

Francesco Colucci

List of Publications by Year in descending order

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104
papers

7,526
citations

50276

46
h-index

54911

84
g-index

118
all docs

118
docs citations

118
times ranked

8717
citing authors

#	ARTICLE	IF	CITATIONS
1	What does it take to make a natural killer?. <i>Nature Reviews Immunology</i> , 2003, 3, 413-425.	22.7	437
2	Tyrosine kinase SYK: essential functions for immunoreceptor signalling. <i>Trends in Immunology</i> , 2000, 21, 148-154.	7.5	376
3	Identification of committed NK cell progenitors in adult murine bone marrow. <i>European Journal of Immunology</i> , 2001, 31, 1900-1909.	2.9	314
4	NCRs and DNAM-1 mediate NK cell recognition and lysis of human and mouse melanoma cell lines in vitro and in vivo. <i>Journal of Clinical Investigation</i> , 2009, 119, 1251-1263.	8.2	313
5	Uterine NK cells: active regulators at the maternal-fetal interface. <i>Journal of Clinical Investigation</i> , 2014, 124, 1872-1879.	8.2	309
6	Reprogramming of T Cells to Natural Killer-Like Cells upon <i>Bcl11b</i> Deletion. <i>Science</i> , 2010, 329, 85-89.	12.6	294
7	Roles for Common Cytokine Receptor \hat{I}^3 -Chain-Dependent Cytokines in the Generation, Differentiation, and Maturation of NK Cell Precursors and Peripheral NK Cells in Vivo. <i>Journal of Immunology</i> , 2005, 174, 1213-1221.	0.8	248
8	Maternal uterine NK cell-activating receptor KIR2DS1 enhances placentation. <i>Journal of Clinical Investigation</i> , 2013, 123, 4264-4272.	8.2	231
9	GATA-3 Promotes Maturation, IFN- \hat{I}^3 Production, and Liver-Specific Homing of NK Cells. <i>Immunity</i> , 2003, 19, 701-711.	14.3	218
10	Uterine Natural Killer Cells: Functional Distinctions and Influence on Pregnancy in Humans and Mice. <i>Frontiers in Immunology</i> , 2017, 8, 467.	4.8	176
11	Natural killer cell activation in mice and men: different triggers for similar weapons?. <i>Nature Immunology</i> , 2002, 3, 807-813.	14.5	173
12	NKG2D triggers cytotoxicity in mouse NK cells lacking DAP12 or Syk family kinases. <i>Nature Immunology</i> , 2003, 4, 565-572.	14.5	166
13	Co-evolution of <i>NK</i> receptors and <i>HLA</i> ligands in humans is driven by reproduction. <i>Immunological Reviews</i> , 2015, 267, 283-297.	6.0	154
14	Immature NK Cells, Capable of Producing IL-22, Are Present in Human Uterine Mucosa. <i>Journal of Immunology</i> , 2010, 185, 3913-3918.	0.8	153
15	Paternal MHC expression on mouse trophoblast affects uterine vascularization and fetal growth. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 4012-4017.	7.1	138
16	A <i>KIR B</i> centromeric region present in Africans but not Europeans protects pregnant women from pre-eclampsia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 845-850.	7.1	134
17	Composition, Development, and Function of Uterine Innate Lymphoid Cells. <i>Journal of Immunology</i> , 2015, 195, 3937-3945.	0.8	130
18	Unique Receptor Repertoire in Mouse Uterine NK cells. <i>Journal of Immunology</i> , 2008, 181, 6140-6147.	0.8	126

