

# Doriana Fruci

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8802987/publications.pdf>

Version: 2024-02-01

81  
papers

3,391  
citations

159525

30  
h-index

155592

55  
g-index

81  
all docs

81  
docs citations

81  
times ranked

5106  
citing authors

#	ARTICLE	IF	CITATIONS
1	Concerted peptide trimming by human ERAP1 and ERAP2 aminopeptidase complexes in the endoplasmic reticulum. <i>Nature Immunology</i> , 2005, 6, 689-697.	7.0	420
2	Antagomir-17-5p Abolishes the Growth of Therapy-Resistant Neuroblastoma through p21 and BIM. <i>PLoS ONE</i> , 2008, 3, e2236.	1.1	345
3	Influence of the Tumor Microenvironment on NK Cell Function in Solid Tumors. <i>Frontiers in Immunology</i> , 2019, 10, 3038.	2.2	245
4	Control of cross-presentation during dendritic cell maturation. <i>European Journal of Immunology</i> , 2004, 34, 398-407.	1.6	134
5	Tumor-infiltrating T lymphocytes improve clinical outcome of therapy-resistant neuroblastoma. <i>OncImmunology</i> , 2015, 4, e1019981.	2.1	105
6	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> , 2006, 176, 4869-4879.	0.4	88
7	Cellular and gene signatures of tumor-infiltrating dendritic cells and natural-killer cells predict prognosis of neuroblastoma. <i>Nature Communications</i> , 2020, 11, 5992.	5.8	87
8	Altered expression of endoplasmic reticulum aminopeptidases ERAP1 and ERAP2 in transformed non-lymphoid human tissues. <i>Journal of Cellular Physiology</i> , 2008, 216, 742-749.	2.0	85
9	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> , 2017, 23, 4462-4472.	3.2	85
10	Role of Endoplasmic Reticulum Aminopeptidases in Health and Disease: from Infection to Cancer. <i>International Journal of Molecular Sciences</i> , 2012, 13, 8338-8352.	1.8	84
11	Efficient MHC Class I-Independent Amino-Terminal Trimming of Epitope Precursor Peptides in the Endoplasmic Reticulum. <i>Immunity</i> , 2001, 15, 467-476.	6.6	83
12	Multidrug Resistance and Cancer Stem Cells in Neuroblastoma and Hepatoblastoma. <i>International Journal of Molecular Sciences</i> , 2013, 14, 24706-24725.	1.8	80
13	IRF1 and NF- $\kappa$ B Restore MHC Class I-Restricted Tumor Antigen Processing and Presentation to Cytotoxic T Cells in Aggressive Neuroblastoma. <i>PLoS ONE</i> , 2012, 7, e46928.	1.1	69
14	Beyond the proteasome: trimming, degradation and generation of MHC class I ligands by auxiliary proteases. <i>Molecular Immunology</i> , 2002, 39, 203-215.	1.0	66
15	The putative role of endoplasmic reticulum aminopeptidases in autoimmunity: Insights from genomic-wide association studies. <i>Autoimmunity Reviews</i> , 2012, 12, 281-288.	2.5	66
16	NF- $\kappa$ B, and not MYCN, Regulates MHC Class I and Endoplasmic Reticulum Aminopeptidases in Human Neuroblastoma Cells. <i>Cancer Research</i> , 2010, 70, 916-924.	0.4	65
17	Natural Killer Cells Efficiently Reject Lymphoma Silenced for the Endoplasmic Reticulum Aminopeptidase Associated with Antigen Processing. <i>Cancer Research</i> , 2011, 71, 1597-1606.	0.4	64
18	A Role for Naturally Occurring Alleles of Endoplasmic Reticulum Aminopeptidases in Tumor Immunity and Cancer Pre-Disposition. <i>Frontiers in Oncology</i> , 2014, 4, 363.	1.3	56

