

Helder Imoto Nakaya

List of Publications by Citations

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161
papers

10,130
citations

46
h-index

99
g-index

185
ext. papers

13,154
ext. citations

10
avg, IF

5.93
L-index

#	Paper	IF	Citations
161	Defining CD8+ T cells that provide the proliferative burst after PD-1 therapy. <i>Nature</i> , 2016 , 537, 417-421	50.4	834
160	Systems biology approach predicts immunogenicity of the yellow fever vaccine in humans. <i>Nature Immunology</i> , 2009 , 10, 116-125	19.1	817
159	Programming the magnitude and persistence of antibody responses with innate immunity. <i>Nature</i> , 2011 , 470, 543-7	50.4	703
158	Systems biology of vaccination for seasonal influenza in humans. <i>Nature Immunology</i> , 2011 , 12, 786-95	19.1	589
157	Molecular signatures of antibody responses derived from a systems biology study of five human vaccines. <i>Nature Immunology</i> , 2014 , 15, 195-204	19.1	429
156	Activation of beta-catenin in dendritic cells regulates immunity versus tolerance in the intestine. <i>Science</i> , 2010 , 329, 849-53	33.3	413
155	TLR5-mediated sensing of gut microbiota is necessary for antibody responses to seasonal influenza vaccination. <i>Immunity</i> , 2014 , 41, 478-492	32.3	326
154	Systems vaccinology. <i>Immunity</i> , 2010 , 33, 516-29	32.3	283
153	Evolution and epidemic spread of SARS-CoV-2 in Brazil. <i>Science</i> , 2020 , 369, 1255-1260	33.3	277
152	Elevated Glucose Levels Favor SARS-CoV-2 Infection and Monocyte Response through a HIF-1 α /Glycolysis-Dependent Axis. <i>Cell Metabolism</i> , 2020 , 32, 437-446.e5	24.6	268
151	The T helper type 2 response to cysteine proteases requires dendritic cell-basophil cooperation via ROS-mediated signaling. <i>Nature Immunology</i> , 2010 , 11, 608-17	19.1	260
150	Defining antigen-specific plasmablast and memory B cell subsets in human blood after viral infection or vaccination. <i>Nature Immunology</i> , 2016 , 17, 1226-34	19.1	202
149	ACE2 Expression Is Increased in the Lungs of Patients With Comorbidities Associated With Severe COVID-19. <i>Journal of Infectious Diseases</i> , 2020 , 222, 556-563	7	194
148	Systems Analysis of Immunity to Influenza Vaccination across Multiple Years and in Diverse Populations Reveals Shared Molecular Signatures. <i>Immunity</i> , 2015 , 43, 1186-98	32.3	176
147	Phenotype, function, and gene expression profiles of programmed death-1(hi) CD8 T cells in healthy human adults. <i>Journal of Immunology</i> , 2011 , 186, 4200-12	5.3	168
146	Systems analysis of protective immune responses to RTS,S malaria vaccination in humans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 2425-2430	11.5	167
145	Genome mapping and expression analyses of human intronic noncoding RNAs reveal tissue-specific patterns and enrichment in genes related to regulation of transcription. <i>Genome Biology</i> , 2007 , 8, R43	18.3	159

