Marco Donia

List of Publications by Year
in descending order

127 papers	8,894 citations	61984 43 h-index	49909 87 g-index
140 all docs	140 docs citations	140 times ranked	14343 citing authors

#	Article	IF	Citations
1	Tertiary lymphoid structures improve immunotherapy and survival in melanoma. Nature, 2020, 577, 561-565.	27.8	1,209
2	Roles of the Raf/MEK/ERK and PI3K/PTEN/Akt/mTOR pathways in controlling growth and sensitivity to therapy-implications for cancer and aging. Aging, 2011, 3, 192-222.	3.1	520
3	Ras/Raf/MEK/ERK and PI3K/PTEN/Akt/mTOR Inhibitors: Rationale and Importance to Inhibiting These Pathways in Human Health. Oncotarget, 2011, 2, 135-164.	1.8	509
4	Targeting of cancer neoantigens with donor-derived T cell receptor repertoires. Science, 2016, 352, 1337-1341.	12.6	414
5	Mutational and putative neoantigen load predict clinical benefit of adoptive T cell therapy in melanoma. Nature Communications, 2017, 8, 1738.	12.8	310
6	Large-scale detection of antigen-specific T cells using peptide-MHC-I multimers labeled with DNA barcodes. Nature Biotechnology, 2016, 34, 1037-1045.	17.5	279
7	Effector CD4 and CD8 T Cells and Their Role in the Tumor Microenvironment. Cancer Microenvironment, 2013, 6, 123-133.	3.1	263
8	Collagen density regulates the activity of tumor-infiltrating T cells. , 2019, 7, 68.		239
9	Long-Lasting Complete Responses in Patients with Metastatic Melanoma after Adoptive Cell Therapy with Tumor-Infiltrating Lymphocytes and an Attenuated IL2 Regimen. Clinical Cancer Research, 2016, 22, 3734-3745.	7.0	234
10	Roles of the Ras/Raf/MEK/ERK pathway in leukemia therapy. Leukemia, 2011, 25, 1080-1094.	7.2	232
11	Targeting the translational apparatus to improve leukemia therapy: roles of the PI3K/PTEN/Akt/mTOR pathway. Leukemia, 2011, 25, 1064-1079.	7.2	190
12	Genome-wide CRISPRâ€“Cas9 screening reveals ubiquitous T cell cancer targeting via the monomorphic MHC class I-related protein MR1. Nature Immunology, 2020, 21, 178-185.	14.5	186
13	Principles of adoptive T cell therapy in cancer. Seminars in Immunopathology, 2019, 41, 49-58.	6.1	141
14	Dissection of T-cell Antigen Specificity in Human Melanoma. Cancer Research, 2012, 72, 1642-1650.	0.9	137
15	Adoptive cell therapy with autologous tumor infiltrating lymphocytes and low-dose Interleukin-2 in metastatic melanoma patients. Journal of Translational Medicine, 2012, 10, 169.	4.4	134
16	ESMO consensus conference recommendations on the management of metastatic melanoma: under the auspices of the ESMO Guidelines Committee. Annals of Oncology, 2020, 31, 1435-1448.	1.2	132
17	Clinical responses to adoptive T-cell transfer can be modeled in an autologous immune-humanized mouse model. Nature Communications, 2017, 8, 707.	12.8	123
18	The Raf/MEK/ERK pathway can govern drug resistance, apoptosis and sensitivity to targeted therapy. Cell Cycle, 2010, 9, 1781-1791.	2.6	110

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19	More tricks with tetramers: a practical guide to staining T cells with peptideâ€“<scp>MHC</scp> multimers. Immunology, 2015, 146, 11-22.	4.4	106
20	Tumorâ€infiltrating lymphocytes for the treatment of metastatic cancer. Molecular Oncology, 2015, 9, 1918-1935.	4.6	104
21	Aberrant Expression of MHC Class II in Melanoma Attracts Inflammatory Tumor-Specific CD4+ T- Cells, Which Dampen CD8+ T-cell Antitumor Reactivity. Cancer Research, 2015, 75, 3747-3759.	0.9	93
22	A phase 1/2 trial of an immune-modulatory vaccine against IDO/PD-L1 in combination with nivolumab in metastatic melanoma. Nature Medicine, 2021, 27, 2212-2223.	30.7	88