#	ARTICLE	IF	CITATIONS
19	ERAP1 Regulates Natural Killer Cell Function by Controlling the Engagement of Inhibitory Receptors. <i>Cancer Research</i> , 2015, 75, 824-834.	0.4	52
20	Quantifying Recruitment of Cytosolic Peptides for HLA Class I Presentation: Impact of TAP Transport. <i>Journal of Immunology</i> , 2003, 170, 2977-2984.	0.4	49
21	Regulation of ERAP1 and ERAP2 genes and their dysfunction in human cancer. <i>Human Immunology</i> , 2019, 80, 318-324.	1.2	47
22	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> , 2006, 1762, 329-334.	1.8	44
23	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> , 2019, 11, 1476.	1.7	43
24	Linkage analysis of multiple sclerosis with candidate region markers in Sardinian and Continental Italian families. <i>European Journal of Human Genetics</i> , 1999, 7, 377-385.	1.4	38
25	Drug Transporters and Multiple Drug Resistance in the Most Common Pediatric Solid Tumors. <i>Current Drug Metabolism</i> , 2016, 17, 308-316.	0.7	35
26	ERAP1 promotes Hedgehog-dependent tumorigenesis by controlling USP47-mediated degradation of <sup>125</sup> I-TrCP. <i>Nature Communications</i> , 2019, 10, 3304.	5.8	35
27	News on immune checkpoint inhibitors as immunotherapy strategies in adult and pediatric solid tumors. <i>Seminars in Cancer Biology</i> , 2022, 79, 18-43.	4.3	35
28	The peptide binding specificity of HLA-B27 subtypes. <i>Immunogenetics</i> , 1994, 40, 192-198.	1.2	34
29	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> , 2012, 19, 39-41.	0.9	34
30	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> , 1994, 39, 155-162.	1.2	33
31	MYCN is an immunosuppressive oncogene dampening the expression of ligands for NK-cell-activating receptors in human high-risk neuroblastoma. <i>Oncolmunology</i> , 2017, 6, e1316439.	2.1	33
32	Genetically driven CD39 expression shapes human tumor-infiltrating CD8 <sup>+</sup> T cell functions. <i>International Journal of Cancer</i> , 2020, 147, 2597-2610.	2.3	33
33	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> , 2014, 84, 177-186.	1.0	32
34	The MRN complex is transcriptionally regulated by MYCN during neural cell proliferation to control replication stress. <i>Cell Death and Differentiation</i> , 2016, 23, 197-206.	5.0	31
35	The importance of secondary anchor residue motifs of HLA class I proteins: A chemometric approach. <i>Molecular Immunology</i> , 1994, 31, 549-554.	1.0	29
36	T and NK cells: two sides of tumor immunoevasion. <i>Journal of Translational Medicine</i> , 2013, 11, 30.	1.8	29

#	ARTICLE	IF	CITATIONS
37	Identification of a Genetic Variation in ERAP1 Aminopeptidase that Prevents Human Cytomegalovirus miR-UL112-5p-Mediated Immuno-evasion. <i>Cell Reports</i> , 2017, 20, 846-853.	2.9	28
38	The Role of HCMV and HIV-1 MicroRNAs: Processing, and Mechanisms of Action during Viral Infection. <i>Frontiers in Microbiology</i> , 2017, 8, 689.	1.5	27
39	Characterization of antigenic peptides presented by HLA-B44 molecules on tumor cells expressing the geneMAGE-3. , 1996, 68, 622-628.		26
40	Anchor residue motifs of HLA class-I-binding peptides analyzed by the direct binding of synthetic peptides to HLA class I $\hat{I}$ chains. <i>Human Immunology</i> , 1993, 38, 187-192.	1.2	22
41	Genetic risk factors in typical haemolytic uraemic syndrome. <i>Nephrology Dialysis Transplantation</i> , 2009, 24, 1851-1857.	0.4	22
42	Counter-regulation of regulatory T cells by autoreactive CD8+ T cells in rheumatoid arthritis. <i>Journal of Autoimmunity</i> , 2019, 99, 81-97.	3.0	22
43	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> , 2021, 9, 170-183.	1.6	22
44	Dendritic Cells: Behind the Scenes of T-Cell Infiltration into the Tumor Microenvironment. <i>Cancers</i> , 2021, 13, 433.	1.7	22
45	HLA class I binding of synthetic nonamer peptides carrying major anchor residue motifs of HLA-B27 (B*2705)-binding peptides. <i>Immunogenetics</i> , 1993, 38, 41-46.	1.2	20
46	Class I HLA Folding and Antigen Presentation in $\hat{I}2$ -Microglobulin-Defective Daudi Cells. <i>Journal of Immunology</i> , 2009, 182, 3609-3617.	0.4	20
47	Unfolded HLA class I $\hat{I}$ chains and their use in an assay of HLA class-I-peptide binding. <i>Human Immunology</i> , 1993, 36, 119-127.	1.2	19
48	ERAP1 and ERAP2 Enzymes: A Protective Shield for RAS against COVID-19?. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1705.	1.8	19
49	Tumor-infiltrating T cells and PD-L1 expression in childhood malignant extracranial germ-cell tumors. <i>Oncolmmunology</i> , 2019, 8, e1542245.	2.1	18
50	Redundancy and Complementarity between ERAP1 and ERAP2 Revealed by their Effects on the Behcet's Disease-associated HLA-B*51 Peptidome* [S]. <i>Molecular and Cellular Proteomics</i> , 2019, 18, 1491-1510.	2.5	17
51	GD2 redirected CAR T and activated NK-cell-mediated secretion of IFN $\hat{I}3$ overcomes MYCN-dependent IDO1 inhibition, contributing to neuroblastoma cell immune escape. , 2021, 9, e001502.		15
52	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> , 2019, 10, 2151-2160.	0.8	14
53	The peptide-binding specificity of HLA-B27 subtype (B $\hat{a}$ -2705) analyzed by the use of polyalanine model peptides. <i>Human Immunology</i> , 1994, 41, 34-38.	1.2	13
54	Differences in peptide-binding specificity of two ankylosing spondylitis-associated HLA-B27 subtypes. <i>Immunogenetics</i> , 1995, 42, 123-8.	1.2	13

