

Federico Garrido

List of Publications by Year in descending order

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126
papers

9,343
citations

34076

52
h-index

42364

92
g-index

130
all docs

130
docs citations

130
times ranked

9226
citing authors

#	ARTICLE	IF	CITATIONS
1	Implications for immunosurveillance of altered HLA class I phenotypes in human tumours. Trends in Immunology, 1997, 18, 89-95.	7.5	708
2	The urgent need to recover MHC class I in cancers for effective immunotherapy. Current Opinion in Immunology, 2016, 39, 44-51.	2.4	464
3	Natural history of HLA expression during tumour development. Trends in Immunology, 1993, 14, 491-499.	7.5	432
4	MHC class I antigens, immune surveillance, and tumor immune escape. Journal of Cellular Physiology, 2003, 195, 346-355.	2.0	422
5	Immune Infiltrates Are Prognostic Factors in Localized Gastrointestinal Stromal Tumors. Cancer Research, 2013, 73, 3499-3510.	0.4	277
6	MHC antigens and tumor escape from immune surveillance. Advances in Cancer Research, 2001, 83, 117-158.	1.9	263
7	The selection of tumor variants with altered expression of classical and nonclassical MHC class I molecules: implications for tumor immune escape. Cancer Immunology, Immunotherapy, 2004, 53, 904-10.	2.0	239
8	HLA class I antigen abnormalities and immune escape by malignant cells. Seminars in Cancer Biology, 2002, 12, 3-13.	4.3	233
9	Hard and soft lesions underlying the HLA class I alterations in cancer cells: Implications for immunotherapy. International Journal of Cancer, 2010, 127, 249-256.	2.3	232
10	Reexpression of HLA class I antigens and restoration of antigen-specific CTL response in melanoma cells following 5-aza-2'-deoxycytidine treatment. International Journal of Cancer, 2001, 94, 243-251.	2.3	225
11	Analysis of HLA-E expression in human tumors. Immunogenetics, 2003, 54, 767-775.	1.2	143
12	Further evidence for derepression of H-2 and Ia-like specificities of foreign haplotypes in mouse tumour cell lines. Nature, 1976, 261, 705-707.	13.7	140
13	The HLA crossroad in tumor immunology. Human Immunology, 2000, 61, 65-73.	1.2	129
14	Immune escape of cancer cells with beta2-microglobulin loss over the course of metastatic melanoma. International Journal of Cancer, 2014, 134, 102-113.	2.3	129
15	H-2-like specificities of foreign haplotypes appearing on a mouse sarcoma after vaccinia virus infection. Nature, 1976, 259, 228-230.	13.7	128
16	MHC Class I Antigens and Immune Surveillance in Transformed Cells. International Review of Cytology, 2007, 256, 139-189.	6.2	128
17	High frequency of altered HLA class I phenotypes in invasive breast carcinomas. Human Immunology, 1996, 50, 127-134.	1.2	126
18	Hla Class I Antigens in Human Tumors. Advances in Cancer Research, 1995, 67, 155-195.	1.9	121