23	Characterization and Comparison of â€˜Standardâ€™ and â€˜Youngâ€™ Tumourâ€infiltrating Lymphocytes for Adoptive Cell Therapy at a Danish Translational Research Institution. Scandinavian Journal of Immunology, 2012, 75, 157-167.	2.7	87
24	Peptideâ€“MHC Class I Tetramers Can Fail To Detect Relevant Functional T Cell Clonotypes and Underestimate Antigen-Reactive T Cell Populations. Journal of Immunology, 2018, 200, 2263-2279.	0.8	87
25	HER2 CAR-T Cells Eradicate Uveal Melanoma and T-cell Therapyâ€“Resistant Human Melanoma in IL2 Transgenic NOD/SCID IL2 Receptor Knockout Mice. Cancer Research, 2019, 79, 899-904.	0.9	84
26	BRAF inhibition improves tumor recognition by the immune system. OncoImmunology, 2012, 1, 1476-1483.	4.6	82
27	Adoptive cell therapy with tumor-infiltrating lymphocytes in patients with metastatic ovarian cancer: a pilot study. OncoImmunology, 2018, 7, e1502905.	4.6	80
28	HLA-Restricted CTL That Are Specific for the Immune Checkpoint Ligand PD-L1 Occur with High Frequency in Cancer Patients. Cancer Research, 2013, 73, 1764-1776.	0.9	78
29	The majority of patients with metastatic melanoma are not represented in pivotal phase III immunotherapy trials. European Journal of Cancer, 2017, 74, 89-95.	2.8	77
30	Treatment with rapamycin ameliorates clinical and histological signs of protracted relapsing experimental allergic encephalomyelitis in Dark Agouti rats and induces expansion of peripheral CD4+CD25+Foxp3+ regulatory T cells. Journal of Autoimmunity, 2009, 33, 135-140.	6.5	70
31	ESMO consensus conference recommendations on the management of locoregional melanoma: under the auspices of the ESMO Guidelines Committee. Annals of Oncology, 2020, 31, 1449-1461.	1.2	69
32	Tumor-induced escape mechanisms and their association with resistance to checkpoint inhibitor therapy. Cancer Immunology, Immunotherapy, 2019, 68, 1689-1700.	4.2	68
33	Potential use of rapamycin in HIV infection. British Journal of Clinical Pharmacology, 2010, 70, 784-793.	2.4	67
34	Empty peptide-receptive MHC class I molecules for efficient detection of antigen-specific T cells. Science Immunology, 2019, 4, .	11.9	64
35	Adoptive cell therapy in combination with checkpoint inhibitors in ovarian cancer. Oncotarget, 2020, 11, 2092-2105.	1.8	64
36	In vitro, ex vivo and in vivo immunopharmacological activities of the isoxazoline compound VGX-1027: Modulation of cytokine synthesis and prevention of both organ-specific and systemic autoimmune diseases in murine models. Clinical Immunology, 2007, 123, 311-323.	3.2	61

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37	T-cell Responses in the Microenvironment of Primary Renal Cell Carcinomaâ€"Implications for Adoptive Cell Therapy. Cancer Immunology Research, 2018, 6, 222-235.	3.4	59
38	CCL22-specific T Cells: Modulating the immunosuppressive tumor microenvironment. OncoImmunology, 2016, 5, e1238541.	4.6	56
39	Antibody Stabilization of Peptideâ€"MHC Multimers Reveals Functional T Cells Bearing Extremely Low-Affinity TCRs. Journal of Immunology, 2015, 194, 463-474.	0.8	55
40	Tumor infiltrating lymphocyte therapy for ovarian cancer and renal cell carcinoma. Human Vaccines and Immunotherapeutics, 2015, 11, 2790-2795.	3.3	54
41	Neoantigen-reactive CD8+ T cells affect clinical outcome of adoptive cell therapy with tumor-infiltrating lymphocytes in melanoma. Journal of Clinical Investigation, 2022, 132, .	8.2	54
42	PD-1+ Polyfunctional T Cells Dominate the Periphery after Tumor-Infiltrating Lymphocyte Therapy for Cancer. Clinical Cancer Research, 2017, 23, 5779-5788.	7.0	53
