Lisa H Tostanoski

List of Publications by Year
in descending order

42 papers	6,243 citations	218677 26 h-index	243625 44 g-index
50 all docs	50 docs citations	50 times ranked	10859 citing authors

#	Article	IF	Citations
1	Correlates of protection against SARS-CoV-2 in rhesus macaques. Nature, 2021, 590, 630-634.	27.8	995
2	DNA vaccine protection against SARS-CoV-2 in rhesus macaques. Science, 2020, 369, 806-811.	12.6	978
3	SARS-CoV-2 infection protects against rechallenge in rhesus macaques. Science, 2020, 369, 812-817.	12.6	789
4	Single-shot Ad26 vaccine protects against SARS-CoV-2 in rhesus macaques. Nature, 2020, 586, 583-588.	27.8	765
5	Immunogenicity of COVID-19 mRNA Vaccines in Pregnant and Lactating Women. JAMA - Journal of the American Medical Association, 2021, 325, 2370.	7.4	307
6	Immunogenicity of Ad26.COV2.S vaccine against SARS-CoV-2 variants in humans. Nature, 2021, 596, 268-272.	27.8	290
7	Ad26 vaccine protects against SARS-CoV-2 severe clinical disease in hamsters. Nature Medicine, 2020, 26, 1694-1700.	30.7	275
8	Immunogenicity of the Ad26.COV2.S Vaccine for COVID-19. JAMA - Journal of the American Medical Association, 2021, 325, 1535.	7.4	260
9	Novel approaches for vaccine development. Cell, 2021, 184, 1589-1603.	28.9	145
10	Polyelectrolyte Multilayers Assembled Entirely from Immune Signals on Gold Nanoparticle Templates Promote Antigen-Specific T Cell Response. ACS Nano, 2015, 9, 6465-6477.	14.6	134
11	Reprogramming the Local Lymph Node Microenvironment Promotes Tolerance that Is Systemic and Antigen Specific. Cell Reports, 2016, 16, 2940-2952.	6.4	127
12	Reduced pathogenicity of the SARS-CoV-2 omicron variant in hamsters. Med, 2022, 3, 262-268.e4.	4.4	117
13	<i>In Vivo</i> Expansion of Melanoma-Specific T Cells Using Microneedle Arrays Coated with Immune-Polyelectrolyte Multilayers. ACS Biomaterials Science and Engineering, 2017, 3, 195-205.	5.2	77
14	Design of Polyelectrolyte Multilayers to Promote Immunological Tolerance. ACS Nano, 2016, 10, 9334-9345.	14.6	68
15	Engineered SARS-CoV-2 receptor binding domain improves manufacturability in yeast and immunogenicity in mice. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	68
16	Engineering Immunological Tolerance Using Quantum Dots to Tune the Density of Selfâ€Antigen Display. Advanced Functional Materials, 2017, 27, 1700290.	14.9	67
17	Modular Vaccine Design Using Carrier-Free Capsules Assembled from Polyionic Immune Signals. ACS Biomaterials Science and Engineering, 2015, 1, 1200-1205.	5.2	57
18	Engineering self-assembled materials to study and direct immune function. Advanced Drug Delivery Reviews, 2017, 114, 60-78.	13.7	52

