32-encoded miRNAs and tumor suppressor role formiR-654-3pin papillary thyroid cancer. Oncotarget, 2017, 8, 9597-9607.	0.8	46
61	The Iron Stimulon of Xylella fastidiosa Includes Genes for Type IV Pilus and Colicin V-Like Bacteriocins. Journal of Bacteriology, 2008, 190, 2368-2378.	1.0	44
62	StructRNAfinder: an automated pipeline and web server for RNA families prediction. BMC Bioinformatics, 2018, 19, 55.	1.2	42
63	TGF-Î² signalling defect is linked to low CD39 expression on regulatory T cells and methotrexate resistance in rheumatoid arthritis. Journal of Autoimmunity, 2018, 90, 49-58.	3.0	39
64	Methods for predicting vaccine immunogenicity and reactogenicity. Human Vaccines and Immunotherapeutics, 2020, 16, 269-276.	1.4	39
65	Molecular alterations in the extracellular matrix in the brains of newborns with congenital Zika syndrome. Science Signaling, 2020, 13, .	1.6	39
66	Repression of bacterial lipoprotein production byFrancisella novicidafacilitates evasion of innate immune recognition. Cellular Microbiology, 2012, 14, 1531-1543.	1.1	38
67	Sepsis expands a CD39+ plasmablast population that promotes immunosuppression via adenosine-mediated inhibition of macrophage antimicrobial activity. Immunity, 2021, 54, 2024-2041.e8.	6.6	38
68	Genomic Analyses Reveal Broad Impact of miR-137 on Genes Associated with Malignant Transformation and Neuronal Differentiation in Glioblastoma Cells. PLoS ONE, 2014, 9, e85591.	1.1	38
69	As Antisense RNA Gets Intronic. OMICS A Journal of Integrative Biology, 2005, 9, 2-12.	1.0	37
70	Lower temperatures reduce type I interferon activity and promote alphaviral arthritis. PLoS Pathogens, 2017, 13, e1006788.	2.1	37
71	Acute Zika Virus Infection in an Endemic Area Shows Modest Proinflammatory Systemic Immunoactivation and Cytokine-Symptom Associations. Frontiers in Immunology, 2018, 9, 821.	2.2	36
72	Systems analysis of subjects acutely infected with the Chikungunya virus. PLoS Pathogens, 2019, 15, e1007880.	2.1	33

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73	Molecular degree of perturbation of plasma inflammatory markers associated with tuberculosis reveals distinct disease profiles between Indian and Chinese populations. Scientific Reports, 2019, 9, 8002.	1.6	33
74	Blood Gene Signatures of Chagas Cardiomyopathy With or Without Ventricular Dysfunction. Journal of Infectious Diseases, 2017, 215, 387-395.	1.9	32
75	Platelet-monocyte interaction amplifies thromboinflammation through tissue factor signaling in COVID-19. Blood Advances, 2022, 6, 5085-5099.	2.5	32
76	miRNAs may play a major role in the control of gene expression in key pathobiological processes in Chagas disease cardiomyopathy. PLoS Neglected Tropical Diseases, 2020, 14, e0008889.	1.3	31
77	Efferocytosis of SARS-CoV-2-infected dying cells impairs macrophage anti-inflammatory functions and clearance of apoptotic cells. ELife, 0, 11, .	2.8	31
78	Exacerbation of Chikungunya Virus Rheumatic Immunopathology by a High Fiber Diet and Butyrate. Frontiers in Immunology, 2019, 10, 2736.	2.2	30
79	RASL11A, member of a novel small monomeric GTPase gene family, is down-regulated in prostate tumors. Biochemical and Biophysical Research Communications, 2004, 316, 618-627.	1.0	29
80	Systems Biology of Vaccination in the Elderly. Current Topics in Microbiology and Immunology, 2012, 363, 117-142.	0.7	28
81	webCEMiTool: Co-expression Modular Analysis Made Easy. Frontiers in Genetics, 2019, 10, 146.	1.1	27
82	Crucial role for T cell-intrinsic IL-18R-MyD88 signaling in cognate immune response to intracellular parasite infection. ELife, 2017, 6, .	2.8	27
83	Severe COVID-19 Shares a Common Neutrophil Activation Signature with Other Acute Inflammatory States. Cells, 2022, 11, 847.	1.8	27
84	SerpinB2 inhibits migration and promotes a resolution phase signature in large peritoneal macrophages. Scientific Reports, 2019, 9, 12421.	1.6	26