43	T cells isolated from patients with checkpoint inhibitor-resistant melanoma are functional and can mediate tumor regression. Annals of Oncology, 2018, 29, 1575-1581.	1.2	53
44	CTLA-4 blockade boosts the expansion of tumor-reactive CD8+ tumor-infiltrating lymphocytes in ovarian cancer. Scientific Reports, 2020, 10, 3914.	3.3	50
45	In vitro and in vivo anticancer action of Saquinavir-NO, a novel nitric oxide-derivative of the protease inhibitor saquinavir, on hormone resistant prostate cancer cells. Cell Cycle, 2011, 10, 492-499.	2.6	47
46	Simplified protocol for clinical-grade tumor-infiltrating lymphocyte manufacturing with use of the Wave bioreactor. Cytotherapy, 2014, 16, 1117-1120.	0.7	47
47	The real-world impact of modern treatments on the survival of patients with metastatic melanoma. European Journal of Cancer, 2019, 108, 25-32.	2.8	47
48	Tumour-reactive T cell subsets in the microenvironment of ovarian cancer. British Journal of Cancer, 2019, 120, 424-434.	6.4	44
49	Natural CD4+ T-Cell Responses against Indoleamine 2,3-Dioxygenase. PLoS ONE, 2012, 7, e34568.	2.5	43
50	Development of anti-drug antibodies is associated with shortened survival in patients with metastatic melanoma treated with ipilimumab. OncoImmunology, 2018, 7, e1424674.	4.6	43
51	Dominant roles of the Raf/MEK/ERK pathway in cell cycle progression, prevention of apoptosis and sensitivity to chemotherapeutic drugs. Cell Cycle, 2010, 9, 1629-1638.	2.6	41
52	Advances in Targeting Signal Transduction Pathways. Oncotarget, 2012, 3, 1505-1521.	1.8	41
53	Analysis of VÎ´1 T cells in clinical grade melanoma-infiltrating lymphocytes. OncoImmunology, 2012, 1, 1297-1304.	4.6	39
54	Acquired Immune Resistance Follows Complete Tumor Regression without Loss of Target Antigens or IFNÎ³ Signaling. Cancer Research, 2017, 77, 4562-4566.	0.9	39

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55	MERTK Acts as a Costimulatory Receptor on Human CD8+ T Cells. Cancer Immunology Research, 2019, 7, 1472-1484.	3.4	39
56	B Cells and Tertiary Lymphoid Structures: Friends or Foes in Cancer Immunotherapy?. Clinical Cancer Research, 2022, 28, 1751-1758.	7.0	39
57	Real-World Impact of Immune Checkpoint Inhibitors in Metastatic Uveal Melanoma. Cancers, 2019, 11, 1489.	3.7	37
58	Methods to Improve Adoptive T-Cell Therapy for Melanoma: IFN-Î³ Enhances Anticancer Responses of Cell Products for Infusion. Journal of Investigative Dermatology, 2013, 133, 545-552.	0.7	36
59	Differential effects of corticosteroids and antiâ€TNF on tumorâ€specific immune responses: implications for the management of irAEs. International Journal of Cancer, 2019, 145, 1408-1413.	5.1	36
60	Acquired resistance to cancer immunotherapy. Seminars in Immunopathology, 2019, 41, 31-40.	6.1	34
61	PD-L1 peptide co-stimulation increases immunogenicity of a dendritic cell-based cancer vaccine. OncoImmunology, 2016, 5, e1202391.	4.6	33
62	The inhibitory checkpoint, PD-L2, is a target for effector T cells: Novel possibilities for immune therapy. OncoImmunology, 2018, 7, e1390641.	4.6	33
63	Cancer immunotherapy in patients with preexisting autoimmune disorders. Seminars in Immunopathology, 2017, 39, 333-337.	6.1	31
64	Future role for adoptive T-cell therapy in checkpoint inhibitor-resistant metastatic melanoma. , 2020, 8, e000668.		31
65	Cytotoxic and immune-sensitizing properties of nitric oxide-modified saquinavir in iNOS-positive human melanoma cells. Journal of Cellular Physiology, 2011, 226, 1803-1812.	4.1	30
66	Loss of Ambra1 promotes melanoma growth and invasion. Nature Communications, 2021, 12, 2550.	12.8	30