144	Metabolic Phenotypes of Response to Vaccination in Humans. <i>Cell</i> , 2017 , 169, 862-877.e17	56.2	157
143	Dengue virus infection induces expansion of a CD14(+)CD16(+) monocyte population that stimulates plasmablast differentiation. <i>Cell Host and Microbe</i> , 2014 , 16, 115-27	23.4	157
142	Vaccine activation of the nutrient sensor GCN2 in dendritic cells enhances antigen presentation. <i>Science</i> , 2014 , 343, 313-317	33.3	154
141	The amino acid sensor GCN2 controls gut inflammation by inhibiting inflammasome activation. <i>Nature</i> , 2016 , 531, 523-527	50.4	152
140	The intronic long noncoding RNA ANRASSF1 recruits PRC2 to the RASSF1A promoter, reducing the expression of RASSF1A and increasing cell proliferation. <i>PLoS Genetics</i> , 2013 , 9, e1003705	6	138
139	Antisense intronic non-coding RNA levels correlate to the degree of tumor differentiation in prostate cancer. <i>Oncogene</i> , 2004 , 23, 6684-92	9.2	132
138	Systems biology of immunity to MF59-adjuvanted versus nonadjuvanted trivalent seasonal influenza vaccines in early childhood. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 1853-8	11.5	111
137	Multiple immune factors are involved in controlling acute and chronic chikungunya virus infection. <i>PLoS Neglected Tropical Diseases</i> , 2014 , 8, e3354	4.8	108
136	Distinct TLR adjuvants differentially stimulate systemic and local innate immune responses in nonhuman primates. <i>Blood</i> , 2012 , 119, 2044-55	2.2	101
135	CEMiTool: a Bioconductor package for performing comprehensive modular co-expression analyses. <i>BMC Bioinformatics</i> , 2018 , 19, 56	3.6	92
134	CCR2 deficiency promotes exacerbated chronic erosive neutrophil-dominated chikungunya virus arthritis. <i>Journal of Virology</i> , 2014 , 88, 6862-72	6.6	92
133	Gene profiling of Chikungunya virus arthritis in a mouse model reveals significant overlap with rheumatoid arthritis. <i>Arthritis and Rheumatism</i> , 2012 , 64, 3553-63		90
132	Chronic but not acute virus infection induces sustained expansion of myeloid suppressor cell numbers that inhibit viral-specific T cell immunity. <i>Immunity</i> , 2013 , 38, 309-21	32.3	88
131	Initial viral load determines the magnitude of the human CD8 T cell response to yellow fever vaccination. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 3050-5	11.5	84
130	Genomic positional conservation identifies topological anchor point RNAs linked to developmental loci. <i>Genome Biology</i> , 2018 , 19, 32	18.3	77
129	Systems vaccinology: Enabling rational vaccine design with systems biological approaches. <i>Vaccine</i> , 2015 , 33, 5294-301	4.1	75
128	Inflammation induced by influenza virus impairs human innate immune control of pneumococcus. <i>Nature Immunology</i> , 2018 , 19, 1299-1308	19.1	74
127	Discordant congenital Zika syndrome twins show differential in vitro viral susceptibility of neural progenitor cells. <i>Nature Communications</i> , 2018 , 9, 475	17.4	66

126	Systems vaccinology: learning to compute the behavior of vaccine induced immunity. <i>Wiley Interdisciplinary Reviews: Systems Biology and Medicine</i> , 2012 , 4, 193-205	6.6	65
125	Immunity to viruses: learning from successful human vaccines. <i>Immunological Reviews</i> , 2013 , 255, 243-55	11.3	63
124	Systems Immunology of Diabetes-Tuberculosis Comorbidity Reveals Signatures of Disease Complications. <i>Scientific Reports</i> , 2017 , 7, 1999	4.9	61
123	Conserved tissue expression signatures of intronic noncoding RNAs transcribed from human and mouse loci. <i>Genomics</i> , 2008 , 92, 18-25	4.3	59
122	Adjuvanting a Simian Immunodeficiency Virus Vaccine with Toll-Like Receptor Ligands Encapsulated in Nanoparticles Induces Persistent Antibody Responses and Enhanced Protection in TRIM5 Restrictive Macaques. <i>Journal of Virology</i> , 2017 , 91,	6.6	58
121	Androgen responsive intronic non-coding RNAs. <i>BMC Biology</i> , 2007 , 5, 4	7.3	55
120	Specific inhibition of NLRP3 in chikungunya disease reveals a role for inflammasomes in alphavirus-induced inflammation. <i>Nature Microbiology</i> , 2017 , 2, 1435-1445	26.6	54
119	Gene signatures related to B-cell proliferation predict influenza vaccine-induced antibody response. <i>European Journal of Immunology</i> , 2014 , 44, 285-95	6.1	50
118	-Methyl-d-Aspartate (NMDA) Receptor Blockade Prevents Neuronal Death Induced by Zika Virus Infection. <i>MBio</i> , 2017 , 8,	7.8	48
117	Systems biological approaches to measure and understand vaccine immunity in humans. <i>Seminars in Immunology</i> , 2013 , 25, 209-18	10.7	46
116	Vaccinology in the era of high-throughput biology. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2015 , 370,	5.8	46
115	Susceptibility of the Elderly to SARS-CoV-2 Infection: ACE-2 Overexpression, Shedding, and Antibody-dependent Enhancement (ADE). <i>Clinics</i> , 2020 , 75, e1912	2.3	44
114	The role of prophage in plant-pathogenic bacteria. <i>Annual Review of Phytopathology</i> , 2013 , 51, 429-51	10.8	43
113	Systems vaccinology: its promise and challenge for HIV vaccine development. <i>Current Opinion in HIV and AIDS</i> , 2012 , 7, 24-31	4.2	43
112	Elevated Glucose Levels Favor Sars-Cov-2 Infection and Monocyte Response Through a Hif-1 Glycolysis Dependent Axis. <i>SSRN Electronic Journal</i> ,	1	43
111	Determinants of antibody persistence across doses and continents after single-dose rVSV-ZEBOV vaccination for Ebola virus disease: an observational cohort study. <i>Lancet Infectious Diseases</i> , 2018 , 18, 738-748	25.5	42
110	Daily Rhythms of TNF Expression and Food Intake Regulate Synchrony of Plasmodium Stages with the Host Circadian Cycle. <i>Cell Host and Microbe</i> , 2018 , 23, 796-808.e6	23.4	41
109	Origins of the Xylella fastidiosa prophage-like regions and their impact in genome differentiation. <i>PLoS ONE</i> , 2008 , 3, e4059	3.7	38

