

# Doriana Fruci

## List of Publications by Citations

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74  
papers

2,558  
citations

26  
h-index

49  
g-index

81  
ext. papers

3,062  
ext. citations

6.6  
avg, IF

4.75  
L-index

#	Paper	IF	Citations
74	Concerted peptide trimming by human ERAP1 and ERAP2 aminopeptidase complexes in the endoplasmic reticulum. <i>Nature Immunology</i> , <b>2005</b> , 6, 689-97	19.1	361
73	Antagomir-17-5p abolishes the growth of therapy-resistant neuroblastoma through p21 and BIM. <i>PLoS ONE</i> , <b>2008</b> , 3, e2236	3.7	312
72	Control of cross-presentation during dendritic cell maturation. <i>European Journal of Immunology</i> , <b>2004</b> , 34, 398-407	6.1	121
71	Influence of the Tumor Microenvironment on NK Cell Function in Solid Tumors. <i>Frontiers in Immunology</i> , <b>2019</b> , 10, 3038	8.4	114
70	Expression of endoplasmic reticulum aminopeptidases in EBV-B cell lines from healthy donors and in leukemia/lymphoma, carcinoma, and melanoma cell lines. <i>Journal of Immunology</i> , <b>2006</b> , 176, 4869-79	5.3	77
69	Tumor-infiltrating T lymphocytes improve clinical outcome of therapy-resistant neuroblastoma. <i>Oncolmmunology</i> , <b>2015</b> , 4, e1019981	7.2	75
68	Altered expression of endoplasmic reticulum aminopeptidases ERAP1 and ERAP2 in transformed non-lymphoid human tissues. <i>Journal of Cellular Physiology</i> , <b>2008</b> , 216, 742-9	7	73
67	Multidrug resistance and cancer stem cells in neuroblastoma and hepatoblastoma. <i>International Journal of Molecular Sciences</i> , <b>2013</b> , 14, 24706-25	6.3	69
66	Efficient MHC class I-independent amino-terminal trimming of epitope precursor peptides in the endoplasmic reticulum. <i>Immunity</i> , <b>2001</b> , 15, 467-76	32.3	68
65	Beyond the proteasome: trimming, degradation and generation of MHC class I ligands by auxiliary proteases. <i>Molecular Immunology</i> , <b>2002</b> , 39, 203-15	4.3	62
64	PD-L1 Is a Therapeutic Target of the Bromodomain Inhibitor JQ1 and, Combined with HLA Class I, a Promising Prognostic Biomarker in Neuroblastoma. <i>Clinical Cancer Research</i> , <b>2017</b> , 23, 4462-4472	12.9	59
63	Natural killer cells efficiently reject lymphoma silenced for the endoplasmic reticulum aminopeptidase associated with antigen processing. <i>Cancer Research</i> , <b>2011</b> , 71, 1597-606	10.1	58
62	The putative role of endoplasmic reticulum aminopeptidases in autoimmunity: insights from genomic-wide association studies. <i>Autoimmunity Reviews</i> , <b>2012</b> , 12, 281-8	13.6	55
61	Role of endoplasmic reticulum aminopeptidases in health and disease: from infection to cancer. <i>International Journal of Molecular Sciences</i> , <b>2012</b> , 13, 8338-52	6.3	51
60	NF-kappaB, and not MYCN, regulates MHC class I and endoplasmic reticulum aminopeptidases in human neuroblastoma cells. <i>Cancer Research</i> , <b>2010</b> , 70, 916-24	10.1	47
59	Quantifying recruitment of cytosolic peptides for HLA class I presentation: impact of TAP transport. <i>Journal of Immunology</i> , <b>2003</b> , 170, 2977-84	5.3	46
58	A role for naturally occurring alleles of endoplasmic reticulum aminopeptidases in tumor immunity and cancer pre-disposition. <i>Frontiers in Oncology</i> , <b>2014</b> , 4, 363	5.3	44