85	In-depth analysis of laboratory parameters reveals the interplay between sex, age, and systemic inflammation in individuals with COVID-19. International Journal of Infectious Diseases, 2021, 105, 579-587.	1.5	25
86	Drug repositioning for psychiatric and neurological disorders through a network medicine approach. Translational Psychiatry, 2020, 10, 141.	2.4	24
87	Calcium/calmodulin-dependent kinase kinase 2 regulates hematopoietic stem and progenitor cell regeneration. Cell Death and Disease, 2017, 8, e3076-e3076.	2.7	22
88	Pediatric COVID-19 patients in South Brazil show abundant viral mRNA and strong specific anti-viral responses. Nature Communications, 2021, 12, 6844.	5.8	22
89	Acid pH Increases SARS-CoV-2 Infection and the Risk of Death by COVID-19. Frontiers in Medicine, 2021, 8, 637885.	1.2	20
90	Myeloperoxidase in human peripheral blood lymphocytes: Production and subcellular localization. Cellular Immunology, 2016, 300, 18-25.	1.4	19

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91	Canonical PI3KÎ³ signaling in myeloid cells restricts Trypanosoma cruzi infection and dampens chagasic myocarditis. Nature Communications, 2018, 9, 1513.	5.8	19
92	Machine Learning for Predicting Vaccine Immunogenicity. Interfaces, 2016, 46, 368-390.	1.6	18
93	Genomics, epigenomics and pharmacogenomics of familial hypercholesterolemia (FHBGEP): A study protocol. Research in Social and Administrative Pharmacy, 2021, 17, 1347-1355.	1.5	18
94	Kdm6b Regulates the Generation of Effector CD8+ T Cells by Inducing Chromatin Accessibility in Effector-Associated Genes. Journal of Immunology, 2021, 206, 2170-2183.	0.4	18
95	Synergy of Omeprazole and Praziquantel In Vitro Treatment against Schistosoma mansoni Adult Worms. PLoS Neglected Tropical Diseases, 2015, 9, e0004086.	1.3	17
96	Assessing the Impact of Sample Heterogeneity on Transcriptome Analysis of Human Diseases Using MDP Webtool. Frontiers in Genetics, 2019, 10, 971.	1.1	17
97	Pneumococcal colonization impairs mucosal immune responses to Live Attenuated Influenza Vaccine in adults. JCI Insight, 2021, 6, .	2.3	17
98	The relationship between cytokine and neutrophil gene network distinguishes SARS-CoV-2â€“infected patients by sex and age. JCI Insight, 2021, 6, .	2.3	17
99	Co-Exposure of Cardiomyocytes to IFN-Î³ and TNF-Î± Induces Mitochondrial Dysfunction and Nitro-Oxidative Stress: Implications for the Pathogenesis of Chronic Chagas Disease Cardiomyopathy. Frontiers in Immunology, 2021, 12, 755862.	2.2	17
100	Splice variants of TLE family genes and up-regulation of a TLE3 isoform in prostate tumors. Biochemical and Biophysical Research Communications, 2007, 364, 918-923.	1.0	16
101	Is the gut microbiome key to modulating vaccine efficacy?. Expert Review of Vaccines, 2015, 14, 777-779.	2.0	16
102	Antimicrobial peptide LL-37 participates in the transcriptional regulation of melanoma cells. Journal of Cancer, 2016, 7, 2341-2345.	1.2	16
103	Toxicogenomic and bioinformatics platforms to identify key molecular mechanisms of a curcumin-analogue DM-1 toxicity in melanoma cells. Pharmacological Research, 2017, 125, 178-187.	3.1	15
104	P2x7 Receptor Signaling Blockade Reduces Lung Inflammation and Necrosis During Severe Experimental Tuberculosis. Frontiers in Cellular and Infection Microbiology, 2021, 11, 672472.	1.8	15
105	Total parasite biomass but not peripheral parasitaemia is associated with endothelial and haematological perturbations in Plasmodium vivax patients. ELife, 2021, 10, .	2.8	15
106	Neonatal T Follicular Helper Cells Are Lodged in a Pre-T Follicular Helper Stage Favoring Innate Over Adaptive Germinal Center Responses. Frontiers in Immunology, 2019, 10, 1845.	2.2	14
107	Antigenicity prediction and vaccine recommendation of human influenza virus A (H3N2) using convolutional neural networks. Human Vaccines and Immunotherapeutics, 2020, 16, 2690-2708.	1.4	14