108	MicroRNA Transcriptome Profiling in Heart of Trypanosoma cruzi-Infected Mice: Parasitological and Cardiological Outcomes. <i>PLoS Neglected Tropical Diseases</i> , 2015 , 9, e0003828	4.8	36
107	The iron stimulon of Xylella fastidiosa includes genes for type IV pilus and colicin V-like bacteriocins. <i>Journal of Bacteriology</i> , 2008 , 190, 2368-78	3.5	35
106	RNA-Binding Protein Musashi1 Is a Central Regulator of Adhesion Pathways in Glioblastoma. <i>Molecular and Cellular Biology</i> , 2015 , 35, 2965-78	4.8	33
105	Genomic analyses reveal broad impact of miR-137 on genes associated with malignant transformation and neuronal differentiation in glioblastoma cells. <i>PLoS ONE</i> , 2014 , 9, e85591	3.7	33
104	Repression of bacterial lipoprotein production by Francisella novicida facilitates evasion of innate immune recognition. <i>Cellular Microbiology</i> , 2012 , 14, 1531-43	3.9	31
103	Down-regulation of 14q32-encoded miRNAs and tumor suppressor role for miR-654-3p in papillary thyroid cancer. <i>Oncotarget</i> , 2017 , 8, 9597-9607	3.3	30
102	As antisense RNA gets intronic. <i>OMICS A Journal of Integrative Biology</i> , 2005 , 9, 2-12	3.8	29
101	Long noncoding RNAs are involved in multiple immunological pathways in response to vaccination. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 17121-17126	11.5	28
100	SARS-CoV-2 infects brain astrocytes of COVID-19 patients and impairs neuronal viability		27
99	TGF-β signalling defect is linked to low CD39 expression on regulatory T cells and methotrexate resistance in rheumatoid arthritis. <i>Journal of Autoimmunity</i> , 2018 , 90, 49-58	15.5	25
98	RASL11A, member of a novel small monomeric GTPase gene family, is down-regulated in prostate tumors. <i>Biochemical and Biophysical Research Communications</i> , 2004 , 316, 618-27	3.4	25
97	Systems biology of vaccination in the elderly. <i>Current Topics in Microbiology and Immunology</i> , 2013 , 363, 117-42	3.3	24
96	ACE2 Expression is Increased in the Lungs of Patients with Comorbidities Associated with Severe COVID-19 2020 ,		23
95	Integration of miRNA and gene expression profiles suggest a role for miRNAs in the pathobiological processes of acute Trypanosoma cruzi infection. <i>Scientific Reports</i> , 2017 , 7, 17990	4.9	23
94	Blood Gene Signatures of Chagas Cardiomyopathy With or Without Ventricular Dysfunction. <i>Journal of Infectious Diseases</i> , 2017 , 215, 387-395	7	21
93	Molecular alterations in the extracellular matrix in the brains of newborns with congenital Zika syndrome. <i>Science Signaling</i> , 2020 , 13,	8.8	20
92	Lower temperatures reduce type I interferon activity and promote alphaviral arthritis. <i>PLoS Pathogens</i> , 2017 , 13, e1006788	7.6	20
91	Colorimetric RT-LAMP SARS-CoV-2 diagnostic sensitivity relies on color interpretation and viral load. <i>Scientific Reports</i> , 2021 , 11, 9026	4.9	20