67	Enhancing therapeutic efficacy by targeting non-oncogene addicted cells with combinations of signal transduction inhibitors and chemotherapy. Cell Cycle, 2010, 9, 1839-1846.	2.6	29
68	Therapeutic Potential of Nitric Oxide-Modified Drugs in Colon Cancer Cells. Molecular Pharmacology, 2012, 82, 700-710.	2.3	28
69	Comparison of clinical grade type 1 polarized and standard matured dendritic cells for cancer immunotherapy. Vaccine, 2013, 31, 639-646.	3.8	27
70	Reorienting the immune system in the treatment of cancer by using anti-PD-1 and anti-PD-L1 antibodies. Drug Discovery Today, 2015, 20, 1127-1134.	6.4	27
71	Frequent adaptive immune responses against arginase-1. OncoImmunology, 2018, 7, e1404215.	4.6	27
72	Tumor-Infiltrating T Cells From Clear Cell Renal Cell Carcinoma Patients Recognize Neoepitopes Derived From Point and Frameshift Mutations. Frontiers in Immunology, 2020, 11, 373.	4.8	27

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73	Novel nitric oxide-donating compound (S,R)-3-phenyl-4,5-dihydro-5-isoxazole acetic acidâ€“nitric oxide (GIT-27NO) induces p53 mediated apoptosis in human A375 melanoma cells. Nitric Oxide - Biology and Chemistry, 2008, 19, 177-183.	2.7	26
74	Specific and Strain-Independent Effects of Dexamethasone in the Prevention and Treatment of Experimental Autoimmune Encephalomyelitis in Rodents. Scandinavian Journal of Immunology, 2010, 72, 396-407.	2.7	26
75	Variable effects of cyclophosphamide in rodent models of experimental allergic encephalomyelitis. Clinical and Experimental Immunology, 2009, 159, 159-168.	2.6	26
76	Influence of ipilimumab on expanded tumour derived T cells from patients with metastatic melanoma. Oncotarget, 2017, 8, 27062-27074.	1.8	26
77	Efficacy of Intracolonic Administration of Low-Molecular-Weight Heparin CB-01-05, Compared to Other Low-Molecular-Weight Heparins and Unfractionated Heparin, in Experimentally Induced Colitis in Rat. Digestive Diseases and Sciences, 2008, 53, 3170-3175.	2.3	23
78	Adoptive cell therapy with tumor-infiltrating lymphocytes supported by checkpoint inhibition across multiple solid cancer types. , 2021, 9, e003499.		23
79	The Danish metastatic melanoma database (DAMMED): A nation-wide platform for quality assurance and research in real-world data on medical therapy in Danish melanoma patients. Cancer Epidemiology, 2021, 73, 101943.	1.9	21
80	The controversial role of TNF in melanoma. OncoImmunology, 2016, 5, e1107699.	4.6	20
81	Qualitative Analysis of Tumor-Infiltrating Lymphocytes across Human Tumor Types Reveals a Higher Proportion of Bystander CD8+ T Cells in Non-Melanoma Cancers Compared to Melanoma. Cancers, 2020, 12, 3344.	3.7	19
82	Changes in the Tumor Immune Microenvironment during Disease Progression in Patients with Ovarian Cancer. Cancers, 2020, 12, 3828.	3.7	19
83	Highly efficient PD-1-targeted CRISPR-Cas9 for tumor-infiltrating lymphocyte-based adoptive TÂcell therapy. Molecular Therapy - Oncolytics, 2022, 24, 417-428.	4.4	19
84	Tumor-infiltrating lymphocytes for adoptive cell therapy: recent advances, challenges, and future directions. Expert Opinion on Biological Therapy, 2022, 22, 627-641.	3.1	19
85	Unique antineoplastic profile of Saquinavir-NO, a novel NO-derivative of the protease inhibitor Saquinavir, on the in vitro and in vivo tumor formation of A375 human melanoma cells. Oncology Reports, 2012, 28, 682-688.	2.6	18
86	Long-Term Vemurafenib Exposure Induced Alterations of Cell Phenotypes in Melanoma: Increased Cell Migration and Its Association with EGFR Expression. International Journal of Molecular Sciences, 2019, 20, 4484.	4.1	18
87	Peptide Super-Agonist Enhances T-Cell Responses to Melanoma. Frontiers in Immunology, 2019, 10, 319.	4.8	18
