Elizabeth M Kolawole

List of Publications by Year
in descending order

13	506	1040056 9	1125743 13
papers	citations	h-index	g-index

13	13	13	777
all docs	docs citations	times ranked	citing authors

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