90	Molecular degree of perturbation of plasma inflammatory markers associated with tuberculosis reveals distinct disease profiles between Indian and Chinese populations. <i>Scientific Reports</i> , 2019 , 9, 8002-9	4.9	19
89	Acute Zika Virus Infection in an Endemic Area Shows Modest Proinflammatory Systemic Immunoactivation and Cytokine-Symptom Associations. <i>Frontiers in Immunology</i> , 2018 , 9, 821	8.4	18
88	Methods for predicting vaccine immunogenicity and reactogenicity. <i>Human Vaccines and Immunotherapeutics</i> , 2020 , 16, 269-276	4.4	17
87	Synergy of Omeprazole and Praziquantel In Vitro Treatment against <i>Schistosoma mansoni</i> Adult Worms. <i>PLoS Neglected Tropical Diseases</i> , 2015 , 9, e0004086	4.8	16
86	StructRNAfinder: an automated pipeline and web server for RNA families prediction. <i>BMC Bioinformatics</i> , 2018 , 19, 55	3.6	15
85	Myeloperoxidase in human peripheral blood lymphocytes: Production and subcellular localization. <i>Cellular Immunology</i> , 2016 , 300, 18-25	4.4	15
84	SARS-CoV-2 Uses CD4 to Infect T Helper Lymphocytes		15
83	Gasdermin D inhibition prevents multiple organ dysfunction during sepsis by blocking NET formation. <i>Blood</i> , 2021 ,	2.2	15
82	Splice variants of TLE family genes and up-regulation of a TLE3 isoform in prostate tumors. <i>Biochemical and Biophysical Research Communications</i> , 2007 , 364, 918-23	3.4	14
81	Machine Learning for Predicting Vaccine Immunogenicity. <i>Interfaces</i> , 2016 , 46, 368-390	0.7	14
80	Systems analysis of subjects acutely infected with the Chikungunya virus. <i>PLoS Pathogens</i> , 2019 , 15, e1007880	7.8	13
79	Toxicogenomic and bioinformatics platforms to identify key molecular mechanisms of a curcumin-analogue DM-1 toxicity in melanoma cells. <i>Pharmacological Research</i> , 2017 , 125, 178-187	10.2	13
78	miRNAs may play a major role in the control of gene expression in key pathobiological processes in Chagas disease cardiomyopathy. <i>PLoS Neglected Tropical Diseases</i> , 2020 , 14, e0008889	4.8	13
77	Antimicrobial peptide LL-37 participates in the transcriptional regulation of melanoma cells. <i>Journal of Cancer</i> , 2016 , 7, 2341-2345	4.5	12
76	Exacerbation of Chikungunya Virus Rheumatic Immunopathology by a High Fiber Diet and Butyrate. <i>Frontiers in Immunology</i> , 2019 , 10, 2736	8.4	12
75	Drug repositioning for psychiatric and neurological disorders through a network medicine approach. <i>Translational Psychiatry</i> , 2020 , 10, 141	8.6	11
74	Canonical PI3K signaling in myeloid cells restricts <i>Trypanosoma cruzi</i> infection and dampens chagasic myocarditis. <i>Nature Communications</i> , 2018 , 9, 1513	17.4	11
73	Crucial role for T cell-intrinsic IL-18R-MyD88 signaling in cognate immune response to intracellular parasite infection. <i>ELife</i> , 2017 , 6,	8.9	11