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19	Analysis of HLA class I expression in progressing and regressing metastatic melanoma lesions after immunotherapy. <i>Immunogenetics</i> , 2008, 60, 439-447.	1.2	119
20	Role of Altered Expression of HLA Class I Molecules in Cancer Progression. <i>Advances in Experimental Medicine and Biology</i> , 2007, 601, 123-131.	0.8	117
21	Coordinated downregulation of the antigen presentation machinery and HLA class I/Î²2-microglobulin complex is responsible for HLA-ABC loss in bladder cancer. <i>International Journal of Cancer</i> , 2005, 113, 605-610.	2.3	116
22	Rejection versus escape: the tumor MHC dilemma. <i>Cancer Immunology, Immunotherapy</i> , 2017, 66, 259-271.	2.0	115
23	Tumour immunology: MHC antigens and malignancy. <i>Nature</i> , 1986, 322, 502-503.	13.7	106
24	Multiple mechanisms generate HLA class I altered phenotypes in laryngeal carcinomas: high frequency of HLA haplotype loss associated with loss of heterozygosity in chromosome region 6p21. <i>Cancer Immunology, Immunotherapy</i> , 2002, 51, 389-396.	2.0	105
25	Implication of the Î²2-microglobulin gene in the generation of tumor escape phenotypes. <i>Cancer Immunology, Immunotherapy</i> , 2012, 61, 1359-1371.	2.0	105
26	Chromosome loss is the most frequent mechanism contributing to HLA haplotype loss in human tumors. , 1999, 83, 91-97.		104
27	Cancer immune escape: <scp>MHC</scp> expression in primary tumours versus metastases. <i>Immunology</i> , 2019, 158, 255-266.	2.0	102
28	The transition from HLA-I positive to HLA-I negative primary tumors: the road to escape from T-cell responses. <i>Current Opinion in Immunology</i> , 2018, 51, 123-132.	2.4	99
29	Analysis of HLA expression in human tumor tissues. <i>Cancer Immunology, Immunotherapy</i> , 2003, 52, 1-9.	2.0	98
30	Complete loss of HLA class I antigen expression on melanoma cells: A result of successive mutational events. <i>International Journal of Cancer</i> , 2003, 103, 759-767.	2.3	88
31	Expression of MHC class I, MHC class II, and cancer germline antigens in neuroblastoma. <i>Cancer Immunology, Immunotherapy</i> , 2005, 54, 400-406.	2.0	88
32	Chapter 7 IFN Inducibility of Major Histocompatibility Antigens in Tumors. <i>Advances in Cancer Research</i> , 2008, 101, 249-276.	1.9	84
33	High incidence of CTLA-4 AA (CT60) polymorphism in renal cell cancer. <i>Human Immunology</i> , 2007, 68, 698-704.	1.2	83
34	The escape of cancer from T lymphocytes: immunoselection of MHC class I loss variants harboring structural-irreversible â€œhardâ€œ lesions. <i>Cancer Immunology, Immunotherapy</i> , 2010, 59, 1601-1606.	2.0	82
35	MHC class I-deficient metastatic tumor variants immunoselected by T lymphocytes originate from the coordinated downregulation of APM components. <i>International Journal of Cancer</i> , 2003, 106, 521-527.	2.3	79
36	Immunoselection by T lymphocytes generates repeated MHC class I-deficient metastatic tumor variants. <i>International Journal of Cancer</i> , 2001, 91, 109-119.	2.3	78

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37	HLA class I expression in metastatic melanoma correlates with tumor development during autologous vaccination. <i>Cancer Immunology, Immunotherapy</i> , 2007, 56, 709-717.	2.0	78
38	Distribution of HLA class I altered phenotypes in colorectal carcinomas: high frequency of HLA haplotype loss associated with loss of heterozygosity in chromosome region 6p21. <i>Immunogenetics</i> , 2004, 56, 244-53.	1.2	77
39	Frequent loss of heterozygosity in the β 2-microglobulin region of chromosome 15 in primary human tumors. <i>Immunogenetics</i> , 2011, 63, 65-71.	1.2	75
40	Regression of melanoma metastases after immunotherapy is associated with activation of antigen presentation and interferon-mediated rejection genes. <i>International Journal of Cancer</i> , 2012, 131, 387-395.	2.3	75
41	The absence of HLA class I expression in non-small cell lung cancer correlates with the tumor tissue structure and the pattern of T cell infiltration. <i>International Journal of Cancer</i> , 2017, 140, 888-899.	2.3	75
42	Distinct mechanisms of loss of IFN-gamma mediated HLA class I inducibility in two melanoma cell lines. <i>BMC Cancer</i> , 2007, 7, 34.	1.1	74
43	MHC class I molecules act as tumor suppressor genes regulating the cell cycle gene expression, invasion and intrinsic tumorigenicity of melanoma cells. <i>Carcinogenesis</i> , 2012, 33, 687-693.	1.3	69
44	Metastases in Immune-Mediated Dormancy: A New Opportunity for Targeting Cancer. <i>Cancer Research</i> , 2014, 74, 6750-6757.	0.4	66
45	HLA class I loss and PD-L1 expression in lung cancer: impact on T-cell infiltration and immune escape. <i>Oncotarget</i> , 2018, 9, 4120-4133.	0.8	66
46	Expression of HLA G in human tumors is not a frequent event. , 1999, 81, 512-518.		65
47	Analysis of NK cells and chemokine receptors in tumor infiltrating CD4 T lymphocytes in human renal carcinomas. <i>Cancer Immunology, Immunotherapy</i> , 2005, 54, 858-866.	2.0	62
48	The Escape of Cancer from T Cell-Mediated Immune Surveillance: HLA Class I Loss and Tumor Tissue Architecture. <i>Vaccines</i> , 2017, 5, 7.	2.1	62
49	Genetic polymorphisms of RANTES, IL1-A, MCP-1 and TNF-A genes in patients with prostate cancer. <i>BMC Cancer</i> , 2008, 8, 382.	1.1	59
50	Molecular strategies to define HLA haplotype loss in microdissected tumor cells. <i>Human Immunology</i> , 2000, 61, 1001-1012.	1.2	58
51	LOH at 6p21.3 region and HLA class altered phenotypes in bladder carcinomas. <i>Immunogenetics</i> , 2006, 58, 503-510.	1.2	56
52	Regressing and progressing metastatic lesions: resistance to immunotherapy is predetermined by irreversible HLA class I antigen alterations. <i>Cancer Immunology, Immunotherapy</i> , 2008, 57, 1727-1733.	2.0	56
53	HLA class I loss in colorectal cancer: implications for immune escape and immunotherapy. <i>Cellular and Molecular Immunology</i> , 2021, 18, 556-565.	4.8	55
54	HLA and melanoma: multiple alterations in HLA class I and II expression in human melanoma cell lines from ESTDAB cell bank. <i>Cancer Immunology, Immunotherapy</i> , 2009, 58, 1507-1515.	2.0	53