#	Article	IF	Citations
19	Polyplexes assembled from self-peptides and regulatory nucleic acids blunt toll-like receptor signaling to combat autoimmunity. Biomaterials, 2017, 118, 51-62.	11.4	52
20	Low-dose Ad26.COV2.S protection against SARS-CoV-2 challenge in rhesus macaques. Cell, 2021, 184, 3467-3473.e11.	28.9	49
21	Controlled delivery of a metabolic modulator promotes regulatory T cells and restrains autoimmunity. Journal of Controlled Release, 2015, 210, 169-178.	9.9	42
22	Protective efficacy of Ad26.COV2.S against SARS-CoV-2 B.1.351 in macaques. Nature, 2021, 596, 423-427.	27.8	40
23	Assembly and Immunological Processing of Polyelectrolyte Multilayers Composed of Antigens and Adjuvants. ACS Applied Materials & Interfaces, 2016, 8, 18722-18731.	8.0	38
24	Correlates of Neutralization against SARS-CoV-2 Variants of Concern by Early Pandemic Sera. Journal of Virology, 2021, 95, e0040421.	3.4	34
25	Intra-lymph Node Injection of Biodegradable Polymer Particles. Journal of Visualized Experiments, 2014, , e50984.	0.3	33
26	Immunity elicited by natural infection or Ad26.COV2.S vaccination protects hamsters against SARS-CoV-2 variants of concern. Science Translational Medicine, 2021, 13, eabj3789.	12.4	32
27	Low-dose controlled release of mTOR inhibitors maintains T cell plasticity and promotes central memory T cells. Journal of Controlled Release, 2017, 263, 151-161.	9.9	28
28	SARS-CoV-2 receptor binding domain displayed on HBsAg virusâ€"like particles elicits protective immunity in macaques. Science Advances, 2022, 8, eabl6015.	10.3	27
29	Adenovirus Vector-Based Vaccines Confer Maternal-Fetal Protection against Zika Virus Challenge in Pregnant IFN-Î±Î²Râˆ'/âˆ' Mice. Cell Host and Microbe, 2019, 26, 591-600.e4.	11.0	26
30	Differential Regulation of T-cell Immunity and Tolerance by Stromal Laminin Expressed in the Lymph Node. Transplantation, 2019, 103, 2075-2089.	1.0	26
31	Engineering tolerance using biomaterials to target and control antigen presenting cells. Discovery Medicine, 2016, 21, 403-10.	0.5	25
32	Engineering release kinetics with polyelectrolyte multilayers to modulate TLR signaling and promote immune tolerance. Biomaterials Science, 2019, 7, 798-808.	5.4	16
33	Prior infection with SARS-CoV-2 WA1/2020 partially protects rhesus macaques against reinfection with B.1.1.7 and B.1.351 variants. Science Translational Medicine, 2021, 13, eabj2641.	12.4	15
34	Controlled Release of Second Generation mTOR Inhibitors to Restrain Inflammation in Primary Immune Cells. AAPS Journal, 2017, 19, 1175-1185.	4.4	14
35	Defining the determinants of protection against SARS-CoV-2 infection and viral control in a dose-down Ad26.CoV2.S vaccine study in nonhuman primates. PLoS Biology, 2022, 20, e3001609.	5.6	14
36	Targeted Programming of the Lymph Node Environment Causes Evolution of Local and Systemic Immunity. Cellular and Molecular Bioengineering, 2016, 9, 418-432.	2.1	13

#	Article	IF	Citations
37	Exploiting Rational Assembly to Map Distinct Roles of Regulatory Cues during Autoimmune Therapy. ACS Nano, 2021, 15, 4305-4320.	14.6	13
38	Protective Efficacy of Rhesus Adenovirus COVID-19 Vaccines against Mouse-Adapted SARS-CoV-2. Journal of Virology, 2021, 95, e0097421.	3.4	12
39	Advanced manufacturing of microdisk vaccines for uniform control of material properties and immune cell function. Biomaterials Science, 2018, 6, 115-124.	5.4	10
40	Durability and expansion of neutralizing antibody breadth following Ad26.COV2.S vaccination of mice. Npj Vaccines, 2022, 7, 23.	6.0	6
41	Passive transfer of Ad26.COV2.S-elicited IgG from humans attenuates SARS-CoV-2 disease in hamsters. Npj Vaccines, 2022, 7, 2.	6.0	2
42	Reduced SARS-CoV-2 disease outcomes in Syrian hamsters receiving immune sera: Quantitative image analysis in pathologic assessments. Veterinary Pathology, 2022, , 030098582210957.	1.7	2