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List of Publications by Year
in descending order

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73 papers	7,944 citations	71061 41 h-index	82499 72 g-index
76 all docs	76 docs citations	76 times ranked	5824 citing authors

#	Article	IF	Citations
1	Tick-Borne Encephalitis in Vaccinated Patients: A Retrospective Case-Control Study and Analysis of Vaccination Field Effectiveness in Austria From 2000 to 2018. Journal of Infectious Diseases, 2023, 227, 512-521.	1.9	10
2	Impact of structural dynamics on biological functions of flaviviruses. FEBS Journal, 2023, 290, 1973-1985.	2.2	5
3	Primary immune responses are negatively impacted by persistent herpesvirus infections in older people: results from an observational study on healthy subjects and a vaccination trial on subjects aged more than 70 years old. EBioMedicine, 2022, 76, 103852.	2.7	17
4	Evolution and activation mechanism of the flavivirus class II membrane-fusion machinery. Nature Communications, 2022, 13, .	5.8	17
5	Different Cross-Reactivities of IgM Responses in Dengue, Zika and Tick-Borne Encephalitis Virus Infections. Viruses, 2021, 13, 596.	1.5	5
6	Profiles of current COVID-19 vaccines. Wiener Klinische Wochenschrift, 2021, 133, 271-283.	1.0	32
7	Dynamics and Extent of Non-Structural Protein 1-Antibody Responses in Tick-Borne Encephalitis Vaccination Breakthroughs and Unvaccinated Patients. Viruses, 2021, 13, 1007.	1.5	7
8	Distinguishing features of current COVID-19 vaccines: knowns and unknowns of antigen presentation and modes of action. Npj Vaccines, 2021, 6, 104.	2.9	241
9	An Absolutely Conserved Tryptophan in the Stem of the Envelope Protein E of Flaviviruses Is Essential for the Formation of Stable Particles. Viruses, 2021, 13, 1727.	1.5	1
10	The regional decline and rise of tick-borne encephalitis incidence do not correlate with Lyme borreliosis, Austria, 2005 to 2018. Eurosurveillance, 2021, 26, .	3.9	6
11	Profile of SARS-CoV-2. Wiener Klinische Wochenschrift, 2020, 132, 635-644.	1.0	4
12	Dynamics of CD4 T Cell and Antibody Responses in COVID-19 Patients With Different Disease Severity. Frontiers in Medicine, 2020, 7, 592629.	1.2	54
13	Obituary for Christian Kunz, 1927â€“2020. Wiener Klinische Wochenschrift, 2020, 132, 410-411.	1.0	0
14	CD4 T Cell Determinants in West Nile Virus Disease and Asymptomatic Infection. Frontiers in Immunology, 2020, 11, 16.	2.2	7
15	Impact of flavivirus vaccine-induced immunity on primary Zika virus antibody response in humans. PLoS Neglected Tropical Diseases, 2020, 14, e0008034.	1.3	27
16	Extensive flavivirus E trimer breathing accompanies stem zippering of the postâ€fusion hairpin. EMBO Reports, 2020, 21, e50069.	2.0	8
17	Pre-existing yellow fever immunity impairs and modulates the antibody response to tick-borne encephalitis vaccination. Npj Vaccines, 2019, 4, 38.	2.9	47
18	When it is better to stay together. Nature Immunology, 2019, 20, 1266-1268.	7.0	1