72	SerpinB2 inhibits migration and promotes a resolution phase signature in large peritoneal macrophages. <i>Scientific Reports</i> , 2019 , 9, 12421	4.9	10
71	Calcium/calmodulin-dependent kinase kinase 2 regulates hematopoietic stem and progenitor cell regeneration. <i>Cell Death and Disease</i> , 2017 , 8, e3076	9.8	10
70	Assessing the Impact of Sample Heterogeneity on Transcriptome Analysis of Human Diseases Using MDP Webtool. <i>Frontiers in Genetics</i> , 2019 , 10, 971	4.5	9
69	The impact of early social distancing at COVID-19 Outbreak in the largest Metropolitan Area of Brazil		9
68	The relationship between cytokine and neutrophil gene network distinguishes SARS-CoV-2-infected patients by sex and age. <i>JCI Insight</i> , 2021 , 6,	9.9	9
67	SerpinB2 Deficiency Results in a Stratum Corneum Defect and Increased Sensitivity to Topically Applied Inflammatory Agents. <i>American Journal of Pathology</i> , 2016 , 186, 1511-23	5.8	9
66	webCEMiTool: Co-expression Modular Analysis Made Easy. <i>Frontiers in Genetics</i> , 2019 , 10, 146	4.5	8
65	Induction of Cell Cycle and NK Cell Responses by Live-Attenuated Oral Vaccines against Typhoid Fever. <i>Frontiers in Immunology</i> , 2017 , 8, 1276	8.4	8
64	Monitoring social distancing and SARS-CoV-2 transmission in Brazil using cell phone mobility data		8
63	Sepsis expands a CD39 plasmablast population that promotes immunosuppression via adenosine-mediated inhibition of macrophage antimicrobial activity. <i>Immunity</i> , 2021 , 54, 2024-2041.e8	32.3	8
62	Large-scale assessment of human mobility during COVID-19 outbreak		7
61	Genomic positional conservation identifies topological anchor point (tap)RNAs linked to developmental loci		7
60	In-depth analysis of laboratory parameters reveals the interplay between sex, age, and systemic inflammation in individuals with COVID-19. <i>International Journal of Infectious Diseases</i> , 2021 , 105, 579-587	10.5	7
59	Pneumococcal colonization impairs mucosal immune responses to live attenuated influenza vaccine. <i>JCI Insight</i> , 2021 , 6,	9.9	7
58	Analysis of LexA binding sites and transcriptomics in response to genotoxic stress in <i>Leptospira interrogans</i> . <i>Nucleic Acids Research</i> , 2016 , 44, 1179-91	20.1	6
57	Evolution and epidemic spread of SARS-CoV-2 in Brazil		6
56	Platelet disturbances correlate with endothelial cell activation in uncomplicated <i>Plasmodium vivax</i> malaria. <i>PLoS Neglected Tropical Diseases</i> , 2020 , 14, e0007656	4.8	6
55	Acid pH Increases SARS-CoV-2 Infection and the Risk of Death by COVID-19. <i>Frontiers in Medicine</i> , 2021 , 8, 637885	4.9	6