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19	A Critical Role for Syk Protein Tyrosine Kinase in Fc Receptor-Mediated Antigen Presentation and Induction of Dendritic Cell Maturation. <i>Journal of Immunology</i> , 2003, 170, 846-852.	0.8	123
20	Phospholipase C- β 2 is essential for NK cell cytotoxicity and innate immunity to malignant and virally infected cells. <i>Blood</i> , 2006, 107, 994-1002.	1.4	120
21	Differential requirement for the transcription factor PU.1 in the generation of natural killer cells versus B and T cells. <i>Blood</i> , 2001, 97, 2625-2632.	1.4	112
22	Apoptosis resistance of nonobese diabetic peripheral lymphocytes linked to the Idd5 diabetes susceptibility region. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997, 94, 8670-8674.	7.1	111
23	Distinctive phenotypes and functions of innate lymphoid cells in human decidua during early pregnancy. <i>Nature Communications</i> , 2020, 11, 381.	12.8	110
24	Enrichment of CD56dimKIR+CD57+ highly cytotoxic NK cells in tumour-infiltrated lymph nodes of melanoma patients. <i>Nature Communications</i> , 2014, 5, 5639.	12.8	109
25	Decidualisation and placentation defects are a major cause of age-related reproductive decline. <i>Nature Communications</i> , 2017, 8, 352.	12.8	107
26	Natural cytotoxicity uncoupled from the Syk and ZAP-70 intracellular kinases. <i>Nature Immunology</i> , 2002, 3, 288-294.	14.5	105
27	Impaired Natural Killer Cell Phenotype and Function in Idiopathic and Heritable Pulmonary Arterial Hypertension. <i>Circulation</i> , 2012, 126, 1099-1109.	1.6	99
28	MHC-dependent inhibition of uterine NK cells impedes fetal growth and decidual vascular remodelling. <i>Nature Communications</i> , 2014, 5, 3359.	12.8	90
29	Tissue-Specific Education of Decidual NK Cells. <i>Journal of Immunology</i> , 2015, 195, 3026-3032.	0.8	88
30	Identification of the earliest prethymic bipotent T/NK progenitor in murine fetal liver. <i>Blood</i> , 2002, 99, 463-471.	1.4	83
31	The p110 δ catalytic isoform of PI3K is a key player in NK-cell development and cytokine secretion. <i>Blood</i> , 2007, 110, 3202-3208.	1.4	83
32	Dicer-Dependent MicroRNA Pathway Controls Invariant NKT Cell Development. <i>Journal of Immunology</i> , 2009, 183, 2506-2512.	0.8	82
33	Activating KIR2DS4 Is Expressed by Uterine NK Cells and Contributes to Successful Pregnancy. <i>Journal of Immunology</i> , 2016, 197, 4292-4300.	0.8	80
34	Molecular definition of group 1 innate lymphoid cells in the mouse uterus. <i>Nature Communications</i> , 2018, 9, 4492.	12.8	77
35	Functional Dichotomy in Natural Killer Cell Signaling. <i>Journal of Experimental Medicine</i> , 2001, 193, 1413-1424.	8.5	75
36	p110 α and p110 β isoforms of phosphoinositide 3-kinase differentially regulate natural killer cell migration in health and disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 5795-5800.	7.1	74