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19	The bright and the dark side of human antibody responses to flaviviruses: lessons for vaccine design. EMBO Reports, 2018, 19, 206-224.	2.0	188
20	Structural Influence on the Dominance of Virus-Specific CD4 T Cell Epitopes in Zika Virus Infection. Frontiers in Immunology, 2018, 9, 1196.	2.2	25
21	The Antigenic Structure of Zika Virus and Its Relation to Other Flaviviruses: Implications for Infection and Immunoprophylaxis. Microbiology and Molecular Biology Reviews, 2017, 81, .	2.9	156
22	Protein structure shapes immunodominance in the CD4 T cell response to yellow fever vaccination. Scientific Reports, 2017, 7, 8907.	1.6	18
23	Flavivirus structural heterogeneity: implications for cell entry. Current Opinion in Virology, 2017, 24, 132-139.	2.6	62
24	A novel mechanism of antibody-mediated enhancement of flavivirus infection. PLoS Pathogens, 2017, 13, e1006643.	2.1	56
25	Membrane Anchors of the Structural Flavivirus Proteins and Their Role in Virus Assembly. Journal of Virology, 2016, 90, 6365-6378.	1.5	45
26	Structural basis of potent Zikaâ€“dengue virus antibody cross-neutralization. Nature, 2016, 536, 48-53.	13.7	465
27	Human CD4+ T Helper Cell Responses after Tick-Borne Encephalitis Vaccination and Infection. PLoS ONE, 2015, 10, e0140545.	1.1	36
28	Immunization with Immune Complexes Modulates the Fine Specificity of Antibody Responses to a Flavivirus Antigen. Journal of Virology, 2015, 89, 7970-7978.	1.5	23
29	Variation of the Specificity of the Human Antibody Responses after Tick-Borne Encephalitis Virus Infection and Vaccination. Journal of Virology, 2014, 88, 13845-13857.	1.5	76
30	Specificities of Human CD4 ⁺ T Cell Responses to an Inactivated Flavivirus Vaccine and Infection: Correlation with Structure and Epitope Prediction. Journal of Virology, 2014, 88, 7828-7842.	1.5	67
31	Aluminum Hydroxide Influences Not Only the Extent but Also the Fine Specificity and Functional Activity of Antibody Responses to Tick-Borne Encephalitis Virus in Mice. Journal of Virology, 2013, 87, 12187-12195.	1.5	18
32	The Membrane-Proximal â€œStemâ€•Region Increases the Stability of the Flavivirus E Protein Postfusion Trimer and Modulates Its Structure. Journal of Virology, 2013, 87, 9933-9938.	1.5	20
33	Dissection of Antibody Specificities Induced by Yellow Fever Vaccination. PLoS Pathogens, 2013, 9, e1003458.	2.1	61
34	Vaccination and Tick-borne Encephalitis, Central Europe. Emerging Infectious Diseases, 2013, 19, 69-76.	2.0	169
35	Flaviviruses and flavivirus vaccines. Vaccine, 2012, 30, 4301-4306.	1.7	226
36	Immunodominance and Functional Activities of Antibody Responses to Inactivated West Nile Virus and Recombinant Subunit Vaccines in Mice. Journal of Virology, 2011, 85, 1994-2003.	1.5	43

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37	Impact of Quaternary Organization on the Antigenic Structure of the Tick-Borne Encephalitis Virus Envelope Glycoprotein E. Journal of Virology, 2009, 83, 8482-8491.	1.5	43
38	Characteristics of antibody responses in tick-borne encephalitis vaccination breakthroughs. Vaccine, 2009, 27, 7021-7026.	1.7	97
39	Effect of pre-existing anti-tick-borne encephalitis virus immunity on neutralising antibody response to the Vero cell-derived, inactivated Japanese encephalitis virus vaccine candidate IC51. Vaccine, 2008, 26, 6151-6156.	1.7	46
40	Entry Functions and Antigenic Structure of Flavivirus Envelope Proteins. Novartis Foundation Symposium, 2008, , 57-73.	1.2	5
41	Characterization of a Structural Intermediate of Flavivirus Membrane Fusion. PLoS Pathogens, 2007, 3, e20.	2.1	76
42	Field effectiveness of vaccination against tick-borne encephalitis. Vaccine, 2007, 25, 7559-7567.	1.7	225
43	Flavivirus membrane fusion. Journal of General Virology, 2006, 87, 2755-2766.	1.3	162
44	Cryptic Properties of a Cluster of Dominant Flavivirus Cross-Reactive Antigenic Sites. Journal of Virology, 2006, 80, 9557-9568.	1.5	204
45	Heterologous gene expression by infectious and replicon vectors derived from tick-borne encephalitis virus and direct comparison of this flavivirus system with an alphavirus replicon. Journal of General Virology, 2005, 86, 1045-1053.	1.3	30
46	Differences in the Postfusion Conformations of Full-Length and Truncated Class II Fusion Protein E of Tick-Borne Encephalitis Virus. Journal of Virology, 2005, 79, 6511-6515.	1.5	17
47	Characterization of a Membrane-Associated Trimeric Low-pH-Induced Form of the Class II Viral Fusion Protein E from Tick-Borne Encephalitis Virus and Its Crystallization. Journal of Virology, 2004, 78, 3178-3183.	1.5	55
48	Structure of a flavivirus envelope glycoprotein in its low-pH-induced membrane fusion conformation. EMBO Journal, 2004, 23, 728-738.	3.5	526
49	Flavivirus Structure and Membrane Fusion. Advances in Virus Research, 2003, 59, 63-97.	0.9	123
50	Molecular aspects of TBE virus research. Vaccine, 2003, 21, S3-S10.	1.7	33
51	Involvement of Lipids in Different Steps of the Flavivirus Fusion Mechanism. Journal of Virology, 2003, 77, 7856-7862.	1.5	86
52	Cleavage of protein prM is necessary for infection of BHK-21 cells by tick-borne encephalitis virus FN1. Journal of General Virology, 2003, 84, 183-191.	1.3	191
53	Membrane Interactions of the Tick-Borne Encephalitis Virus Fusion Protein E at Low pH. Journal of Virology, 2002, 76, 3784-3790.	1.5	119
54	Adaptation of Tick-Borne Encephalitis Virus to BHK-21 Cells Results in the Formation of Multiple Heparan Sulfate Binding Sites in the Envelope Protein and Attenuation In Vivo. Journal of Virology, 2001, 75, 5627-5637.	1.5	206

