

Esam Tolba Abualrous

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2194856/publications.pdf>

Version: 2024-02-01

19
papers

1,171
citations

759233

12
h-index

888059

17
g-index

22
all docs

22
docs citations

22
times ranked

1878
citing authors

#	ARTICLE	IF	CITATIONS
1	Major Histocompatibility Complex (MHC) Class I and MHC Class II Proteins: Conformational Plasticity in Antigen Presentation. <i>Frontiers in Immunology</i> , 2017, 8, 292.	4.8	657
2	Protein-peptide association kinetics beyond the seconds timescale from atomistic simulations. <i>Nature Communications</i> , 2017, 8, 1095.	12.8	137
3	Peptide-independent stabilization of MHC class I molecules breaches cellular quality control*. <i>Journal of Cell Science</i> , 2014, 127, 2885-97.	2.0	57
4	F pocket flexibility influences the tapasin dependence of two differentially disease-associated MHC Class I proteins. <i>European Journal of Immunology</i> , 2015, 45, 1248-1257.	2.9	48
5	Dynamically Driven Allostery in MHC Proteins: Peptide-Dependent Tuning of Class I MHC Global Flexibility. <i>Frontiers in Immunology</i> , 2019, 10, 966.	4.8	41
6	Quantification of HLA-DM-Dependent Major Histocompatibility Complex of Class II Immunopeptidomes by the Peptide Landscape Antigenic Epitope Alignment Utility. <i>Frontiers in Immunology</i> , 2018, 9, 872.	4.8	38
7	The Carboxy Terminus of the Ligand Peptide Determines the Stability of the MHC Class I Molecule H-2Kb: A Combined Molecular Dynamics and Experimental Study. <i>PLoS ONE</i> , 2015, 10, e0135421.	2.5	35
8	Not all empty MHC class I molecules are molten globules: Tryptophan fluorescence reveals a two-step mechanism of thermal denaturation. <i>Molecular Immunology</i> , 2013, 54, 386-396.	2.2	33
9	Major histocompatibility complex (MHC) class I and class II proteins: impact of polymorphism on antigen presentation. <i>Current Opinion in Immunology</i> , 2021, 70, 95-104.	5.5	23
10	Proline substitution independently enhances H ² -D ^b complex stabilization and TCR recognition of melanoma-associated peptides. <i>European Journal of Immunology</i> , 2013, 43, 3051-3060.	2.9	22
11	Exchange catalysis by tapasin exploits conserved and allele-specific features of MHC-I molecules. <i>Nature Communications</i> , 2021, 12, 4236.	12.8	20
12	Distinct editing functions of natural HLA-DM allotypes impact antigen presentation and CD4+ T cell activation. <i>Cellular and Molecular Immunology</i> , 2020, 17, 133-142.	10.5	17
13	Geometrical characterization of T cell receptor binding modes reveals class-specific binding to maximize access to antigen. <i>Proteins: Structure, Function and Bioinformatics</i> , 2020, 88, 503-513.	2.6	15
14	Distinct mechanisms survey the structural integrity of HLA-B*27:05 intracellularly and at the surface. <i>PLoS ONE</i> , 2018, 13, e0200811.	2.5	10
15	Functional analysis of peripheral and intratumoral neoantigen-specific TCRs identified in a patient with melanoma. , 2021, 9, e002754.		7
16	Release from Endoplasmic Reticulum Matrix Proteins Controls Cell Surface Transport of MHC Class I Molecules. <i>Traffic</i> , 2015, 16, 591-603.	2.7	4
17	FBP21's C-Terminal Domain Remains Dynamic When Wrapped around the c-Sec63 Unit of Brr2 Helicase. <i>Biophysical Journal</i> , 2019, 116, 406-418.	0.5	2
18	The Prominence of the Ligand Peptide Carboxyl Terminus in the MHC Class I Molecules Stability and Affinity. <i>Biophysical Journal</i> , 2014, 106, 662a-663a.	0.5	0

#	ARTICLE	IF	CITATIONS
19	The Carboxy Terminus of the Ligand Peptide Determines MHC Class I Complex Stability: A Combined Molecular Dynamics and Experimental Study. Biophysical Journal, 2015, 108, 316a.	0.5	0