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37	New views on natural killer cell-based immunotherapy for melanoma treatment. Trends in Immunology, 2010, 31, 339-345.	6.8	74
38	Variation of maternal KIR and fetal HLA-C genes in reproductive failure: too early for clinical intervention. Reproductive BioMedicine Online, 2016, 33, 763-769.	2.4	73
39	Maternal allo-recognition of the fetus. Fertility and Sterility, 2017, 107, 1269-1272.	1.0	73
40	The receptor tyrosine kinase c-kit provides a critical signal for survival, expansion, and maturation of mouse natural killer cells. Blood, 2000, 95, 984-991.	1.4	71
41	DBA-Lectin Reactivity Defines Mouse Uterine Natural Killer Cell Subsets with Biased Gene Expression1. Biology of Reproduction, 2012, 87, 81.	2.7	69
42	The Residual Innate Lymphoid Cells in NFIL3-Deficient Mice Support Suboptimal Maternal Adaptations to Pregnancy. Frontiers in Immunology, 2016, 7, 43.	4.8	62
43	The role of KIR and HLA interactions in pregnancy complications. Immunogenetics, 2017, 69, 557-565.	2.4	60
44	IL-15, TIM-3 and NK cells subsets predict responsiveness to anti-CTLA-4 treatment in melanoma patients. OncoImmunology, 2017, 6, e1261242.	4.6	59
45	Analysis of Uterine Natural Killer Cells in Mice. Methods in Molecular Biology, 2010, 612, 465-503.	0.9	55
46	How Do Uterine Natural Killer and Innate Lymphoid Cells Contribute to Successful Pregnancy?. Frontiers in Immunology, 2021, 12, 607669.	4.8	55
47	How does variability of immune system genes affect placentation?. Placenta, 2011, 32, 539-545.	1.5	49
48	Vav proteins regulate peripheral B-cell survival. Blood, 2005, 106, 2391-2398.	1.4	46
49	Dormant Tumor Cells Develop Cross-Resistance to Apoptosis Induced by CTLs or Imatinib Mesylate via Methylation of Suppressor of Cytokine Signaling 1. Cancer Research, 2007, 67, 4491-4498.	0.9	46
50	IL-12/15/18-primed preactivated NK cells suppress GvHD in a mouse model of mismatched hematopoietic cell transplantation. European Journal of Immunology, 2015, 45, 1727-1735.	2.9	45
51	Biology and pathology of the uterine microenvironment and its natural killer cells. Cellular and Molecular Immunology, 2021, 18, 2101-2113.	10.5	45
52	The CD94/NKG2A inhibitory receptor educates uterine NK cells to optimize pregnancy outcomes in humans and mice. Immunity, 2021, 54, 1231-1244.e4.	14.3	44
53	<i>Cmv4</i> , a New Locus Linked to the NK Cell Gene Complex, Controls Innate Resistance to Cytomegalovirus in Wild-Derived Mice. Journal of Immunology, 2006, 176, 5478-5485.	0.8	43
54	Programmed Cell Death in the Pathogenesis of Murine IDDM: Resistance to Apoptosis Induced in Lymphocytes by Cyclophosphamide. Journal of Autoimmunity, 1996, 9, 271-276.	6.5	40