54	Neonatal T Follicular Helper Cells Are Lodged in a Pre-T Follicular Helper Stage Favoring Innate Over Adaptive Germinal Center Responses. <i>Frontiers in Immunology</i> , 2019 , 10, 1845	8.4	5
53	Genomics, epigenomics and pharmacogenomics of familial hypercholesterolemia (FHBGEP): A study protocol. <i>Research in Social and Administrative Pharmacy</i> , 2021 , 17, 1347-1355	2.9	5
52	Systems Vaccinology Applied to DNA Vaccines: Perspective and Challenges. <i>Current Issues in Molecular Biology</i> , 2017 , 22, 1-16	2.9	5
51	Melatonin-Index as a biomarker for predicting the distribution of presymptomatic and asymptomatic SARS-CoV-2 carriers. <i>Melatonin Research</i> , 2021 , 4, 189-205	5.1	5
50	Immune Signatures and Microbial Load at the Nasopharyngeal Interface in Children With Acute Respiratory Infection. <i>Frontiers in Microbiology</i> , 2018 , 9, 2475	5.7	5
49	Flavivirus-Mediating B Cell Differentiation Into Antibody-Secreting Cells in Humans Is Associated With the Activation of the Tryptophan Metabolism. <i>Frontiers in Immunology</i> , 2020 , 11, 20	8.4	4
48	The influence of pH on SARS-CoV-2 infection and COVID-19 severity		4
47	Systems Biology Analysis of the Radiation-Attenuated Schistosome Vaccine Reveals a Role for Growth Factors in Protection and Hemostasis Inhibition in Parasite Survival. <i>Frontiers in Immunology</i> , 2021 , 12, 624191	8.4	4
46	Biological sex influences antibody responses to routine vaccinations in the first year of life. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2020 , 109, 147-157	3.1	4
45	Genetic sequence characterization and naturally acquired immune response to Plasmodium vivax Rhoptry Neck Protein 2 (PvRON2). <i>Malaria Journal</i> , 2018 , 17, 401	3.6	4
44	Platelet-monocyte interaction amplifies thromboinflammation through tissue factor signaling in COVID-19.. <i>Blood Advances</i> , 2022 ,	7.8	4
43	Concepts on Microarray Design for Genome and Transcriptome Analyses 2007 , 265-307		3
42	Co-Exposure of Cardiomyocytes to IFN- γ and TNF- α Induces Mitochondrial Dysfunction and Nitro-Oxidative Stress: Implications for the Pathogenesis of Chronic Chagas Disease Cardiomyopathy. <i>Frontiers in Immunology</i> , 2021 , 12, 755862	8.4	3
41	Pediatric COVID-19 patients in South Brazil show abundant viral mRNA and strong specific anti-viral responses. <i>Nature Communications</i> , 2021 , 12, 6844	17.4	3
40	Pneumococcal colonization impairs nasal and lung mucosal immune responses to Live Attenuated Influenza Vaccination in adults		3
39	Hydroquinone exposure alters the morphology of lymphoid organs in vaccinated C57Bl/6 mice. <i>Environmental Pollution</i> , 2020 , 257, 113554	9.3	3
38	Antigenicity prediction and vaccine recommendation of human influenza virus A (H3N2) using convolutional neural networks. <i>Human Vaccines and Immunotherapeutics</i> , 2020 , 16, 2690-2708	4.4	3
37	Immunodominant B cell epitope in a hotspot mutation site and mechanism of immune escape for SARS-CoV-2		3

36	Linking proteomic alterations in schizophrenia hippocampus to NMDAR hypofunction in human neurons and oligodendrocytes. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2021 , 271, 1579-1586 ³		
35	Kdm6b Regulates the Generation of Effector CD8 T Cells by Inducing Chromatin Accessibility in Effector-Associated Genes. <i>Journal of Immunology</i> , 2021 , 206, 2170-2183	5.3	3
34	Profiling plasma-extracellular vesicle proteins and microRNAs in diabetes onset in middle-aged male participants in the ELSA-Brasil study. <i>Physiological Reports</i> , 2021 , 9, e14731	2.6	3
33	Severe COVID-19 Shares a Common Neutrophil Activation Signature with Other Acute Inflammatory States.. <i>Cells</i> , 2022 , 11,	7.9	3
32	Network vaccinology. <i>Seminars in Immunology</i> , 2020 , 50, 101420	10.7	2
31	Variants in the Kisspeptin-GnRH Pathway Modulate the Hormonal Profile and Reproductive Outcomes. <i>DNA and Cell Biology</i> , 2020 , 39, 1012-1022	3.6	2
30	Systems Biology of Infectious Diseases and Vaccines 2014 , 331-358		2
29	Neuroinflammation at single cell level: What is new?. <i>Journal of Leukocyte Biology</i> , 2020 , 108, 1129-11376.5		2
28	An Experimental DUAL Model of Advanced Liver Damage. <i>Hepatology Communications</i> , 2021 , 5, 1051-1068		2
27	P2x7 Receptor Signaling Blockade Reduces Lung Inflammation and Necrosis During Severe Experimental Tuberculosis. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021 , 11, 672472	5.9	2
26	Human Transcriptomic Response to the VSV-Vectored Ebola Vaccine. <i>Vaccines</i> , 2021 , 9,	5.3	2
25	Systems immunology of flavivirus infection 2021 , 221-234		2
24	Gene signatures of autopsy lungs from obese patients with COVID-19. <i>Clinical Nutrition ESPEN</i> , 2021 , 44, 475-478	1.3	2
23	Multi-layered transcriptomic analyses reveal an immunological overlap between COVID-19 and hemophagocytic lymphohistiocytosis associated with disease severity		2
22	Total parasite biomass but not peripheral parasitaemia is associated with endothelial and haematological perturbations in patients. <i>ELife</i> , 2021 , 10,	8.9	2
21	Predicting RNA Families in Nucleotide Sequences Using StructRNAfinder. <i>Methods in Molecular Biology</i> , 2019 , 1962, 15-27	1.4	1
20	Gene regulatory and signaling networks exhibit distinct topological distributions of motifs. <i>Physical Review E</i> , 2018 , 97, 042417	2.4	1
19	Systems Immunology. <i>Computational Biology</i> , 2018 , 159-173	0.7	1

