Domenico Mavilio

List of Publications by Year in descending order

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127 papers 8,488 citations

57758 44 h-index 88 g-index

134 all docs

134 docs citations

times ranked

134

12654 citing authors

#	Article	IF	CITATIONS
1	Consensus guidelines for the detection of immunogenic cell death. Oncolmmunology, 2014, 3, e955691.	4.6	686
2	Characterization of CD56 [–] /CD16 ⁺ natural killer (NK) cells: A highly dysfunctional NK subset expanded in HIV-infected viremic individuals. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 2886-2891.	7.1	511
3	Classification of current anticancer immunotherapies. Oncotarget, 2014, 5, 12472-12508.	1.8	395
4	Natural Killer Cell Functional Dichotomy in Chronic Hepatitis B and Chronic Hepatitis C Virus Infections. Gastroenterology, 2009, 137, 1151-1160.e7.	1.3	372
5	Natural killer cells in HIV-1 infection: Dichotomous effects of viremia on inhibitory and activating receptors and their functional correlates. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 15011-15016.	7.1	355
6	NK cells in HIV infection: Paradigm for protection or targets for ambush. Nature Reviews Immunology, 2005, 5, 835-843.	22.7	270
7	The impaired NK cell cytolytic function in viremic HIV-1 infection is associated with a reduced surface expression of natural cytotoxicity receptors (NKp46, NKp30 and NKp44). European Journal of Immunology, 2003, 33, 2410-2418.	2.9	269
8	High-dimensional single cell analysis identifies stem-like cytotoxic CD8+ T cells infiltrating human tumors. Journal of Experimental Medicine, 2018, 215, 2520-2535.	8.5	250
9	Inflammation and preterm birth. Journal of Leukocyte Biology, 2016, 99, 67-78.	3.3	227
10	Human liver-resident CD56bright/CD16neg NK cells are retained within hepatic sinusoids via the engagement of CCR5 and CXCR6 pathways. Journal of Autoimmunity, 2016, 66, 40-50.	6.5	220
11	Identification, isolation and in vitro expansion of human and nonhuman primate T stem cell memory cells. Nature Protocols, 2013, 8, 33-42.	12.0	181
12	Tumour-derived PGD2 and NKp30-B7H6 engagement drives an immunosuppressive ILC2-MDSC axis. Nature Communications, 2017, 8, 593.	12.8	175
13	Differentiation of human peripheral blood $\hat{V1}$ + T cells expressing the natural cytotoxicity receptor NKp30 for recognition of lymphoid leukemia cells. Blood, 2011, 118, 992-1001.	1.4	171
14	Two subsets of stem-like CD8+ memory T cell progenitors with distinct fate commitments in humans. Nature Immunology, 2020, 21, 1552-1562.	14.5	167
15	Characterization of the defective interaction between a subset of natural killer cells and dendritic cells in HIV-1 infection. Journal of Experimental Medicine, 2006, 203, 2339-2350.	8.5	162
16	HIV modulates the expression of ligands important in triggering natural killer cell cytotoxic responses on infected primary T-cell blasts. Blood, 2007, 110, 1207-1214.	1.4	158
17	Natural Cytotoxicity Receptors: Broader Expression Patterns and Functions in Innate and Adaptive Immune Cells. Frontiers in Immunology, 2013, 4, 69.	4.8	141
18	Chronic HIV-1 viremia reverses NKG2A/NKG2C ratio on natural killer cells in patients with human cytomegalovirus co-infection. Aids, 2010, 24, 27-34.	2.2	139