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55	Inositol Phospholipid Signaling and the Biology of Natural Killer Cells. <i>Journal of Innate Immunity</i> , 2011, 3, 249-257.	3.8	38
56	High-Resolution Genetic and Phenotypic Analysis of KIR2DL1 Alleles and Their Association with Pre-Eclampsia. <i>Journal of Immunology</i> , 2018, 201, 2593-2601.	0.8	33
57	CTLA-4 ^{-/-} Mice Display T Cell-apoptosis Resistance Resembling that Ascribed to Autoimmune-prone Non-obese Diabetic (NOD) Mice. <i>Journal of Autoimmunity</i> , 2001, 16, 105-113.	6.5	32
58	Maternal uterine natural killer cells nurture fetal growth: in medio stat virtus. <i>Trends in Molecular Medicine</i> , 2015, 21, 60-67.	6.7	31
59	HLA class I downregulation is associated with enhanced NK cell killing of melanoma cells with acquired drug resistance to BRAF inhibitors. <i>European Journal of Immunology</i> , 2016, 46, 409-419.	2.9	31
60	Combined deficiency in $\text{Î}^{\text{E}}\text{B}1\text{z}$ and $\text{Î}^{\text{E}}\text{B}1\text{u}$ reveals a critical window of NF- $\text{Î}^{\text{E}}\text{B}$ activity in natural killer cell differentiation. <i>Blood</i> , 2004, 103, 4573-4580.	1.4	30
61	Spontaneous pulmonary hypertension in genetic mouse models of natural killer cell deficiency. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2018, 315, L977-L990.	2.9	30
62	Role of Qa-1b-binding receptors in the specificity of developing NK cells. <i>European Journal of Immunology</i> , 2000, 30, 1094-1101.	2.9	28
63	E2-2 Regulates the Expansion of Pro-B Cells and Follicular versus Marginal Zone Decisions. <i>Journal of Immunology</i> , 2006, 177, 6723-6729.	0.8	28
64	PLC $\text{Î}^{\text{E}}\text{3}2$ regulates Bcl-2 levels and is required for survival rather than differentiation of marginal zone and follicular B cells. <i>European Journal of Immunology</i> , 2004, 34, 2237-2247.	2.9	27
65	The immunological code of pregnancy. <i>Science</i> , 2019, 365, 862-863.	12.6	27
66	Anatomy of a murder ^â signal transduction pathways leading to activation of natural killer cells. <i>Immunology Letters</i> , 2005, 97, 31-39.	2.5	26
67	Establishment and Characterization of RAG $\text{Î}^{\text{E}}\text{2}$ Deficient Non ^â Obese Diabetic Mice. <i>Scandinavian Journal of Immunology</i> , 1996, 43, 525-530.	2.7	25
68	Medawar and the immunological paradox of pregnancy: 60 years on. <i>European Journal of Immunology</i> , 2014, 44, 1883-1885.	2.9	24
69	Variations in killer-cell immunoglobulin-like receptor and human leukocyte antigen genes and immunity to malaria. <i>Cellular and Molecular Immunology</i> , 2020, 17, 799-806.	10.5	23
70	A New Look at Syk in $\text{Î}^{\text{E}}\text{1}2$ and $\text{Î}^{\text{E}}\text{3}1$ T Cell Development Using Chimeric Mice with a Low Competitive Hematopoietic Environment. <i>Journal of Immunology</i> , 2000, 164, 5140-5145.	0.8	22
71	PI3K signalling in lymphocyte migration. <i>Cell Cycle</i> , 2009, 8, 3307-3310.	2.6	21
72	Maternal natural killer cells at the intersection between reproduction and mucosal immunity. <i>Mucosal Immunology</i> , 2021, 14, 991-1005.	6.0	20

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73	A comparative analysis of immune privilege in pregnancy and cancer in the context of checkpoint blockade immunotherapy. <i>Seminars in Oncology</i> , 2018, 45, 170-175.	2.2	17
74	Natural killer and T cells of innate and adaptive immunity: lymphoid compartments with different requirements for common gamma chain-dependent cytokines. <i>Immunological Reviews</i> , 1998, 165, 29-38.	6.0	16
75	p110 $\hat{\nu}$ is required for innate immunity to transplantable lymphomas. <i>Biochemical Society Transactions</i> , 2007, 35, 183-185.	3.4	16
76	Disrupted PI3K p110 $\hat{\nu}$ Signaling Dysregulates Maternal Immune Cells and Increases Fetal Mortality In Mice. <i>Cell Reports</i> , 2015, 13, 2817-2828.	6.4	15
77	An Oral Commensal Associates with Disease: Chicken, Egg, or Red Herring?. <i>Immunity</i> , 2015, 42, 208-210.	14.3	13
78	Killer $\hat{\nu}$ cell immunoglobulin $\hat{\nu}$ like receptors on the cusp of modern immunogenetics. <i>Immunology</i> , 2017, 152, 556-561.	4.4	13
79	Assessment of Maternal Vascular Remodeling During Pregnancy in the Mouse Uterus. <i>Journal of Visualized Experiments</i> , 2015, , e53534.	0.3	12
80	Immunomodulation of Selective Naive T Cell Functions by p110 $\hat{\nu}$ Inactivation Improves the Outcome of Mismatched Cell Transplantation. <i>Cell Reports</i> , 2015, 10, 702-710.	6.4	12
81	The absence of Grb2-associated binder 2 (Gab2) does not disrupt NK cell development and functions. <i>Journal of Leukocyte Biology</i> , 2004, 76, 896-903.	3.3	11
82	Unexpected partnership between IL-15 and DAP10. <i>Nature Immunology</i> , 2007, 8, 1289-1291.	14.5	10
83	A Simple Method to Measure NK Cell Cytotoxicity In Vivo. <i>Methods in Molecular Biology</i> , 2010, 612, 325-334.	0.9	6
84	Diversity of KIR genes and their HLA-C ligands in Ugandan populations with historically varied malaria transmission intensity. <i>Malaria Journal</i> , 2021, 20, 111.	2.3	5
85	Beyond Maternal Tolerance: Education of Uterine Natural Killer Cells by Maternal MHC Drives Fetal Growth. <i>Frontiers in Immunology</i> , 2022, 13, .	4.8	5
86	Single-Cell Analysis Identifies Thymic Maturation Delay in Growth-Restricted Neonatal Mice. <i>Frontiers in Immunology</i> , 2018, 9, 2523.	4.8	4
87	Induction of Diabetes in NOD $\hat{\nu}$ C57BL/6 Embryo Aggregation Chimeras by Cyclophosphamide Through Preferential Depletion of C57BL/6 Lymphocytes. <i>Journal of Autoimmunity</i> , 1996, 9, 493-499.	6.5	3
88	Taming killer cells may halt diabetes progression. <i>Nature Immunology</i> , 2010, 11, 111-112.	14.5	3
89	Diabetes Induction in C57BL/6 Mice Reconstituted with Lymphocytes of Nonobese Diabetic $\hat{\nu}$ C57BL/6 Mouse Embryo Aggregation Chimeras. <i>Scandinavian Journal of Immunology</i> , 1998, 48, 571-576.	2.7	2
90	He Who Laughs Last Laughs Best $\hat{\nu}$ Innate Immunity and Viral Selection. <i>Immunity</i> , 2004, 20, 656-658.	14.3	2