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55	T Lymphocytes Restrain Spontaneous Metastases in Permanent Dormancy. <i>Cancer Research</i> , 2014, 74, 1958-1968.	0.4	53
56	Bacillus Calmette&Guerin immunotherapy of bladder cancer induces selection of human leukocyte antigen class I-deficient tumor cells. <i>International Journal of Cancer</i> , 2011, 129, 839-846.	2.3	52
57	Can the HLA phenotype be used as a prognostic factor in breast carcinomas?. <i>International Journal of Cancer</i> , 1991, 47, 146-154.	2.3	50
58	Identification of different tumor escape mechanisms in several metastases from a melanoma patient undergoing immunotherapy. <i>Cancer Immunology, Immunotherapy</i> , 2007, 56, 88-94.	2.0	50
59	MHC/HLA Class I Loss in Cancer Cells. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1151, 15-78.	0.8	50
60	Colorectal Cancer Classification and Cell Heterogeneity: A Systems Oncology Approach. <i>International Journal of Molecular Sciences</i> , 2015, 16, 13610-13632.	1.8	47
61	HLA class I expression and HPV≤16 sequences in premalignant and malignant lesions of the cervix. <i>Tissue Antigens</i> , 1993, 41, 65-71.	1.0	46
62	Methylated CpG points identified within MAGE-1 promoter are involved in gene repression. , 1996, 68, 464-470.		46
63	Changes in activatory and inhibitory natural killer (NK) receptors may induce progression to multiple myeloma: Implications for tumor evasion of T and NK cells. <i>Human Immunology</i> , 2009, 70, 854-857.	1.2	45
64	High frequency of altered HLA class I phenotypes in laryngeal carcinomas. <i>Human Immunology</i> , 2000, 61, 499-506.	1.2	43
65	Characterization of HLA class I altered phenotypes in a panel of human melanoma cell lines. <i>Cancer Immunology, Immunotherapy</i> , 2008, 57, 719-729.	2.0	43
66	NK sensitivity and lung clearance of MHC-class-I-deficient cells within a heterogeneous fibrosarcoma. <i>International Journal of Cancer</i> , 1989, 44, 675-680.	2.3	40
67	Association between C13ORF31, NOD2, RIPK2 and TLR10 polymorphisms and urothelial bladder cancer. <i>Human Immunology</i> , 2012, 73, 668-672.	1.2	40
68	The tumour suppressor <i>p16</i> positively regulates MHC class I expression on cancer cells. <i>Journal of Pathology</i> , 2012, 227, 367-379.	2.1	36
69	HLA class I alterations in breast carcinoma are associated with a high frequency of the loss of heterozygosity at chromosomes 6 and 15. <i>Immunogenetics</i> , 2018, 70, 647-659.	1.2	36
70	Generation of MHC class I diversity in primary tumors and selection of the malignant phenotype. <i>International Journal of Cancer</i> , 2016, 138, 271-280.	2.3	35
71	Frequent HLA class I alterations in human prostate cancer: molecular mechanisms and clinical relevance. <i>Cancer Immunology, Immunotherapy</i> , 2016, 65, 47-59.	2.0	35
72	Phenotypic expression of histocompatibility antigens in human primary tumours and metastases. <i>Clinical and Experimental Metastasis</i> , 1989, 7, 213-226.	1.7	34

