

Kenneth S Plante

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

5,860
citations

304602

22
h-index

289141

40
g-index

54
all docs

54
docs citations

54
times ranked

10959
citing authors

#	ARTICLE	IF	CITATIONS
1	Spike mutation D614G alters SARS-CoV-2 fitness. <i>Nature</i> , 2021, 592, 116-121.	13.7	1,380
2	An Infectious cDNA Clone of SARS-CoV-2. <i>Cell Host and Microbe</i> , 2020, 27, 841-848.e3.	5.1	617
3	Loss of furin cleavage site attenuates SARS-CoV-2 pathogenesis. <i>Nature</i> , 2021, 591, 293-299.	13.7	579
4	Severe Acute Respiratory Syndrome Coronavirus 2 from Patient with Coronavirus Disease, United States. <i>Emerging Infectious Diseases</i> , 2020, 26, 1266-1273.	2.0	523
5	The N501Y spike substitution enhances SARS-CoV-2 infection and transmission. <i>Nature</i> , 2022, 602, 294-299.	13.7	364
6	The variant gambit: COVID-19's next move. <i>Cell Host and Microbe</i> , 2021, 29, 508-515.	5.1	305
7	Adjuvanting a subunit COVID-19 vaccine to induce protective immunity. <i>Nature</i> , 2021, 594, 253-258.	13.7	253
8	Multi-peaked adaptive landscape for chikungunya virus evolution predicts continued fitness optimization in <i>Aedes albopictus</i> mosquitoes. <i>Nature Communications</i> , 2014, 5, 4084.	5.8	179
9	Novel Chikungunya Vaccine Candidate with an IRES-Based Attenuation and Host Range Alteration Mechanism. <i>PLoS Pathogens</i> , 2011, 7, e1002142.	2.1	148
10	Attenuation of Chikungunya Virus Vaccine Strain 181/Clone 25 Is Determined by Two Amino Acid Substitutions in the E2 Envelope Glycoprotein. <i>Journal of Virology</i> , 2012, 86, 6084-6096.	1.5	142
11	Acute Respiratory Distress in Aged, SARS-CoV-2-Infected African Green Monkeys but Not Rhesus Macaques. <i>American Journal of Pathology</i> , 2021, 191, 274-282.	1.9	123
12	Chikungunya Vaccine Candidate Is Highly Attenuated and Protects Nonhuman Primates Against Telemetrically Monitored Disease Following a Single Dose. <i>Journal of Infectious Diseases</i> , 2014, 209, 1891-1899.	1.9	86
13	Nucleocapsid mutations in SARS-CoV-2 augment replication and pathogenesis. <i>PLoS Pathogens</i> , 2022, 18, e1010627.	2.1	85
14	Mouse-adapted SARS-CoV-2 protects animals from lethal SARS-CoV challenge. <i>PLoS Biology</i> , 2021, 19, e3001284.	2.6	54
15	A trans-complementation system for SARS-CoV-2 recapitulates authentic viral replication without virulence. <i>Cell</i> , 2021, 184, 2229-2238.e13.	13.5	51
16	VLDLR and ApoER2 are receptors for multiple alphaviruses. <i>Nature</i> , 2022, 602, 475-480.	13.7	49
17	Structural divergence creates new functional features in alphavirus genomes. <i>Nucleic Acids Research</i> , 2018, 46, 3657-3670.	6.5	45
18	Extended Preclinical Safety, Efficacy and Stability Testing of a Live-attenuated Chikungunya Vaccine Candidate. <i>PLoS Neglected Tropical Diseases</i> , 2015, 9, e0004007.	1.3	39