#	ARTICLE	IF	CITATIONS
55	Impaired Assembly Results in the Accumulation of Multiple HLA-C Heavy Chain Folding Intermediates. <i>Journal of Immunology</i> , 2005, 175, 6651-6658.	0.4	11
56	Epigenetic Deregulation of MicroRNAs in Rhabdomyosarcoma and Neuroblastoma and Translational Perspectives. <i>International Journal of Molecular Sciences</i> , 2012, 13, 16554-16579.	1.8	11
57	High-Resolution Array CGH Profiling Identifies Na/K Transporting ATPase Interacting 2 (NKAIN2) as a Predisposing Candidate Gene in Neuroblastoma. <i>PLoS ONE</i> , 2013, 8, e78481.	1.1	11
58	Role of genetic variations on MHC class I antigen-processing genes in human cancer and viral-mediated diseases. <i>Molecular Immunology</i> , 2019, 113, 11-15.	1.0	10
59	Impact of Natural Occurring ERAP1 Single Nucleotide Polymorphisms within miRNA-Binding Sites on HCMV Infection. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5861.	1.8	8
60	Exploring myelin basic protein for HLA class I-binding sequences. <i>European Journal of Immunology</i> , 1994, 24, 2196-2202.	1.6	7
61	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> , 1995, 1, 266-273.	0.8	7
62	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> , 2005, 14, 2357-2367.	1.4	7
63	N-Linked Glycosylation Selectively Regulates the Generic Folding of HLA-Cw1. <i>Journal of Biological Chemistry</i> , 2008, 283, 16469-16476.	1.6	7
64	Assembly and selective $\alpha$ -synthesis labeling of quenched fluorogenic protease substrates. <i>Analytical Biochemistry</i> , 2006, 357, 194-199.	1.1	6
65	HLA-E and the origin of immunogenic self HLA epitopes. <i>Molecular Immunology</i> , 2010, 47, 1661-1662.	1.0	6
66	Hedgehog/hyaluronic acid interaction network in nonalcoholic fatty liver disease, fibrosis, and hepatocellular carcinoma. <i>Hepatology</i> , 2012, 56, 1589-1589.	3.6	6
67	ERAP1 Controls the Interaction of the Inhibitory Receptor KIR3DL1 With HLA-B51:01 by Affecting Natural Killer Cell Function. <i>Frontiers in Immunology</i> , 2021, 12, 778103.	2.2	6
68	Quantification of the Immune Content in Neuroblastoma: Deep Learning and Topological Data Analysis in Digital Pathology. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8804.	1.8	5
69	Enhancement of Neuroblastoma NK-Cell-Mediated Lysis through NF- $\kappa$ B p65 Subunit-Induced Expression of FAS and PVR, the Loss of Which Is Associated with Poor Patient Outcome. <i>Cancers</i> , 2021, 13, 4368.	1.7	5
70	Human hepatic stellate cells are liver-resident antigen-presenting cells. <i>Hepatology</i> , 2011, 54, 1107-1107.	3.6	4
71	ERAAP modulation: A possible novel strategy for cancer immunotherapy?. <i>OncImmunology</i> , 2012, 1, 81-82.	2.1	4
72	Expression of multidrug resistance-associated proteins in paediatric soft tissue sarcomas before and after chemotherapy. <i>International Journal of Oncology</i> , 2012, 41, 117-24.	1.4	4

#	ARTICLE	IF	CITATIONS
73	Peptide Trimming for MHC Class I Presentation by Endoplasmic Reticulum Aminopeptidases. <i>Methods in Molecular Biology</i> , 2019, 1988, 45-57.	0.4	4
74	Case-control analysis of the &lt;i>ERAP1</i> polymorphism rs30187 in Italian type 1 diabetes mellitus patients. <i>Health</i> , 2013, 05, 2150-2155.	0.1	4
75	Global changes in gene expression in <i>Escherichia coli</i> K12 induced by bacteriophage Mu Gem protein. <i>Research in Microbiology</i> , 1991, 142, 13-21.	1.0	3
76	ERAP1 as an emerging therapeutic target for medulloblastoma. <i>Trends in Cancer</i> , 2021, , .	3.8	2
77	Peptide Loading on MHC Class I Molecules of Tumor Cells. <i>Bio-protocol</i> , 2016, 6, .	0.2	1
78	Anchor residue motifs of HLA class I-binding peptides analysed by the direct binding of synthetic peptides to HLA class I alpha chains. <i>Human Immunology</i> , 1993, 36, 67.	1.2	0
79	Killer Cell Ig-like Receptors (KIR)-Binding Assay for Tumor Cells. <i>Bio-protocol</i> , 2016, 6, .	0.2	0
80	A New Insight into Pediatric Leukemia: Che-1 Involvement in Oncogenic c-Myc Signaling. <i>Blood</i> , 2016, 128, 5267-5267.	0.6	0
81	Abstract B37: Clinical relevance of tumor-infiltrating immune cells in neuroblastoma. , 2018, , .		0