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19	The decreased expression of Siglec-7 represents an early marker of dysfunctional natural killer–cell subsets associated with high levels of HIV-1 viremia. Blood, 2009, 114, 3822-3830.	1.4	132
20	Role of naive-derived T memory stem cells in T-cell reconstitution following allogeneic transplantation. Blood, 2015, 125, 2855-2864.	1.4	132
21	Infections after Tâ€replete haploidentical transplantation and highâ€dose cyclophosphamide as graftâ€versusâ€host disease prophylaxis. Transplant Infectious Disease, 2015, 17, 242-249.	1.7	118
22	HIV-1 Vpr Triggers Natural Killer Cell–Mediated Lysis of Infected Cells through Activation of the ATR-Mediated DNA Damage Response. PLoS Pathogens, 2009, 5, e1000613.	4.7	110
23	Hepatic Natural Killer Cells: Organ-Specific Sentinels of Liver Immune Homeostasis and Physiopathology. Frontiers in Immunology, 2019, 10, 946.	4.8	104
24	Immune Evasion and Recognition of the Syphilis Spirochete in Blood and Skin of Secondary Syphilis Patients: Two Immunologically Distinct Compartments. PLoS Neglected Tropical Diseases, 2012, 6, e1717.	3.0	100
25	Engagement of NKp30 on \hat{V} 1 T cells induces the production of CCL3, CCL4, and CCL5 and suppresses HIV-1 replication. Blood, 2012, 119, 4013-4016.	1.4	92
26	Priming of Human Resting NK Cells by Autologous M1 Macrophages via the Engagement of IL- $1\hat{1}^2$, IFN- $1\hat{1}^2$, and IL-15 Pathways. Journal of Immunology, 2015, 195, 2818-2828.	0.8	90
27	Natural killer cells in HIV-1 infection and therapy. Aids, 2017, 31, 2317-2330.	2.2	90
28	Lysis of Endogenously Infected CD4+ T Cell Blasts by rlL-2 Activated Autologous Natural Killer Cells from HIV-Infected Viremic Individuals. PLoS Pathogens, 2008, 4, e1000101.	4.7	88
29	IL15 and T-cell Stemness in T-cell–Based Cancer Immunotherapy. Cancer Research, 2015, 75, 5187-5193.	0.9	86
30	The challenges of primary biliary cholangitis: What is new and what needs to be done. Journal of Autoimmunity, 2019, 105, 102328.	6.5	86
31	The role of natural killer cells in autoimmune liver disease: A comprehensive review. Journal of Autoimmunity, 2013, 46, 55-65.	6.5	78
32	Pathologic natural killer cell subset redistribution in HIV-1 infection: new insights in pathophysiology and clinical outcomes. Journal of Leukocyte Biology, 2010, 88, 1119-1130.	3.3	77
33	NKp46-expressing human gut-resident intraepithelial \hat{VIT} Cell subpopulation exhibits high antitumor activity against colorectal cancer. JCI Insight, 2019, 4, .	5.0	77
34	NK cells to cure cancer. Seminars in Immunology, 2019, 41, 101272.	5.6	70
35	Increased Infiltration of Natural Killer and T Cells in Colorectal Liver Metastases Improves Patient Overall Survival. Journal of Gastrointestinal Surgery, 2017, 21, 1226-1236.	1.7	69
36	Mapping of NKp46+ Cells in Healthy Human Lymphoid and Non-Lymphoid Tissues. Frontiers in Immunology, 2012, 3, 344.	4.8	68