57	ERAP1 regulates natural killer cell function by controlling the engagement of inhibitory receptors. <i>Cancer Research</i> , <b>2015</b> , 75, 824-34	10.1	43
56	IRF1 and NF-κB restore MHC class I-restricted tumor antigen processing and presentation to cytotoxic T cells in aggressive neuroblastoma. <i>PLoS ONE</i> , <b>2012</b> , 7, e46928	3.7	43
55	Effect of the [CCTG] <sub>n</sub> repeat expansion on ZNF9 expression in myotonic dystrophy type II (DM2). <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>2006</b> , 1762, 329-34	6.9	36
54	Linkage analysis of multiple sclerosis with candidate region markers in Sardinian and Continental Italian families. <i>European Journal of Human Genetics</i> , <b>1999</b> , 7, 377-85	5.3	34
53	The peptide binding specificity of HLA-B27 subtypes. <i>Immunogenetics</i> , <b>1994</b> , 40, 192-8	3.2	32
52	HLA-A2-binding peptides cross-react not only within the A2 subgroup but also with other HLA-A-locus allelic products. <i>Human Immunology</i> , <b>1994</b> , 39, 155-62	2.3	32
51	Major histocompatibility complex class I and tumour immuno-evasion: how to fool T cells and natural killer cells at one time. <i>Current Oncology</i> , <b>2012</b> , 19, 39-41	2.8	29
50	Cellular and gene signatures of tumor-infiltrating dendritic cells and natural-killer cells predict prognosis of neuroblastoma. <i>Nature Communications</i> , <b>2020</b> , 11, 5992	17.4	28
49	The importance of secondary anchor residue motifs of HLA class I proteins: a chemometric approach. <i>Molecular Immunology</i> , <b>1994</b> , 31, 549-54	4.3	27
48	Endoplasmic reticulum aminopeptidase 1 function and its pathogenic role in regulating innate and adaptive immunity in cancer and major histocompatibility complex class I-associated autoimmune diseases. <i>Tissue Antigens</i> , <b>2014</b> , 84, 177-86		26
47	Drug Transporters and Multiple Drug Resistance in Pediatric Solid Tumors. <i>Current Drug Metabolism</i> , <b>2016</b> , 17, 308-16	3.5	26
46	Regulation of ERAP1 and ERAP2 genes and their dysfunction in human cancer. <i>Human Immunology</i> , <b>2019</b> , 80, 318-324	2.3	25
45	The MRN complex is transcriptionally regulated by MYCN during neural cell proliferation to control replication stress. <i>Cell Death and Differentiation</i> , <b>2016</b> , 23, 197-206	12.7	24
44	Characterization of antigenic peptides presented by HLA-B44 molecules on tumor cells expressing the gene MAGE-3. <i>International Journal of Cancer</i> , <b>1996</b> , 68, 622-8	7.5	24
43	Exosomal microRNAs from Longitudinal Liquid Biopsies for the Prediction of Response to Induction Chemotherapy in High-Risk Neuroblastoma Patients: A Proof of Concept SIOPEX Study. <i>Cancers</i> , <b>2019</b> , 11,	6.6	22
42	MYCN is an immunosuppressive oncogene dampening the expression of ligands for NK-cell-activating receptors in human high-risk neuroblastoma. <i>Oncotarget</i> , <b>2017</b> , 6, e1316439	7.2	21
41	ERAP1 promotes Hedgehog-dependent tumorigenesis by controlling USP47-mediated degradation of Irf3. <i>Nature Communications</i> , <b>2019</b> , 10, 3304	17.4	21
40	Anchor residue motifs of HLA class I-binding peptides analyzed by the direct binding of synthetic peptides to HLA class I alpha chains. <i>Human Immunology</i> , <b>1993</b> , 38, 187-92	2.3	21