88	Personalized therapy with peptide-based neoantigen vaccine (EVX-01) including a novel adjuvant, CAFÂ®09b, in patients with metastatic melanoma. OncoImmunology, 2022, 11, 2023255.	4.6	18
89	New developments in the management of advanced melanoma – role of pembrolizumab. OncoTargets and Therapy, 2015, 8, 2535.	2.0	16
90	Analysis of interleukin (IL)-1beta IL-1 receptor antagonist, soluble IL-1 receptor type II and IL-1 accessory protein in HCV-associated lymphoproliferative disorders. Oncology Reports, 2006, 15, 1305-8.	2.6	16

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91	Breast cancer: Molecular basis and therapeutic strategies (Review). Molecular Medicine Reports, 2008, 1, 451-8.	2.4	16
92	The novel NO-donating compound GIT-27NO inhibits in vivo growth of human prostate cancer cells and prevents murine immunoinflammatory hepatitis. European Journal of Pharmacology, 2009, 615, 228-233.	3.5	15
93	Cancer immunotherapy in patients with brain metastases. Cancer Immunology, Immunotherapy, 2018, 67, 703-711.	4.2	15
94	Genetic Biomarkers in Melanoma of the Ocular Region: What the Medical Oncologist Should Know. International Journal of Molecular Sciences, 2020, 21, 5231.	4.1	15
95	In vitro inhibition of enterobacteria-reactive CD4+CD25â˚ T cells and suppression of immunoinflammatory colitis in mice by the novel immunomodulatory agent VGX-1027. European Journal of Pharmacology, 2008, 586, 313-321.	3.5	14
96	Comparative Study of Rapamycin and Temsirolimus Demonstrates Superimposable Antiâ€Tumour Potency on Prostate Cancer Cells. Basic and Clinical Pharmacology and Toxicology, 2013, 112, 63-69.	2.5	14
97	Generation of autologous tumor-specific T cells for adoptive transfer based on vaccination, in vitro restimulation and CD3/CD28 dynabead-induced T cell expansion. Cancer Immunology, Immunotherapy, 2012, 61, 1221-1231.	4.2	11
98	Induction of caspase-independent apoptotic-like cell death of mouse mammary tumor TA3Ha cells in vitro and reduction of their lethality in vivo by the novel chemotherapeutic agent GIT-27NO. Free Radical Biology and Medicine, 2010, 48, 1090-1099.	2.9	10
99	Cytotoxic T cells isolated from healthy donors and cancer patients kill TGFÎ²-expressing cancer cells in a TGFÎ²-dependent manner. Cellular and Molecular Immunology, 2021, 18, 415-426.	10.5	10
100	Rapid Identification of the Tumor-Specific Reactive TIL Repertoire via Combined Detection of CD137, TNF, and IFNÎ³, Following Recognition of Autologous Tumor-Antigens. Frontiers in Immunology, 2021, 12, 705422.	4.8	10
101	The realâ€world outcome of metastatic melanoma: Unknown primary vs. known cutaneous. International Journal of Cancer, 2019, 145, 3173-3174.	5.1	9
102	Clinical efficacy of T-cell therapy after short-term BRAF-inhibitor priming in patients with checkpoint inhibitor-resistant metastatic melanoma. , 2021, 9, e002703.		9
103	Real-world evidence to guide healthcare policies in oncology. Oncotarget, 2019, 10, 4513-4515.	1.8	9
104	Broadening the repertoire of melanoma-associated T-cell epitopes. Cancer Immunology, Immunotherapy, 2015, 64, 609-620.	4.2	8
105	Improved Progression-Free Long-Term Survival of a Nation-Wide Patient Population with Metastatic Melanoma. Cancers, 2020, 12, 2591.	3.7	8
106	The effects of targeted immune-regulatory strategies on tumor-specific T-cell responses in vitro. Cancer Immunology, Immunotherapy, 2021, 70, 1771-1776.	4.2	8
107	Analysis of interleukin (IL)-1Î² IL-1 receptor antagonist, soluble IL-1 receptor type II and IL-1 accessory protein in HCV-associated lymphoproliferative disorders. Oncology Reports, 2006, 15, 1305.	2.6	7