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37	On the Way to Become a Natural Killer Cell. Frontiers in Immunology, 2019, 10, 1812.	4.8	66
38	Identification of NKG2A and NKp80 as specific natural killer cell markers in rhesus and pigtailed monkeys. Blood, 2005, 106, 1718-1725.	1.4	65
39	NK Cell Subset Redistribution during the Course of Viral Infections. Frontiers in Immunology, 2014, 5, 390.	4.8	64
40	The early expansion of anergic NKG2A ^{pos} /CD56 ^{dim} /CD16 ^{neg} natural killer represents a therapeutic target in haploidentical hematopoietic stem cell transplantation. Haematologica, 2018, 103, 1390-1402.	3.5	61
41	Identification, molecular cloning and functional characterization of NKp46 and NKp30 natural cytotoxicity receptors inMacaca fascicularis NK cells. European Journal of Immunology, 2001, 31, 3546-3556.	2.9	60
42	Costimulatory Molecules and Immune Checkpoints Are Differentially Expressed on Different Subsets of Dendritic Cells. Frontiers in Immunology, 2019, 10, 1325.	4.8	55
43	Expanded Human Blood-Derived γÎÂT Cells Display Potent Antigen-Presentation Functions. Frontiers in Immunology, 2014, 5, 344.	4.8	52
44	Role of myeloid cells in the immunosuppressive microenvironment in gliomas. Immunobiology, 2020, 225, 151853.	1.9	50
45	ATP secreted by endothelial cells blocks CX3CL1-elicited natural killer cell chemotaxis and cytotoxicity via P2Y11 receptor activation. Blood, 2010, 116, 4492-4500.	1.4	49
46	Treatment with belimumab restores B cell subsets and their expression of B cell activating factor receptor in patients with primary Sjogren's syndrome. Rheumatology, 2015, 54, 1429-1434.	1.9	49
47	MFSD2A Promotes Endothelial Generation of Inflammation-Resolving Lipid Mediators and Reduces ColitisÂinÂMice. Gastroenterology, 2017, 153, 1363-1377.e6.	1.3	48
48	Engagement of Siglec-7 Receptor Induces a Pro-Inflammatory Response Selectively in Monocytes. PLoS ONE, 2012, 7, e45821.	2.5	46
49	Differential disappearance of inhibitory natural killer cell receptors during HAART and possible impairment of HIV-1-specific CD8 cytotoxic T lymphocytes. Aids, 2001, 15, 965-974.	2.2	44
50	Human innate lymphoid cells (ILCs): Toward a uniform immuneâ€phenotyping. Cytometry Part B - Clinical Cytometry, 2018, 94, 392-399.	1.5	43
51	Sialic acid-binding Ig-like lectin-7 interacts with HIV-1 gp120 and facilitates infection of CD4posT cells and macrophages. Retrovirology, 2013, 10, 154.	2.0	42
52	Comparison of Fibronectin and Collagen in Supporting the Isolation and Expansion of Endothelial Progenitor Cells from Human Adult Peripheral Blood. PLoS ONE, 2013, 8, e66734.	2.5	42
53	Host Immune Responses in HIV-1 Infection: The Emerging Pathogenic Role of Siglecs and Their Clinical Correlates. Frontiers in Immunology, 2017, 8, 314.	4.8	40
54	CD56 as a marker of an ILC1-like population with NK cell properties that is functionally impaired in AML. Blood Advances, 2019, 3, 3674-3687.	5 . 2	40

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55	Lysis of HIV-1-infected autologous CD4+ primary T cells by interferon-alpha-activated NK cells requires NKp46 and NKG2D. Aids, 2015, 29, 1767-1773.	2.2	38
56	Targeting NKG2A to elucidate natural killer cell ontogenesis and to develop novel immuneâ€therapeutic strategies in cancer therapy. Journal of Leukocyte Biology, 2019, 105, 1243-1251.	3.3	37
57	Safety of MF59-Adjuvanted Influenza Vaccination in the Elderly: Results of a Comparative Study of MF59-Adjuvanted Vaccine Versus Nonadjuvanted Influenza Vaccine in Northern Italy. American Journal of Epidemiology, 2013, 178, 1139-1145.	3.4	36
58	Impact of APOL1 polymorphism and IL- $1\hat{1}^2$ priming in the entry and persistence of HIV-1 in human podocytes. Retrovirology, 2016, 13, 63.	2.0	36
59	The yinâ€yang of the interaction between myelomonocytic cells and <scp>NK</scp> cells. Scandinavian Journal of Immunology, 2018, 88, e12705.	2.7	34
60	CXCR3 Identifies Human Naive CD8+ T Cells with Enhanced Effector Differentiation Potential. Journal of Immunology, 2019, 203, 3179-3189.	0.8	34
61	Chemotherapy accelerates immune-senescence and functional impairments of VÎ 2pos T cells in elderly patients affected by liver metastatic colorectal cancer., 2019, 7, 347.		34
62	Natural Killer Cells in SARS-CoV-2 Infection: Pathophysiology and Therapeutic Implications. Frontiers in Immunology, 0, 13 , .	4.8	34
63	Targeted lysis of HIV-infected cells by natural killer cells armed and triggered by a recombinant immunoglobulin fusion protein: implications for immunotherapy. Virology, 2005, 332, 491-497.	2.4	33
64	A prospective observational study of associated anomalies in Hirschsprung's disease. Orphanet Journal of Rare Diseases, 2013, 8, 184.	2.7	33
65	Dopamine Inhibits the Effector Functions of Activated NK Cells via the Upregulation of the D5 Receptor. Journal of Immunology, 2014, 193, 2792-2800.	0.8	33
66	Full-length soluble urokinase plasminogen activator receptor down-modulates nephrin expression in podocytes. Scientific Reports, 2015, 5, 13647.	3.3	32
67	Cancer Immunotherapy by Blocking Immune Checkpoints on Innate Lymphocytes. Cancers, 2020, 12, 3504.	3.7	30
68	Impact of donor age and kinship on clinical outcomes after T-cell–replete haploidentical transplantation with PT-Cy. Blood Advances, 2020, 4, 3900-3912.	5.2	30
69	NKG2A expression identifies a subset of human VÎ 2 TÂcells exerting the highest antitumor effector functions. Cell Reports, 2021, 37, 109871.	6.4	30
70	Induction of RET Dependent and Independent Pro-Inflammatory Programs in Human Peripheral Blood Mononuclear Cells from Hirschsprung Patients. PLoS ONE, 2013, 8, e59066.	2.5	24
71	Curtailed Tâ€cell activation curbs effector differentiation and generates CD8 ⁺ T cells with a naturallyâ€occurring memory stem cell phenotype. European Journal of Immunology, 2017, 47, 1468-1476.	2.9	21
72	Different Features of Tumor-Associated NK Cells in Patients With Low-Grade or High-Grade Peritoneal Carcinomatosis. Frontiers in Immunology, 2019, 10, 1963.	4.8	21