39	The Role of HCMV and HIV-1 MicroRNAs: Processing, and Mechanisms of Action during Viral Infection. <i>Frontiers in Microbiology</i> , <b>2017</b> , 8, 689	5.7	20
38	Unfolded HLA class I alpha chains and their use in an assay of HLA class-I-peptide binding. <i>Human Immunology</i> , <b>1993</b> , 36, 119-27	2.3	19
37	HLA class I binding of synthetic nonamer peptides carrying major anchor residue motifs of HLA-B27 (B*2705)-binding peptides. <i>Immunogenetics</i> , <b>1993</b> , 38, 41-6	3.2	19
36	Counter-regulation of regulatory T cells by autoreactive CD8 T cells in rheumatoid arthritis. <i>Journal of Autoimmunity</i> , <b>2019</b> , 99, 81-97	15.5	18
35	Class I HLA folding and antigen presentation in beta 2-microglobulin-defective Daudi cells. <i>Journal of Immunology</i> , <b>2009</b> , 182, 3609-17	5.3	18
34	Genetic risk factors in typical haemolytic uraemic syndrome. <i>Nephrology Dialysis Transplantation</i> , <b>2009</b> , 24, 1851-7	4.3	18
33	Identification of a Genetic Variation in ERAP1 Aminopeptidase that Prevents Human Cytomegalovirus miR-UL112-5p-Mediated Immuno-evasion. <i>Cell Reports</i> , <b>2017</b> , 20, 846-853	10.6	16
32	News on immune checkpoint inhibitors as immunotherapy strategies in adult and pediatric solid tumors. <i>Seminars in Cancer Biology</i> , <b>2020</b> ,	12.7	14
31	Redundancy and Complementarity between ERAP1 and ERAP2 Revealed by their Effects on the Behcet Disease-associated HLA-B*51 Peptidome. <i>Molecular and Cellular Proteomics</i> , <b>2019</b> , 18, 1491-1510	7.6	12
30	The peptide-binding specificity of HLA-B27 subtype (B*2705) analyzed by the use of polyalanine model peptides. <i>Human Immunology</i> , <b>1994</b> , 41, 34-8	2.3	11
29	Genetically driven CD39 expression shapes human tumor-infiltrating CD8 T-cell functions. <i>International Journal of Cancer</i> , <b>2020</b> , 147, 2597-2610	7.5	10
28	Impaired assembly results in the accumulation of multiple HLA-C heavy chain folding intermediates. <i>Journal of Immunology</i> , <b>2005</b> , 175, 6651-8	5.3	10
27	Differences in peptide-binding specificity of two ankylosing spondylitis-associated HLA-B27 subtypes. <i>Immunogenetics</i> , <b>1995</b> , 42, 123-8	3.2	10
26	Nutlin-3a Enhances Natural Killer Cell-Mediated Killing of Neuroblastoma by Restoring p53-Dependent Expression of Ligands for NKG2D and DNAM-1 Receptors. <i>Cancer Immunology Research</i> , <b>2021</b> , 9, 170-183	12.5	10
25	High-resolution array CGH profiling identifies Na/K transporting ATPase interacting 2 (NKAIN2) as a predisposing candidate gene in neuroblastoma. <i>PLoS ONE</i> , <b>2013</b> , 8, e78481	3.7	9
24	Epigenetic deregulation of microRNAs in rhabdomyosarcoma and neuroblastoma and translational perspectives. <i>International Journal of Molecular Sciences</i> , <b>2012</b> , 13, 16554-79	6.3	9
23	The BET-bromodomain inhibitor JQ1 renders neuroblastoma cells more resistant to NK cell-mediated recognition and killing by downregulating ligands for NKG2D and DNAM-1 receptors. <i>Oncotarget</i> , <b>2019</b> , 10, 2151-2160	3.3	9
22	Tumor-infiltrating T cells and PD-L1 expression in childhood malignant extracranial germ-cell tumors. <i>Oncimmunology</i> , <b>2019</b> , 8, e1542245	7.2	8