108	SerpinB2 Deficiency Results in a Stratum Corneum Defect and Increased Sensitivity to Topically Applied Inflammatory Agents. American Journal of Pathology, 2016, 186, 1511-1523.	1.9	13

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109	Platelet disturbances correlate with endothelial cell activation in uncomplicated Plasmodium vivax malaria. PLoS Neglected Tropical Diseases, 2020, 14, e0007656.	1.3	13
110	In situ Immune Signatures and Microbial Load at the Nasopharyngeal Interface in Children With Acute Respiratory Infection. Frontiers in Microbiology, 2018, 9, 2475.	1.5	11
111	Neuroinflammation at single cell level: What is new?. Journal of Leukocyte Biology, 2020, 108, 1129-1137.	1.5	11
112	An Experimental DUAL Model of Advanced Liver Damage. Hepatology Communications, 2021, 5, 1051-1068.	2.0	11
113	Induction of Cell Cycle and NK Cell Responses by Live-Attenuated Oral Vaccines against Typhoid Fever. Frontiers in Immunology, 2017, 8, 1276.	2.2	10
114	Flavivirus-Mediating B Cell Differentiation Into Antibody-Secreting Cells in Humans Is Associated With the Activation of the Tryptophan Metabolism. Frontiers in Immunology, 2020, 11, 20.	2.2	10
115	Human Transcriptomic Response to the VSV-Vectored Ebola Vaccine. Vaccines, 2021, 9, 67.	2.1	10
116	Gene signatures of autopsy lungs from obese patients with COVID-19. Clinical Nutrition ESPEN, 2021, 44, 475-478.	0.5	10
117	Melatonin-Index as a biomarker for predicting the distribution of presymptomatic and asymptomatic SARS-CoV-2 carriers. Melatonin Research, 2021, 4, 189-205.	0.7	9
118	Profiling plasmaâ€extracellular vesicle proteins and microRNAs in diabetes onset in middleâ€aged male participants in the ELSAâ€Brasil study. Physiological Reports, 2021, 9, e14731.	0.7	9
119	Automatic detection of the parasite Trypanosoma cruzi in blood smears using a machine learning approach applied to mobile phone images. PeerJ, 0, 10, e13470.	0.9	9
120	Analysis of LexA binding sites and transcriptomics in response to genotoxic stress inLeptospira interrogans. Nucleic Acids Research, 2016, 44, 1179-1191.	6.5	8
121	Why should obese youth be prioritized in COVID-19 vaccination programs? A nationwide retrospective study. The Lancet Regional Health Americas, 2022, 7, 100167.	1.5	8
122	Biological sex influences antibody responses to routine vaccinations in the first year of life. Acta Paediatrica, International Journal of Paediatrics, 2020, 109, 147-157.	0.7	7
123	Systems Biology Analysis of the Radiation-Attenuated Schistosome Vaccine Reveals a Role for Growth Factors in Protection and Hemostasis Inhibition in Parasite Survival. Frontiers in Immunology, 2021, 12, 624191.	2.2	7
124	Insight Into the Long Noncoding RNA and mRNA Coexpression Profile in the Human Blood Transcriptome Upon Leishmania infantum Infection. Frontiers in Immunology, 2022, 13, 784463.	2.2	7
125	Genetic sequence characterization and naturally acquired immune response to Plasmodium vivax Rhoptry Neck Protein 2 (PvRON2). Malaria Journal, 2018, 17, 401.	0.8	6
126	Immature neutrophil signature associated with the sexual dimorphism of systemic juvenile idiopathic arthritis. Journal of Leukocyte Biology, 2020, 108, 1319-1327.	1.5	6

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127	Systems Vaccinology Applied to DNA Vaccines: Perspective and Challenges. Current Issues in Molecular Biology, 2017, 22, 1-16.	1.0	6
128	Transcriptomic signatures induced by the Ebola virus vaccine rVSVÎ”G-ZEBOV-GP in adult cohorts in Europe, Africa, and North America: a molecular biomarker study. Lancet Microbe, The, 2022, 3, e113-e123.	3.4	6
129	Prior upregulation of interferon pathways in the nasopharynx impacts viral shedding following live attenuated influenza vaccine challenge in children. Cell Reports Medicine, 2021, 2, 100465.	3.3	6
130	Hydroquinone exposure alters the morphology of lymphoid organs in vaccinated C57Bl/6 mice. Environmental Pollution, 2020, 257, 113554.	3.7	5