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73	A Metagenomics Study on Hirschsprung's Disease Associated Enterocolitis: Biodiversity and Gut Microbial Homeostasis Depend on Resection Length and Patient's Clinical History. Frontiers in Pediatrics, 2019, 7, 326.	1.9	19
74	Single-cell profiling identifies impaired adaptive NK cells expanded after HCMV reactivation in haploidentical HSCT. JCI Insight, 2021, 6, .	5.0	19
75	Tumor microenvironment in primary liver tumors: A challenging role of natural killer cells. World Journal of Gastroenterology, 2020, 26, 4900-4918.	3.3	19
76	Prospective study of natural killer cell phenotype in recurrent hepatitis C virus infection following liver transplantation. Journal of Hepatology, 2009, 50, 314-322.	3.7	18
77	Dendritic Cells/Natural Killer Cross-Talk: A Novel Target for Human Immunodeficiency Virus Type-1 Protease Inhibitors. PLoS ONE, 2010, 5, e11052.	2.5	18
78	Reduction of maternal circulating endothelial progenitor cells in human pregnancies with intrauterine growth restriction. Placenta, 2014, 35, 431-436.	1.5	16
79	Tissueâ€resident and memory properties of human Tâ€cell and NKâ€cell subsets. European Journal of Immunology, 2016, 46, 1809-1817.	2.9	16
80	Extracellular Vesicles After Allogeneic Hematopoietic Cell Transplantation: Emerging Role in Post-Transplant Complications. Frontiers in Immunology, 2020, 11, 422.	4.8	16
81	Multiple HLA-class I-specific inhibitory NK receptor expression and IL-4/IL-5 production by CD8+ T-cell clones in HIV-1 infection. Immunology Letters, 2000, 72, 179-182.	2.5	15
82	Isolation of a novel KIR2DL3-specific mAb: comparative analysis of the surface distribution and function of KIR2DL2, KIR2DL3 and KIR2DS2. International Immunology, 2004, 16, 1459-1466.	4.0	15
83	Dual RESTâ€dependence of L1CAM: from gene expression to alternative splicing governed by Nova2 in neural cells. Journal of Neurochemistry, 2012, 120, 699-709.	3.9	15
84	Inhibiting the inhibitors. Oncolmmunology, 2013, 2, e26535.	4.6	15
85	Different combinations of cytokines and activating receptor stimuli are required for human natural killer cell functional diversity. Cytokine, 2013, 62, 58-63.	3.2	14
86	Bright expression of <scp>CD</scp> 91 identifies highly activated human dendritic cells that can be expanded by defensins. Immunology, 2015, 144, 661-667.	4.4	14
87	B-cell reconstitution recapitulates B-cell lymphopoiesis following haploidentical BM transplantation and post-transplant CY. Bone Marrow Transplantation, 2015, 50, 317-319.	2.4	14
88	FACS Analysis of Memory T Lymphocytes. Methods in Molecular Biology, 2017, 1514, 31-47.	0.9	14
89	Natural Killer–Dendritic Cell Interactions in Liver Cancer: Implications for Immunotherapy. Cancers, 2021, 13, 2184.	3.7	14
90	Low expression of inhibitory natural killer receptors in CD8 cytotoxic T lymphocytes in long-term non-progressor HIV-1-infected patients. Aids, 2003, 17, 257-260.	2.2	14

