

Carrie R Willcox

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

1,656
citations

471509

17
h-index

610901

24
g-index

24
all docs

24
docs citations

24
times ranked

2330
citing authors

#	ARTICLE	IF	CITATIONS
1	Cytomegalovirus and tumor stress surveillance by binding of a human $\hat{V}^{\beta}1$ T cell antigen receptor to endothelial protein C receptor. <i>Nature Immunology</i> , 2012, 13, 872-879.	14.5	257
2	Clonal selection in the human $\hat{V}^{\beta}1$ T cell repertoire indicates $\hat{V}^{\beta}1$ TCR-dependent adaptive immune surveillance. <i>Nature Communications</i> , 2017, 8, 14760.	12.8	203
3	The human $\hat{V}^{\beta}2+$ T-cell compartment comprises distinct innate-like $\hat{V}^{\beta}9+$ and adaptive $\hat{V}^{\beta}9-$ subsets. <i>Nature Communications</i> , 2018, 9, 1760.	12.8	167
4	Butyrophilin-2A1 Directly Binds Germline-Encoded Regions of the $\hat{V}^{\beta}9\hat{V}^{\beta}2$ TCR and Is Essential for Phosphoantigen Sensing. <i>Immunity</i> , 2020, 52, 487-498.e6.	14.3	164
5	$\hat{V}^{\beta}1$ TCR ligands: the quest to solve a 500-million-year-old mystery. <i>Nature Immunology</i> , 2019, 20, 121-128.	14.5	104
6	Human liver infiltrating $\hat{V}^{\beta}1$ T cells are composed of clonally expanded circulating and tissue-resident populations. <i>Journal of Hepatology</i> , 2018, 69, 654-665.	3.7	103
7	Butyrophilin-like 3 Directly Binds a Human $\hat{V}^{\beta}4+$ T Cell Receptor Using a Modality Distinct from Clonally-Restricted Antigen. <i>Immunity</i> , 2019, 51, 813-825.e4.	14.3	102
8	Sensing of cell stress by human $\hat{V}^{\beta}1$ TCR-dependent recognition of annexin A2. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 3163-3168.	7.1	97
9	Development and Selection of the Human $\hat{V}^{\beta}9\hat{V}^{\beta}2+$ T-Cell Repertoire. <i>Frontiers in Immunology</i> , 2018, 9, 1501.	4.8	66
10	Recasting Human $\hat{V}^{\beta}1$ Lymphocytes in an Adaptive Role. <i>Trends in Immunology</i> , 2018, 39, 446-459.	6.8	65
11	BTN3A1 Discriminates $\hat{V}^{\beta}1$ T Cell Phosphoantigens from Nonantigenic Small Molecules <i>via</i> a Conformational Sensor in Its B30.2 Domain. <i>ACS Chemical Biology</i> , 2017, 12, 2631-2643.	3.4	50
12	Immunological Visibility: Posttranscriptional Regulation of Human NKG2D Ligands by the EGF Receptor Pathway. <i>Science Translational Medicine</i> , 2014, 6, 231ra49.	12.4	49
13	The antigenic identity of human class I MHC phosphopeptides is critically dependent upon phosphorylation status. <i>Oncotarget</i> , 2017, 8, 54160-54172.	1.8	42
14	Development of a high-sensitivity ELISA detecting IgG, IgA and IgM antibodies to the SARS-CoV-2 spike glycoprotein in serum and saliva. <i>Immunology</i> , 2021, 164, 135-147.	4.4	35
15	The distinct MHC-unrestricted immunobiology of innate-like and adaptive-like human $\hat{V}^{\beta}1$ T cell subsets—Nature's CAR T cells. <i>Immunological Reviews</i> , 2020, 298, 25-46.	6.0	29
16	A disease-linked <i>ULBP6</i> polymorphism inhibits NKG2D-mediated target cell killing by enhancing the stability of NKG2D ligand binding. <i>Science Signaling</i> , 2017, 10, .	3.6	23
17	Human $\hat{V}^{\beta}1$ T cell sensing of AMPK-dependent metabolic tumor reprogramming through TCR recognition of EphA2. <i>Science Immunology</i> , 2021, 6, .	11.9	23
18	Characterization of a Putative Receptor Binding Surface on Skint-1, a Critical Determinant of Dendritic Epidermal T Cell Selection. <i>Journal of Biological Chemistry</i> , 2016, 291, 9310-9321.	3.4	20

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19	VÎ2+ T Cellsâ€™ Two Subsets for the Price of One. <i>Frontiers in Immunology</i> , 2018, 9, 2106.	4.8	17
20	SARSâ€CoVâ€2â€specific IgG1/IgG3 but not IgM in children with Pediatric Inflammatory Multiâ€System Syndrome. <i>Pediatric Allergy and Immunology</i> , 2021, 32, 1125-1129.	2.6	13
21	Transcriptional profiling of human VÎ1 TÎ cells reveals a pathogen-driven adaptive differentiation program. <i>Cell Reports</i> , 2022, 39, 110858.	6.4	13
22	Endothelial protein C receptor is overexpressed in colorectal cancer as a result of amplification and hypomethylation of chromosome 20q. <i>Journal of Pathology: Clinical Research</i> , 2017, 3, 155-170.	3.0	7
23	Î³Î TCR Recognition of MR1: Adapting to Life on the Flip Side. <i>Trends in Biochemical Sciences</i> , 2020, 45, 551-553.	7.5	4