18	The evolution of knowledge on genes associated with human diseases.. <i>IScience</i> , 2022 , 25, 103610	6.1	1
17	Integrative Biology Approaches Applied to Human Diseases19-36		1
16	COVID-19 Pandemic and Dysbiosis: Can the Ivermectin Hysteria Lead to an Increase of Autoimmune Neuroinflammatory Diseases?. <i>Critical Reviews in Immunology</i> , 2020 , 40, 537-542	1.8	1
15	Specific immune-regulatory transcriptional signatures reveal sex and age differences in SARS-CoV-2 infected patients		1
14	Why should obese youth be prioritized in COVID-19 vaccination programs? A nationwide retrospective study.. <i>The Lancet Regional Health Americas</i> , 2022 , 7, 100167		1
13	Inflammation induced by influenza virus impairs innate control of human pneumococcal carriage		1
12	Immature neutrophil signature associated with the sexual dimorphism of systemic juvenile idiopathic arthritis. <i>Journal of Leukocyte Biology</i> , 2020 , 108, 1319-1327	6.5	1
11	Noninvasive prenatal paternity determination using microhaplotypes: a pilot study. <i>BMC Medical Genomics</i> , 2020 , 13, 157	3.7	1
10	OUTBREAK: a user-friendly georeferencing online tool for disease surveillance. <i>Biological Research</i> , 2021 , 54, 20	7.6	1
9	Long non-coding RNAs associated with infection and vaccine-induced immunity. <i>Essays in Biochemistry</i> , 2021 , 65, 657-669	7.6	1
8	Insight Into the Long Noncoding RNA and mRNA Coexpression Profile in the Human Blood Transcriptome Upon Infection.. <i>Frontiers in Immunology</i> , 2022 , 13, 784463	8.4	1
7	Automatic detection of the parasite <i>Trypanosoma cruzi</i> in blood smears using a machine learning approach applied to mobile phone images. <i>PeerJ</i> ,10, e13470	3.1	1
6	Sb Paulo School of Advanced Sciences on Vaccines: an overview. <i>Journal of Venomous Animals and Toxins Including Tropical Diseases</i> , 2020 , 26, e20190061	2.2	0
5	Hidden in plain sight: uncovering the role of CREB1 in HIV-1 vaccine-induced immunity. <i>Nature Immunology</i> , 2021 , 22, 1199-1200	19.1	0
4	Prior upregulation of interferon pathways in the nasopharynx impacts viral shedding following live attenuated influenza vaccine challenge in children.. <i>Cell Reports Medicine</i> , 2021 , 2, 100465	18	0
3	Transcriptomic signatures induced by the Ebola virus vaccine rVSV Δ Z-EBOV-GP in adult cohorts in Europe, Africa, and North America: a molecular biomarker study.. <i>Lancet Microbe</i> , The , 2022 , 3, e113-e123 ^{22,2}		
2	Toward an Integrated View of Operational Tolerance in Human Renal Transplantation: A Systems Biology Perspective. <i>Critical Reviews in Immunology</i> , 2020 , 40, 379-403	1.8	
1	Zika virus infection and cytokines 2021 , 267-278		

