Elizabeth M Kolawole

List of Publications by Year
in descending order

13 papers	506 citations	1040056 9 h-index	1125743 13 g-index
13 all docs	13 docs citations	13 times ranked	777 citing authors

#	Article	IF	Citations
1	Isolation of a Structural Mechanism for Uncoupling T Cell Receptor Signaling from Peptide-MHC Binding. Cell, 2018, 174, 672-687.e27.	28.9	229
2	Canonical T cell receptor docking on peptide–MHC is essential for T cell signaling. Science, 2021, 372, .	12.6	53
3	Tuning T cell receptor sensitivity through catch bond engineering. Science, 2022, 376, eabl5282.	12.6	53
4	IL-21 from high-affinity CD4 T cells drives differentiation of brain-resident CD8 T cells during persistent viral infection. Science Immunology, 2020, 5, .	11.9	43
5	Mechanobiology of T Cell Activation: To Catch a Bond. Annual Review of Cell and Developmental Biology, 2021, 37, 65-87.	9.4	27
6	2D Kinetic Analysis of TCR and CD8 Coreceptor for LCMV GP33 Epitopes. Frontiers in Immunology, 2018, 9, 2348.	4.8	24
7	CD4 T Cell Affinity Diversity Is Equally Maintained during Acute and Chronic Infection. Journal of Immunology, 2018, 201, 19-30.	0.8	19
8	Discriminative T cell recognition of cross-reactive islet-antigens is associated with HLA-DQ8 transdimer–mediated autoimmune diabetes. Science Advances, 2019, 5, eaaw9336.	10.3	15
9	MHC class II tetramers engineered for enhanced binding to CD4 improve detection of antigen-specific T cells. Nature Biotechnology, 2021, 39, 943-948.	17.5	14
10	A Hybrid Insulin Epitope Maintains High 2D Affinity for Diabetogenic T Cells in the Periphery. Diabetes, 2020, 69, 381-391.	0.6	12
11	A Critical Insulin TCR Contact Residue Selects High-Affinity and Pathogenic Insulin-Specific T Cells. Diabetes, 2020, 69, 392-400.	0.6	6
12	An Engineered T Cell Receptor Variant Realizes the Limits of Functional Binding Modes. Biochemistry, 2020, 59, 4163-4175.	2.5	6
13	Relationship of 2D Affinity to T Cell Functional Outcomes. International Journal of Molecular Sciences, 2020, 21, 7969.	4.1	5