Kenneth S Plante

List of Publications by Year
in descending order

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	Outbreak of coronavirus disease 2019 (COVID-19) among operating room staff of a tertiary referral center: An epidemiologic and environmental investigation. Infection Control and Hospital Epidemiology, 2022, 43, 319-325.	1.0	2
2	The N501Y spike substitution enhances SARS-CoV-2 infection and transmission. Nature, 2022, 602, 294-299.	13.7	364
3	VLDLR and ApoER2 are receptors for multiple alphaviruses. Nature, 2022, 602, 475-480.	13.7	49
4	Nucleocapsid mutations in SARS-CoV-2 augment replication and pathogenesis. PLoS Pathogens, 2022, 18, e1010627.	2.1	85
5	Spike mutation D614G alters SARS-CoV-2 fitness. Nature, 2021, 592, 116-121.	13.7	1,380
6	Acute Respiratory Distress in Aged, SARS-CoV-2â€“Infected African Green Monkeys but Not Rhesus Macaques. American Journal of Pathology, 2021, 191, 274-282.	1.9	123
7	Optimized production and immunogenicity of an insect virus-based chikungunya virus candidate vaccine in cell culture and animal models. Emerging Microbes and Infections, 2021, 10, 305-316.	3.0	9
8	Loss of furin cleavage site attenuates SARS-CoV-2 pathogenesis. Nature, 2021, 591, 293-299.	13.7	579
9	Role of mutational reversions and fitness restoration in Zika virus spread to the Americas. Nature Communications, 2021, 12, 595.	5.8	29
10	Adjuvanting a subunit COVID-19 vaccine to induce protective immunity. Nature, 2021, 594, 253-258.	13.7	253
11	The variant gambit: COVID-19â€™s next move. Cell Host and Microbe, 2021, 29, 508-515.	5.1	305
12	A trans-complementation system for SARS-CoV-2 recapitulates authentic viral replication without virulence. Cell, 2021, 184, 2229-2238.e13.	13.5	51
13	Antiviral activity of oleandrin and a defined extract of Nerium oleander against SARS-CoV-2. Biomedicine and Pharmacotherapy, 2021, 138, 111457.	2.5	23
14	Characterization of a Dengue Virus Serotype 1 Isolated from a Patient in Ciudad Juarez, Mexico. Pathogens, 2021, 10, 872.	1.2	1
15	Tiled-ClickSeq for targeted sequencing of complete coronavirus genomes with simultaneous capture of RNA recombination and minority variants. ELife, 2021, 10, .	2.8	22
16	Designing multivalent immunogens for alphavirus vaccine optimization. Virology, 2021, 561, 117-124.	1.1	3
17	Mouse-adapted SARS-CoV-2 protects animals from lethal SARS-CoV challenge. PLoS Biology, 2021, 19, e3001284.	2.6	54
18	Lineage Divergence and Vector-Specific Adaptation Have Driven Chikungunya Virus onto Multiple Adaptive Landscapes. MBio, 2021, 12, e0273821.	1.8	8

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19	The pigtail macaque (Macaca nemestrina) model of COVID-19 reproduces diverse clinical outcomes and reveals new and complex signatures of disease. PLoS Pathogens, 2021, 17, e1010162.	2.1	11
20	Immune predictors of mortality following RNA virus infection. Journal of Infectious Diseases, 2020, 221, 882-889.	1.9	10
21	Using SHAPE-MaP To Model RNA Secondary Structure and Identify 3â€²UTR Variation in Chikungunya Virus. Journal of Virology, 2020, 94, .	1.5	22
22	Complex Genetic Architecture Underlies Regulation of Influenza-A-Virus-Specific Antibody Responses in the Collaborative Cross. Cell Reports, 2020, 31, 107587.	2.9	31
23	High Seroprevalence of Dengue Virus Infection in Sudan: Systematic Review and Meta-Analysis. Tropical Medicine and Infectious Disease, 2020, 5, 120.	0.9	20
24	Rationally Attenuated Vaccines for Venezuelan Equine Encephalitis Protect Against Epidemic Strains with a Single Dose. Vaccines, 2020, 8, 497.	2.1	6
25	Severe Acute Respiratory Syndrome Coronavirus 2 from Patient with Coronavirus Disease, United States. Emerging Infectious Diseases, 2020, 26, 1266-1273.	2.0	523
26	Venezuelan equine encephalitis vaccine with rearranged genome resists reversion and protects non-human primates from viremia after aerosol challenge. Vaccine, 2020, 38, 3378-3386.	1.7	18
27	An Infectious cDNA Clone of SARS-CoV-2. Cell Host and Microbe, 2020, 27, 841-848.e3.	5.1	617
28	Effects of Chikungunya virus immunity on Mayaro virus disease and epidemic potential. Scientific Reports, 2019, 9, 20399.	1.6	35
29	Structural divergence creates new functional features in alphavirus genomes. Nucleic Acids Research, 2018, 46, 3657-3670.	6.5	45
30	Bayesian Diallel Analysis Reveals Mx1-Dependent and Mx1-Independent Effects on Response to Influenza A Virus in Mice. G3: Genes, Genomes, Genetics, 2018, 8, 427-445.	0.8	27
31	Bunyavirus Taxonomy: Limitations and Misconceptions Associated with the Current ICTV Criteria Used for Species Demarcation. American Journal of Tropical Medicine and Hygiene, 2018, 99, 11-16.	0.6	21
32	Extended Preclinical Safety, Efficacy and Stability Testing of a Live-attenuated Chikungunya Vaccine Candidate. PLoS Neglected Tropical Diseases, 2015, 9, e0004007.	1.3	39
33	Chikungunya Vaccine Candidate Is Highly Attenuated and Protects Nonhuman Primates Against Telemetrically Monitored Disease Following a Single Dose. Journal of Infectious Diseases, 2014, 209, 1891-1899.	1.9	86
34	Multi-peaked adaptive landscape for chikungunya virus evolution predicts continued fitness optimization in Aedes albopictus mosquitoes. Nature Communications, 2014, 5, 4084.	5.8	179
35	The Role of Innate versus Adaptive Immune Responses in a Mouse Model of O'Nyong-Nyong Virus Infection. American Journal of Tropical Medicine and Hygiene, 2013, 88, 1170-1179.	0.6	37
36	Attenuation of Chikungunya Virus Vaccine Strain 181/Clone 25 Is Determined by Two Amino Acid Substitutions in the E2 Envelope Glycoprotein. Journal of Virology, 2012, 86, 6084-6096.	1.5	142

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37	Preclinical Evaluation of a Live Attenuated Chikungunya Vaccine. Procedia in Vaccinology, 2012, 6, 141-149.	0.4	1
38	Stability of Yellow Fever Virus under Recombinatory Pressure as Compared with Chikungunya Virus. PLoS ONE, 2011, 6, e23247.	1.1	21
39	Novel Chikungunya Vaccine Candidate with an IRES-Based Attenuation and Host Range Alteration Mechanism. PLoS Pathogens, 2011, 7, e1002142.	2.1	148