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19	The Role of Innate versus Adaptive Immune Responses in a Mouse Model of O'Nyong-Nyong Virus Infection. <i>American Journal of Tropical Medicine and Hygiene</i> , 2013, 88, 1170-1179.	0.6	37
20	Effects of Chikungunya virus immunity on Mayaro virus disease and epidemic potential. <i>Scientific Reports</i> , 2019, 9, 20399.	1.6	35
21	Complex Genetic Architecture Underlies Regulation of Influenza-A-Virus-Specific Antibody Responses in the Collaborative Cross. <i>Cell Reports</i> , 2020, 31, 107587.	2.9	31
22	Role of mutational reversions and fitness restoration in Zika virus spread to the Americas. <i>Nature Communications</i> , 2021, 12, 595.	5.8	29
23	Bayesian Diallel Analysis Reveals <i>Mx1</i> -Dependent and <i>Mx1</i> -Independent Effects on Response to Influenza A Virus in Mice. <i>G3: Genes, Genomes, Genetics</i> , 2018, 8, 427-445.	0.8	27
24	Antiviral activity of oleandrin and a defined extract of Nerium oleander against SARS-CoV-2. <i>Biomedicine and Pharmacotherapy</i> , 2021, 138, 111457.	2.5	23
25	Using SHAPE-MaP To Model RNA Secondary Structure and Identify 3'UTR Variation in Chikungunya Virus. <i>Journal of Virology</i> , 2020, 94, .	1.5	22
26	Tiled-ClickSeq for targeted sequencing of complete coronavirus genomes with simultaneous capture of RNA recombination and minority variants. <i>ELife</i> , 2021, 10, .	2.8	22
27	Stability of Yellow Fever Virus under Recombinatory Pressure as Compared with Chikungunya Virus. <i>PLoS ONE</i> , 2011, 6, e23247.	1.1	21
28	Bunyavirus Taxonomy: Limitations and Misconceptions Associated with the Current ICTV Criteria Used for Species Demarcation. <i>American Journal of Tropical Medicine and Hygiene</i> , 2018, 99, 11-16.	0.6	21
29	High Seroprevalence of Dengue Virus Infection in Sudan: Systematic Review and Meta-Analysis. <i>Tropical Medicine and Infectious Disease</i> , 2020, 5, 120.	0.9	20
30	Venezuelan equine encephalitis vaccine with rearranged genome resists reversion and protects non-human primates from viremia after aerosol challenge. <i>Vaccine</i> , 2020, 38, 3378-3386.	1.7	18
31	The pigtail macaque (<i>Macaca nemestrina</i>) model of COVID-19 reproduces diverse clinical outcomes and reveals new and complex signatures of disease. <i>PLoS Pathogens</i> , 2021, 17, e1010162.	2.1	11
32	Immune predictors of mortality following RNA virus infection. <i>Journal of Infectious Diseases</i> , 2020, 221, 882-889.	1.9	10
33	Optimized production and immunogenicity of an insect virus-based chikungunya virus candidate vaccine in cell culture and animal models. <i>Emerging Microbes and Infections</i> , 2021, 10, 305-316.	3.0	9
34	Lineage Divergence and Vector-Specific Adaptation Have Driven Chikungunya Virus onto Multiple Adaptive Landscapes. <i>MBio</i> , 2021, 12, e0273821.	1.8	8
35	Rationally Attenuated Vaccines for Venezuelan Equine Encephalitis Protect Against Epidemic Strains with a Single Dose. <i>Vaccines</i> , 2020, 8, 497.	2.1	6
36	Designing multivalent immunogens for alphavirus vaccine optimization. <i>Virology</i> , 2021, 561, 117-124.	1.1	3

#	ARTICLE	IF	CITATIONS
37	Outbreak of coronavirus disease 2019 (COVID-19) among operating room staff of a tertiary referral center: An epidemiologic and environmental investigation. <i>Infection Control and Hospital Epidemiology</i> , 2022, 43, 319-325.	1.0	2
38	Preclinical Evaluation of a Live Attenuated Chikungunya Vaccine. <i>Procedia in Vaccinology</i> , 2012, 6, 141-149.	0.4	1
39	Characterization of a Dengue Virus Serotype 1 Isolated from a Patient in Ciudad Juarez, Mexico. <i>Pathogens</i> , 2021, 10, 872.	1.2	1