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73	High frequency of homozygosity of the HLA region in melanoma cell lines reveals a pattern compatible with extensive loss of heterozygosity. <i>Cancer Immunology, Immunotherapy</i> , 2005, 54, 141-148.	2.0	33
74	Analysis of HLAâ€‘ABC locus-specific transcription in normal tissues. <i>Immunogenetics</i> , 2010, 62, 711-719.	1.2	33
75	Tumor genetic alterations and features of the immune microenvironment drive myelodysplastic syndrome escape and progression. <i>Cancer Immunology, Immunotherapy</i> , 2019, 68, 2015-2027.	2.0	33
76	Immunotherapy eradicates metastases with reversible defects in MHC class I expression. <i>Cancer Immunology, Immunotherapy</i> , 2011, 60, 1257-1268.	2.0	32
77	In vivo and in vitro generation of a new altered HLA phenotype in melanoma-tumour-cell variants expressing a single HLA-class-I allele. , 1998, 75, 317-323.		31
78	Impaired surface antigen presentation in tumors: implications for T cell-based immunotherapy. <i>Seminars in Cancer Biology</i> , 2002, 12, 15-24.	4.3	31
79	HLA Class-I Expression and Cancer Immunotherapy. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1151, 79-90.	0.8	31
80	A mutation determining the loss of HLA-A2 antigen expression in a cervical carcinoma reveals novel splicing of human MHC class I classical transcripts in both tumoral and normal cells. <i>Immunogenetics</i> , 2000, 51, 1047-1052.	1.2	30
81	A nucleotide insertion in exon 4 is responsible for the absence of expression of an HLA-A*0301 allele in a prostate carcinoma cell line. <i>Immunogenetics</i> , 2001, 53, 606-610.	1.2	29
82	Genome-wide differential genetic profiling characterizes colorectal cancers with genetic instability and specific routes to HLA class I loss and immune escape. <i>Cancer Immunology, Immunotherapy</i> , 2012, 61, 803-816.	2.0	29
83	Heterogeneity of MHC-class-I antigens in clones of methylcholanthrene-induced tumors. Implications for local growth and metastasis. <i>International Journal of Cancer</i> , 1991, 47, 73-81.	2.3	27
84	Low frequency of HLA haplotype loss associated with loss of heterozygosity in chromosome region 6p21 in clear renal cell carcinomas. <i>International Journal of Cancer</i> , 2004, 109, 636-638.	2.3	27
85	Impact of interleukin-18 polymorphisms-607 and -137 on clinical characteristics of renal cell carcinoma patients. <i>Human Immunology</i> , 2010, 71, 309-313.	1.2	27
86	Upregulation of HLA Class I Expression on Tumor Cells by the Anti-EGFR Antibody Nimotuzumab. <i>Frontiers in Pharmacology</i> , 2017, 8, 595.	1.6	27
87	High frequency of HLA-B44 allelic losses in human solid tumors. <i>Human Immunology</i> , 2003, 64, 941-950.	1.2	26
88	Targetless T cells in cancer immunotherapy. , 2016, 4, 23.		26
89	Molecular analysis of MHC-class-I alterations in human tumor cell lines. <i>International Journal of Cancer</i> , 1991, 47, 123-130.	2.3	25
90	HLA molecules in basal cell carcinoma of the skin. <i>Immunobiology</i> , 1992, 185, 440-452.	0.8	25