108	Breast cancer: Molecular basis and therapeutic strategies (Review). Molecular Medicine Reports, 0, , .	2.4	6

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109	Biological insights into BRAF^{V600}mutations in melanoma patient. OncoImmunology, 2013, 2, e25594.	4.6	6
110	Transcriptomic signatures of tumors undergoing T cell attack. Cancer Immunology, Immunotherapy, 2021, , 1.	4.2	6
111	Bone marrow toxicity and immune reconstitution in melanoma and non-melanoma solid cancer patients after non-myeloablative conditioning with chemotherapy and checkpoint inhibition. Cytotherapy, 2021, 23, 724-729.	0.7	5
112	Clinical value of routine [18F]2â€fluoroâ€2â€deoxyâ€<scp>d</scp>â€glucose positron emission tomography scans as a decision tool for early immunotherapy discontinuation in advanced melanoma. International Journal of Cancer, 2022, 150, 1870-1878.	5.1	5
113	Phase II study of the antiretroviral activity and safety of the glucocorticoid receptor antagonist mifepristone in HIV-1-infected patients. International Journal of Molecular Medicine, 2011, 28, 437-42.	4.0	4
114	Influence of mutagenic versus non-mutagenic pre-operative chemotherapy on the immune infiltration of residual breast cancer. Acta OncolÃ³gica, 2019, 58, 1603-1611.	1.8	4
115	Comparison of Efficacy in Patients with Metastatic Melanoma Treated with Ipilimumab and Nivolumab Who Did or Did Not Discontinue Treatment Due to Immune-Related Adverse Events: A Real-World Data Study. Cancers, 2021, 13, 5550.	3.7	4
116	Real-world data on melanoma brain metastases and survival outcome. Melanoma Research, 2022, Publish Ahead of Print, .	1.2	4
117	Chitooligosaccharides Improve the Efficacy of Checkpoint Inhibitors in a Mouse Model of Lung Cancer. Pharmaceutics, 2022, 14, 1046.	4.5	3
118	New Perspectives in HCV Therapy: Entry Inhibitors. Recent Patents on Anti-infective Drug Discovery, 2010, 5, 181-194.	0.8	2
119	Adoptive T-cell therapy (ACT) with TILs for metastatic melanoma: Clinical responses and durable persistence of anticancer responses in peripheral blood.. Journal of Clinical Oncology, 2013, 31, 3028-3028.	1.6	2
120	Effects of ipilimumab on expanded tumor-infiltrating lymphocytes in patients with stage IV malignant melanoma.. Journal of Clinical Oncology, 2014, 32, 3020-3020.	1.6	2
121	Rare cause of spontaneous haemothorax: mediastinal and distant lymph node metastases from uveal melanoma. BMJ Case Reports, 2019, 12, e231534.	0.5	1
122	Abstract CT535: High clinical efficacy in poor prognosis patients with metastatic melanoma treated with an IDO/PD-L1 peptide vaccine in combination with nivolumab. Cancer Research, 2022, 82, CT535-CT535.	0.9	1
123	First-in-human clinical trial of an oncolytic adenovirus armed with TNFa and IL-2 in patients with advanced melanoma receiving adoptive cell transfer of tumor-infiltrating lymphocytes.. Journal of Clinical Oncology, 2022, 40, TPS9590-TPS9590.	1.6	1
124	Midkineâ€"A potential therapeutic target in melanoma. Pigment Cell and Melanoma Research, 2021, 34, 834-835.	3.3	0
125	(S,R)-3-Phenyl-4,5-dihydro-5-isoxazole acetic acidâ€"Nitric Oxide (GIT-27NO) â€" New Dress for Nitric Oxide Mission. , 2010, , 443-457.		0
126	Immune escape mechanisms associated with tumor recurrence after adoptive cell transfer immunotherapy.. Journal of Clinical Oncology, 2014, 32, 3054-3054.	1.6	0

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127	PD-L1 specific tumor infiltrating lymphocytes occur frequently in melanoma and HNSCC patients.. Journal of Clinical Oncology, 2014, 32, 11083-11083.	1.6	0