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91	Analysis of T and NK cells immune response in Ipilimumab treated Melanoma patients. Journal of Translational Medicine, 2015, 13, O8.	4.4	2
92	Placentation and antitumor immunity regulated by a scaffolding protein in NK cells. Science Immunology, 2019, 4, .	11.9	2
93	Non-Diabetogenic Insulinitis in NOD<->BIO. GD Allophenic Mice in Spite of Permissive Class I MHC Antigens. Scandinavian Journal of Immunology, 1994, 40, 659-664.	2.7	1
94	Guardian of the genome turns on genes that alert natural killer cells. Cell Cycle, 2011, 10, 3822-3822.	2.6	1
95	Imagine a world without borders: an immunologist's thoughts on Brexit. EMBO Reports, 2016, 17, 1241-1241.	4.5	1
96	Microbes, immunity and cancer in Capri: Another successful course of the EFISâ€œI Ruggero Ceppellini Advanced School of Immunology founded by Serafino Zappacosta. European Journal of Immunology, 2019, 49, 2123-2126.	2.9	1
97	How murine genetics can help to identify susceptibility genes in human disease. , 1998, 14, 190-191.		0
98	?A Japanese gentleman of the Samurai tradition?: Takeshi Matsunaga 1945?2003. Immunogenetics, 2003, 55, 515-520.	2.4	0
99	Intellectual edge can be gained in translation. Nature, 2007, 446, 372-372.	27.8	0
100	Reply to Lenz: Parental MHC disparity may affect offspring fitness via uterine natural killer cells. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, E254-E254.	7.1	0
101	Harnessing host innate immunity may combat acquired resistance to BRAFi. Journal of Translational Medicine, 2014, 12, O10.	4.4	0
102	Enrichment of KIR+CD57+ highly cytotoxic NK cells in sentinel lymph nodes of melanoma patients. Journal of Translational Medicine, 2014, 12, P10.	4.4	0
103	Sharing Knowledge With Young and Established Students of Immunology by the Neapolitan Gulf at the Ruggero Ceppellini Advanced School. Frontiers in Immunology, 2020, 11, 43.	4.8	0
104	Isolation of Uterine Innate Lymphoid Cells for Analysis by Flow Cytometry. Journal of Visualized Experiments, 2021, , .	0.3	0