21	Angiotensin-converting enzyme (ACE) haplotypes and cyclosporine A (CsA) response: a model of the complex relationship between ACE quantitative trait locus and pathological phenotypes. <i>Human Molecular Genetics</i> , <b>2005</b> , 14, 2357-67	5.6	7
20	Augmentation of the affinity of HLA class I-binding peptides lacking primary anchor residues by manipulation of the secondary anchor residues. <i>Journal of Peptide Science</i> , <b>1995</b> , 1, 266-73	2.1	7
19	Exploring myelin basic protein for HLA class I-binding sequences. <i>European Journal of Immunology</i> , <b>1994</b> , 24, 2196-202	6.1	7
18	N-linked glycosylation selectively regulates the generic folding of HLA-Cw1. <i>Journal of Biological Chemistry</i> , <b>2008</b> , 283, 16469-76	5.4	6
17	Assembly and selective "in synthesis" labeling of quenched fluorogenic protease substrates. <i>Analytical Biochemistry</i> , <b>2006</b> , 357, 194-9	3.1	6
16	ERAP1 and ERAP2 Enzymes: A Protective Shield for RAS against COVID-19?. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	6
15	HLA-E and the origin of immunogenic self HLA epitopes. <i>Molecular Immunology</i> , <b>2010</b> , 47, 1661-2; author reply 1163-4	4.3	5
14	Role of genetic variations on MHC class I antigen-processing genes in human cancer and viral-mediated diseases. <i>Molecular Immunology</i> , <b>2019</b> , 113, 11-15	4.3	5
13	Dendritic Cells: Behind the Scenes of T-Cell Infiltration into the Tumor Microenvironment. <i>Cancers</i> , <b>2021</b> , 13,	6.6	5
12	Hedgehog/hyaluronic acid interaction network in nonalcoholic fatty liver disease, fibrosis, and hepatocellular carcinoma. <i>Hepatology</i> , <b>2012</b> , 56, 1589	11.2	4
11	Human hepatic stellate cells are liver-resident antigen-presenting cells. <i>Hepatology</i> , <b>2011</b> , 54, 1107	11.2	4
10	ERAAP modulation: A possible novel strategy for cancer immunotherapy?. <i>OncolImmunology</i> , <b>2012</b> , 1, 81-82	7.2	4
9	Expression of multidrug resistance-associated proteins in paediatric soft tissue sarcomas before and after chemotherapy. <i>International Journal of Oncology</i> , <b>2012</b> , 41, 117-24	4.4	4
8	GD2 redirected CAR T and activated NK-cell-mediated secretion of IFN $\gamma$ overcomes MYCN-dependent IDO1 inhibition, contributing to neuroblastoma cell immune escape <b>2021</b> , 9,		4
7	Peptide Trimming for MHC Class I Presentation by Endoplasmic Reticulum Aminopeptidases. <i>Methods in Molecular Biology</i> , <b>2019</b> , 1988, 45-57	1.4	3
6	Global changes in gene expression in Escherichia coli K12 induced by bacteriophage Mu Gem protein. <i>Research in Microbiology</i> , <b>1991</b> , 142, 13-21	4	3
5	Impact of Natural Occurring Single Nucleotide Polymorphisms within miRNA-Binding Sites on HCMV Infection. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	2
4	ERAP1 Controls the Interaction of the Inhibitory Receptor KIR3DL1 With HLA-B51:01 by Affecting Natural Killer Cell Function.. <i>Frontiers in Immunology</i> , <b>2021</b> , 12, 778103	8.4	1

3	Case-control analysis of the <i>ERAP1</i> polymorphism rs30187 in Italian type 1 diabetes mellitus patients. <i>Health</i> , <b>2013</b> , 05, 2150-2155	0.4	1
2	ERAP1 as an emerging therapeutic target for medulloblastoma. <i>Trends in Cancer</i> , <b>2021</b> ,	12.5	1
1	A New Insight into Pediatric Leukemia: Che-1 Involvement in Oncogenic c-Myc Signaling. <i>Blood</i> , <b>2016</b> , 128, 5267-5267	2.2	