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91	Pretransplant active disease status and HLA class II mismatching are associated with increased incidence and severity of cytokine release syndrome after haploidentical transplantation with posttransplant cyclophosphamide. Cancer Medicine, 2020, 9, 52-61.	2.8	13
92	Expression Variability and Function of the RET Gene in Adult Peripheral Blood Mononuclear Cells. Journal of Cellular Physiology, 2014, 229, 2027-2037.	4.1	12
93	Innate Immune Responses in the Outcome of Haploidentical Hematopoietic Stem Cell Transplantation to Cure Hematologic Malignancies. Frontiers in Immunology, 2019, 10, 2794.	4.8	12
94	Feasibility and Efficacy of CD45RA+ Depleted Donor Lymphocytes Infusion After Haploidentical Transplantation With Post-Transplantation Cyclophosphamide in Patients With Hematological Malignancies. Transplantation and Cellular Therapy, 2021, 27, 478.e1-478.e5.	1.2	12
95	Re-discovering NK cell allo-reactivity in the therapy of solid tumors. , 2016, 4, 54.		11
96	Biomarkers for acute and chronic graft versus host disease: state of the art. Expert Review of Hematology, 2021, 14, 79-96.	2.2	10
97	Possible hepatitis C virus involvement in acute meningoradiculitis/polyradiculitis of HIV-1-co-infected patients. Aids, 2001, 15, 539-541.	2.2	9
98	Increased Frequency and Vasculogenic Potential of Endothelial Colony-Forming Cells in Patients with Kaposi's Sarcoma. Journal of Investigative Dermatology, 2017, 137, 1533-1540.	0.7	8
99	Pathologic up-regulation of TNFSF15–TNFRSF25 axis sustains endothelial dysfunction in unprovoked venous thromboembolism. Cardiovascular Research, 2020, 116, 698-707.	3.8	8
100	Peri-tumoural CD3+ Inflammation and Neutrophil-to-Lymphocyte Ratio Predict Overall Survival in Patients Affected by Colorectal Liver Metastases Treated with Surgery. Journal of Gastrointestinal Surgery, 2020, 24, 1061-1070.	1.7	8
101	NKp30 Receptor Upregulation in Salivary Glands of Sjögren's Syndrome Characterizes Ectopic Lymphoid Structures and Is Restricted by Rituximab Treatment. Frontiers in Immunology, 2021, 12, 706737.	4.8	8
102	Novel multifunctional antibody approved for the treatment of breast cancer. Oncolmmunology, 2013, 2, e24567.	4.6	6
103	Editorial: NK cell immune activation in HIV-1 infection: flipping the bad and good side of the same coin. Journal of Leukocyte Biology, 2014, 96, 1-3.	3.3	6
104	Editorial: Senescent angiogenic T cells: the use of CD28 makes the difference in endothelial homeostasis. Journal of Leukocyte Biology, 2016, 99, 399-401.	3.3	6
105	Comprehensive Phenotyping of Dendritic Cells in Cancer Patients by Flow Cytometry. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2021, 99, 218-230.	1.5	6
106	The OSMR Gene Is Involved in Hirschsprung Associated Enterocolitis Susceptibility through an Altered Downstream Signaling. International Journal of Molecular Sciences, 2021, 22, 3831.	4.1	6
107	Single-cell profiling reveals the dynamics of cytomegalovirus-specific T cells in haploidentical hematopoietic stem cell transplantation. Haematologica, 2021, 106, 2768-2773.	3.5	6
108	NK cell recruitment in salivary glands provides early viral control but is dispensable for tertiary lymphoid structure formation. Journal of Leukocyte Biology, 2019, 105, 589-602.	3.3	5