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55	Role of Metastability and Acidic pH in Membrane Fusion by Tick-Borne Encephalitis Virus. Journal of Virology, 2001, 75, 7392-7398.	1.5	60
56	Mutational Evidence for an Internal Fusion Peptide in Flavivirus Envelope Protein E. Journal of Virology, 2001, 75, 4268-4275.	1.5	295
57	Membrane Fusion Activity of Tick-Borne Encephalitis Virus and Recombinant Subviral Particles in a Liposomal Model System. Virology, 2000, 269, 37-46.	1.1	124
58	Attenuation of Tick-Borne Encephalitis Virus by Structure-Based Site-Specific Mutagenesis of a Putative Flavivirus Receptor Binding Site. Journal of Virology, 2000, 74, 9601-9609.	1.5	123
59	Comparison of line probe assay (LIPA) and sequence analysis for detection of HIV-1 drug resistance. , 1999, 57, 283-289.		23
60	Mapping of Functional Elements in the Stem-Anchor Region of Tick-Borne Encephalitis Virus Envelope Protein E. Journal of Virology, 1999, 73, 5605-5612.	1.5	178
61	In vitro-synthesized infectious RNA as an attenuated live vaccine in a flavivirus model. Nature Medicine, 1998, 4, 1438-1440.	15.2	113
62	Possible influence of the mutant CCR5 allele on vertical transmission of HIV-1. , 1998, 55, 51-55.		27
63	Possible influence of the mutant CCR5 allele on vertical transmission of HIVâ€1. Journal of Medical Virology, 1998, 55, 51-55.	2.5	4
64	The envelope glycoprotein from tick-borne encephalitis virus at 2 Ã... resolution. Nature, 1995, 375, 291-298.	13.7	1,344
65	Structural Changes and Functional Control of the Tick-Borne Encephalitis Virus Glycoprotein E by the Heterodimeric Association with Protein prM. Virology, 1994, 198, 109-117.	1.1	247
66	The molecular biology of tick-borne encephalitis virus. Apmis, 1993, 101, 735-745.	0.9	64
67	Establishment of PCR for the early diagnosis of herpes simplex encephalitis. Journal of Medical Virology, 1990, 32, 77-82.	2.5	125
68	Epitope model of tick-borne encephalitis virus envelope glycoprotein E: Analysis of structural properties, role of carbohydrate side chain, and conformational changes occurring at acidic pH. Virology, 1989, 169, 90-99.	1.1	149
69	Genome sequence of tick-borne encephalitis virus (Western subtype) and comparative analysis of nonstructural proteins with other flaviviruses. Virology, 1989, 173, 291-301.	1.1	144
70	Efficiency of the polymerase chain reaction for the detection of human immunodeficiency virus type (HIV-1) DNA in the lymphocytes of infected persons: Comparison to antigen-enzyme-linked immunosorbent assay and virus isolation. Journal of Medical Virology, 1989, 29, 249-255.	2.5	44
71	Sequence of the structural proteins of tick-borne encephalitis virus (Western subtype) and comparative analysis with other flaviviruses. Virology, 1988, 166, 197-205.	1.1	173
72	Immunogenicity and reactogenicity of a highly purified vaccine against tick-borne encephalitis. Journal of Medical Virology, 1980, 6, 103-109.	2.5	105

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73	Preparation of a highly purified vaccine against tick-borne encephalitis by continuous flow zonal ultracentrifugation. Journal of Medical Virology, 1980, 6, 213-221.	2.5	81