131	Linking proteomic alterations in schizophrenia hippocampus to NMDAr hypofunction in human neurons and oligodendrocytes. European Archives of Psychiatry and Clinical Neuroscience, 2021, 271, 1579-1586.	1.8	5
132	Long non-coding RNAs associated with infection and vaccine-induced immunity. Essays in Biochemistry, 2021, 65, 657-669.	2.1	5
133	<scp>MS</scp>â€Driven Metabolic Alterations Are Recapitulated in <scp>iPSC</scp>â€Derived Astrocytes. Annals of Neurology, 2022, 91, 652-669.	2.8	5
134	Noninvasive prenatal paternity determination using microhaplotypes: a pilot study. BMC Medical Genomics, 2020, 13, 157.	0.7	4
135	OUTBREAK: a user-friendly georeferencing online tool for disease surveillance. Biological Research, 2021, 54, 20.	1.5	4
136	HIV infection increases the risk of acquiring Plasmodium vivax malaria: a 4-year cohort study in the Brazilian Amazon HIV and risk of vivax malaria. Scientific Reports, 2022, 12, .	1.6	4
137	Molecular alterations in human milk in simulated maternal nasal mucosal infection with live attenuated influenza vaccination. Mucosal Immunology, 2022, 15, 1040-1047.	2.7	4
138	Concepts on Microarray Design for Genome and Transcriptome Analyses. , 2007, , 265-307.		3
139	Network vaccinology. Seminars in Immunology, 2020, 50, 101420.	2.7	3
140	Variants in the Kisspeptin-GnRH Pathway Modulate the Hormonal Profile and Reproductive Outcomes. DNA and Cell Biology, 2020, 39, 1012-1022.	0.9	3
141	Systems Biology of Infectious Diseases and Vaccines. , 2014, , 331-358.		2
142	Gene regulatory and signaling networks exhibit distinct topological distributions of motifs. Physical Review E, 2018, 97, 042417.	0.8	2
143	Systems Immunology. Computational Biology, 2018, , 159-173.	0.1	2
144	Predicting RNA Families in Nucleotide Sequences Using StructRNAfinder. Methods in Molecular Biology, 2019, 1962, 15-27.	0.4	2

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145	Systems immunology of flavivirus infection. , 2021, , 221-234.		2
146	COVID-19 Pandemic and Dysbiosis: Can the Ivermectin Hysteria Lead to an Increase of Autoimmune Neuroinflammatory Diseases?. Critical Reviews in Immunology, 2020, 40, 537-542.	1.0	2
147	The evolution of knowledge on genes associated with human diseases. IScience, 2022, 25, 103610.	1.9	2
148	Editorial: User-Friendly Tools Applied to Genetics or Systems Biology. Frontiers in Genetics, 2020, 11, 985.	1.1	1
149	Hidden in plain sight: uncovering the role of CREB1 in HIV-1 vaccine-induced immunity. Nature Immunology, 2021, 22, 1199-1200.	7.0	1
150	SÃ£o Paulo School of Advanced Sciences on Vaccines: an overview. Journal of Venomous Animals and Toxins Including Tropical Diseases, 2020, 26, e20190061.	0.8	1
151	Toward an Integrated View of Operational Tolerance in Human Renal Transplantation: A Systems Biology Perspective. Critical Reviews in Immunology, 2020, 40, 379-403.	1.0	1
152	High-Throughput Transcriptome Analysis for Investigating Host-Pathogen Interactions. Journal of Visualized Experiments, 2022, , .	0.2	1
153	Genetic Control of Immune Response and Susceptibility to Infectious Diseases. BioMed Research International, 2014, 2014, 1-3.	0.9	0
154	Zika virus infection and cytokines. , 2021, , 267-278.		0
155	Cyclic Peptides as Modulators of Protein-Protein Interactions. Current Synthetic and Systems Biology, 2015, 03, .	0.3	0
156	Early pregnancy factor, chaperonin 10 and rheumatoid arthritis; the story unravels. Journal of Translational Science, 2018, 4, .	0.2	0
157	Novel therapeutic avenues for the study of chronic liver disease and regeneration: The foundation of the Iberoamerican Consortium for the study of liver Cirrhosis. GastroenterologÃa Y HepatologÃa, 2023, 46, 322-328.	0.2	0
158	Tucuxi-BLAST: Enabling fast and accurate record linkage of large-scale health-related administrative databases through a DNA-encoded approach. PeerJ, 0, 10, e13507.	0.9	0