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109	Extracellular Vesicles as Biomarkers of Acute Graft-vsHost Disease After Haploidentical Stem Cell Transplantation and Post-Transplant Cyclophosphamide. Frontiers in Immunology, 2021, 12, 816231.	4.8	5
110	Allele-Specific Expression at the <i>RET </i> Locus in Blood and Gut Tissue of Individuals Carrying Risk Alleles for Hirschsprung Disease. Human Mutation, 2013, 34, 754-762.	2.5	4
111	Development of Human ILCs and Impact of Unconventional Cytotoxic Subsets in the Pathophysiology of Inflammatory Diseases and Cancer. Frontiers in Immunology, 2022, 13, .	4.8	4
112	APOL1 polymorphism modulates sphingolipid profile of human podocytes. Glycoconjugate Journal, 2020, 37, 729-744.	2.7	3
113	Editorial: IFN-Â: a Janus-faced cytokine in dendritic cell programming. Journal of Leukocyte Biology, 2014, 95, 6-8.	3.3	2
114	Are human $\hat{V1}$ 2pos T cells really resistant to aging and Human Cytomegalovirus infection?. EBioMedicine, 2019, 43, 30.	6.1	2
115	HIV-1-induced inflammation shapes innate immunity and induces adaptive traits in NK cells. Nature Immunology, 2020, 21, 245-247.	14.5	2
116	HCV-Negative Mixed Cryoglobulinemic Glomerulonephritis and Solid Malignancy: A Case Report and Review of the Literature. Nephro-Urology Monthly, 2017, 9, .	0.1	1
117	Immunotherapeutic early-phase clinical trials and malignant gliomas: a single-center experience and comprehensive immunophenotyping of circulating leukocytes. Neuro-Oncology Advances, 2021, 3, vdab160.	0.7	1
118	Natural killer cells and human immunodeficiency virus. , 2010, , 481-497.		0
119	Editorial: Activation, functions, and generation of immunological memory in γδT lymphocytes: lessons from nonhuman primates. Journal of Leukocyte Biology, 2014, 96, 948-950.	3.3	0
120	220 Intratumoral CD3+ and Nkp46+ Cells Protect Against Tumor Progression in Resected Colorectal Liver Metastases Treated With Neoadjuvant Chemotherapy. Gastroenterology, 2016, 150, S1174-S1175.	1.3	0
121	Editorial: Natural killer cells "strike―a new cord. Journal of Leukocyte Biology, 2016, 100, 449-451.	3.3	0
122	01.09â€Myeloid cells drive early inflammation and orchestrate salivary glands tertiary lymphoid structures formation in a model of inducible sialadenitis., 2017,,.		0
123	Su1582 - Peritumoral CD3+ Inflammation and Neutrophil to Lymphocyte Ratio Predict Overall Survival in Patients Affected by Colorectal Liver Metastases Treated with Surgery. Gastroenterology, 2018, 154, S-1312.	1.3	0
124	Effect of intratumoral CD3+ and NKp46+ cells on tumor progression in resected colorectal liver metastases treated with neoadjuvant chemotherapy Journal of Clinical Oncology, 2016, 34, 281-281.	1.6	0
125	Predictive role of peritumoral CD3+ infiltration and neutrophil to lymphocyte ratio on overall survial in pateints affected by colorectal liver metastases treated with chemotherapy and surgery Journal of Clinical Oncology, 2018, 36, 27-27.	1.6	O
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127	Plasmatic Extracellular Vesicles in Acute Graft-Versus-Host Disease after Haplo-Identical Allografting with Post-Transplant Cyclophosphamide. Blood, 2019, 134, 598-598.	1.4	O