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91	Alterations of HLA class I expression in human melanoma xenografts in immunodeficient mice occur frequently and are associated with higher tumorigenicity. <i>Cancer Immunology, Immunotherapy</i> , 2010, 59, 13-26.	2.0	25
92	MHC Intratumoral Heterogeneity May Predict Cancer Progression and Response to Immunotherapy. <i>Frontiers in Immunology</i> , 2018, 9, 102.	2.2	25
93	Protein-bound polysaccharide K and interleukin-2 regulate different nuclear transcription factors in the NKL human natural killer cell line. <i>Cancer Immunology, Immunotherapy</i> , 2001, 50, 191-198.	2.0	23
94	Involvement of the chaperone tapasin in HLA-B44 allelic losses in colorectal tumors. <i>International Journal of Cancer</i> , 2005, 113, 611-618.	2.3	22
95	Upmodulation by estrogen of HLA class I expression in breast tumor cell lines. <i>Immunogenetics</i> , 1994, 39, 161-7.	1.2	19
96	Leukocyte infiltrate in gastrointestinal adenocarcinomas is strongly associated with tumor microsatellite instability but not with tumor immunogenicity. <i>Cancer Immunology, Immunotherapy</i> , 2011, 60, 869-882.	2.0	19
97	HLA Class I and II Expression in Rhabdomyosarcomas. <i>Immunobiology</i> , 1991, 182, 440-448.	0.8	18
98	Genomic loss of HLA alleles may affect the clinical outcome in low-risk myelodysplastic syndrome patients. <i>Oncotarget</i> , 2018, 9, 36929-36944.	0.8	18
99	K-ras mutations (codon 12) are not involved in down-regulation of mhc class-i genes in colon carcinomas. <i>International Journal of Cancer</i> , 1990, 46, 426-431.	2.3	17
100	Study of HLA-A, -B, -C, -DRB1 and -DQB1 polymorphisms in COVID-19 patients. <i>Journal of Microbiology, Immunology and Infection</i> , 2022, 55, 421-427.	1.5	15
101	Late pulmonary metastases of renal cell carcinoma immediately after post-transplantation immunosuppressive treatment: a case report. <i>Journal of Medical Case Reports</i> , 2008, 2, 111.	0.4	14
102	A polymorphism in the interleukin-10 promoter affects the course of disease in patients with clear-cell renal carcinoma. <i>Human Immunology</i> , 2009, 70, 60-64.	1.2	14
103	Generation and control of metastasis in experimental tumor systems; inhibition of experimental metastases by a tilorone analogue. <i>International Journal of Cancer</i> , 1993, 54, 518-523.	2.3	13
104	HLA and cancer. <i>Tissue Antigens</i> , 1996, 47, 361-363.	1.0	13
105	Looking for HLA-G expression in human tumours. <i>Journal of Reproductive Immunology</i> , 1999, 43, 263-273.	0.8	13
106	Total loss of HLA class I expression on a melanoma cell line after growth in nude mice in absence of autologous antitumor immune response. <i>International Journal of Cancer</i> , 2007, 121, 2023-2030.	2.3	12
107	Restoration of MHC-I on Tumor Cells by Fhit Transfection Promotes Immune Rejection and Acts as an Individualized Immunotherapeutic Vaccine. <i>Cancers</i> , 2020, 12, 1563.	1.7	12
108	MHC heterogeneity and response of metastases to immunotherapy. <i>Cancer and Metastasis Reviews</i> , 2021, 40, 501-517.	2.7	12

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109	Copy Neutral LOH Affecting the Entire Chromosome 6 Is a Frequent Mechanism of HLA Class I Alterations in Cancer. <i>Cancers</i> , 2021, 13, 5046.	1.7	12
110	Class II HLA Antigen Expression in Familial Polyposis Coli is Related to the Degree of Dysplasia. <i>Immunobiology</i> , 1990, 180, 138-148.	0.8	11
111	A Combination of Positive Tumor HLA-I and Negative PD-L1 Expression Provides an Immune Rejection Mechanism in Bladder Cancer. <i>Annals of Surgical Oncology</i> , 2019, 26, 2631-2639.	0.7	11
112	Tumor Escape Phenotype in Bladder Cancer Is Associated with Loss of HLA Class I Expression, T-Cell Exclusion and Stromal Changes. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7248.	1.8	11
113	Multiple mechanisms are responsible for the alteration in the expression of HLA class I antigens in melanoma. <i>International Journal of Cancer</i> , 2003, 105, 432-433.	2.3	9
114	Expression of β -tropomyosin during cardiac development in the chick embryo. <i>The Anatomical Record</i> , 1992, 234, 301-309.	2.3	6
115	Differential MAGE-1 Gene Expression in Two Variants of an Erythroleukemic Cell Line (K562). <i>Immunobiology</i> , 1995, 194, 449-456.	0.8	5
116	Oxidative stress induces the expression of the major histocompatibility complex in murine tumor cells. <i>Free Radical Research</i> , 2001, 35, 119-128.	1.5	4
117	HLA Class-II Expression in Human Tumors. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1151, 91-95.	0.8	4
118	HLA Class I Expression, Tumor Escape and Cancer Progression. <i>Current Cancer Therapy Reviews</i> , 2008, 4, 105-110.	0.2	3
119	Introduction. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1151, 1-14.	0.8	3
120	Chromosome loss is the most frequent mechanism contributing to HLA haplotype loss in human tumors. <i>International Journal of Cancer</i> , 1999, 83, 91-97.	2.3	3
121	The Biological Implications of the Abnormal Expression of Histocompatibility Antigens on Murine and Human Tumors. , 1987, , 623-639.		3
122	A novel preclinical murine model of immune-mediated metastatic dormancy. <i>Oncolmmunology</i> , 2014, 3, e29258.	2.1	2
123	In vivo and in vitro generation of a new altered HLA phenotype in melanoma-tumour-cell variants expressing a single HLA-class-I allele. , 1998, 75, 317.		1
124	Hard and soft lesions underlying the HLA class I alterations in cancer cells: Implications for immunotherapy. , 2010, 127, 249.		1
125	MHC Class I Antigens and the Tumor Microenvironment. , 2013, , 253-286.		0
126	CRC: A Darwinian model of cellular immunoselection. , 2022, , 529-541.		0