

Theodore L Roth

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

8,696
citations

236925

25
h-index

395702

33
g-index

44
all docs

44
docs citations

44
times ranked

17055
citing authors

#	ARTICLE	IF	CITATIONS
1	A SARS-CoV-2 protein interaction map reveals targets for drug repurposing. <i>Nature</i> , 2020, 583, 459-468.	27.8	3,542
2	Microglia Development and Function. <i>Annual Review of Immunology</i> , 2014, 32, 367-402.	21.8	763
3	Reprogramming human T cell function and specificity with non-viral genome targeting. <i>Nature</i> , 2018, 559, 405-409.	27.8	630
4	Inflammation and Neuroprotection in Traumatic Brain Injury. <i>JAMA Neurology</i> , 2015, 72, 355.	9.0	625
5	Comparative host-coronavirus protein interaction networks reveal pan-viral disease mechanisms. <i>Science</i> , 2020, 370, .	12.6	508
6	Transcranial amelioration of inflammation and cell death after brain injury. <i>Nature</i> , 2014, 505, 223-228.	27.8	464
7	Genome-wide CRISPR Screens in Primary Human T Cells Reveal Key Regulators of Immune Function. <i>Cell</i> , 2018, 175, 1958-1971.e15.	28.9	378
8	Discovery of stimulation-responsive immune enhancers with CRISPR activation. <i>Nature</i> , 2017, 549, 111-115.	27.8	247
9	Polymer-stabilized Cas9 nanoparticles and modified repair templates increase genome editing efficiency. <i>Nature Biotechnology</i> , 2020, 38, 44-49.	17.5	198
10	CRISPR screen in regulatory T cells reveals modulators of Foxp3. <i>Nature</i> , 2020, 582, 416-420.	27.8	141
11	Pooled Knockin Targeting for Genome Engineering of Cellular Immunotherapies. <i>Cell</i> , 2020, 181, 728-744.e21.	28.9	131
12	Orthotopic replacement of T-cell receptor α - and β -chains with preservation of near-physiological T-cell function. <i>Nature Biomedical Engineering</i> , 2019, 3, 974-984.	22.5	112
13	CRISPR-Cas9 genome engineering of primary CD4+ T cells for the interrogation of HIV-host factor interactions. <i>Nature Protocols</i> , 2019, 14, 1-27.	12.0	98
14	Single-molecule imaging of Hedgehog pathway protein Smoothed in primary cilia reveals binding events regulated by Patched1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 8320-8325.	7.1	89
15	Large dataset enables prediction of repair after CRISPR-Cas9 editing in primary T cells. <i>Nature Biotechnology</i> , 2019, 37, 1034-1037.	17.5	87
16	Migratory and adhesive cues controlling innate-like lymphocyte surveillance of the pathogen-exposed surface of the lymph node. <i>ELife</i> , 2016, 5, .	6.0	79
17	XYZeq: Spatially resolved single-cell RNA sequencing reveals expression heterogeneity in the tumor microenvironment. <i>Science Advances</i> , 2021, 7, .	10.3	64
18	The CD28-Transmembrane Domain Mediates Chimeric Antigen Receptor Heterodimerization With CD28. <i>Frontiers in Immunology</i> , 2021, 12, 639818.	4.8	60

#	ARTICLE	IF	CITATIONS
19	Functional CRISPR dissection of gene networks controlling human regulatory T cell identity. <i>Nature Immunology</i> , 2020, 21, 1456-1466.	14.5	57
20	Type I Interferon Programs Innate Myeloid Dynamics and Gene Expression in the Virally Infected Nervous System. <i>PLoS Pathogens</i> , 2013, 9, e1003395.	4.7	46
21	TCF-1 regulates HIV-specific CD8+ T cell expansion capacity. <i>JCI Insight</i> , 2021, 6, .	5.0	43
22	Light-activated cell identification and sorting (LACIS) for selection of edited clones on a nanofluidic device. <i>Communications Biology</i> , 2018, 1, 41.	4.4	40
23	Genetic engineering in primary human B cells with CRISPR-Cas9 ribonucleoproteins. <i>Journal of Immunological Methods</i> , 2018, 457, 33-40.	1.4	39
24	Helios enhances the preferential differentiation of human fetal CD4 ⁺ naïve T cells into regulatory T cells. <i>Science Immunology</i> , 2019, 4, .	11.9	31
25	Enhanced Genome Editing with Cas9 Ribonucleoprotein in Diverse Cells and Organisms. <i>Journal of Visualized Experiments</i> , 2018, , .	0.3	29
26	Epithelial miR-141 regulates IL-13 ⁺ induced airway mucus production. <i>JCI Insight</i> , 2021, 6, .	5.0	29
27	Efficient generation of isogenic primary human myeloid cells using CRISPR-Cas9 ribonucleoproteins. <i>Cell Reports</i> , 2021, 35, 109105.	6.4	29
28	A functional map of HIV-host interactions in primary human T cells. <i>Nature Communications</i> , 2022, 13, 1752.	12.8	27
29	Genetic Disease and Therapy. <i>Annual Review of Pathology: Mechanisms of Disease</i> , 2021, 16, 145-166.	22.4	21
30	A Rapid and Simple Method for DNA Engineering Using Cycled Ligation Assembly. <i>PLoS ONE</i> , 2014, 9, e107329.	2.5	20
31	A large CRISPR-induced bystander mutation causes immune dysregulation. <i>Communications Biology</i> , 2019, 2, 70.	4.4	19
32	Robust T cell activation requires an eIF3-driven burst in T cell receptor translation. <i>ELife</i> , 2021, 10, .	6.0	14
33	Editing of Endogenous Genes in Cellular Immunotherapies. <i>Current Hematologic Malignancy Reports</i> , 2020, 15, 235-240.	2.3	4