

# Hans-Gustaf Ljunggren

## List of Publications by Year in descending order

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189  
papers

26,989  
citations

11608

70  
h-index

6454

157  
g-index

197  
all docs

197  
docs citations

197  
times ranked

25095  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | In search of the "missing self": MHC molecules and NK cell recognition. Trends in Immunology, 1990, 11, 237-244.  | 7.5  | 2,377     |
| 2  | Selective rejection of H2-deficient lymphoma variants suggests alternative immune defence strategy. Nature, 1986, 319, 675-678.                                   | 13.7 | 1,914     |
| 3  | Robust T Cell Immunity in Convalescent Individuals with Asymptomatic or Mild COVID-19. Cell, 2020, 183, 158-168.e14.  | 13.5 | 1,561     |
| 4  | Association of class I major histocompatibility heavy and light chains induced by viral peptides. Nature, 1989, 340, 443-448.                                     | 13.7 | 1,015     |
| 5  | Empty MHC class I molecules come out in the cold. Nature, 1990, 346, 476-480.   | 13.7 | 905       |
| 6  | Guidelines for the use of flow cytometry and cell sorting in immunological studies (second edition). European Journal of Immunology, 2019, 49, 1457-1973.         | 1.6  | 766       |
| 7  | Regulation of human NK-cell cytokine and chemokine production by target cell recognition. Blood, 2010, 115, 2167-2176.  | 0.6  | 711       |
| 8  | Synergy among receptors on resting NK cells for the activation of natural cytotoxicity and cytokine secretion. Blood, 2006, 107, 159-166.                         | 0.6  | 697       |
| 9  | Host resistance directed selectively against H-2-deficient lymphoma variants. Analysis of the mechanism.. Journal of Experimental Medicine, 1985, 162, 1745-1759. | 4.2  | 676       |
| 10 | Expression patterns of NKG2A, KIR, and CD57 define a process of CD56dim NK-cell differentiation uncoupled from NK-cell education. Blood, 2010, 116, 3853-3864.    | 0.6  | 654       |
| 11 | Cytomegalovirus Infection Drives Adaptive Epigenetic Diversification of NK Cells with Altered Signaling and Effector Function. Immunity, 2015, 42, 443-456.       | 6.6  | 650       |
| 12 | Activation, coactivation, and costimulation of resting human natural killer cells. Immunological Reviews, 2006, 214, 73-91.                                       | 2.8  | 531       |
| 13 | Prospects for the use of NK cells in immunotherapy of human cancer. Nature Reviews Immunology, 2007, 7, 329-339.  | 10.6 | 481       |
| 14 | NK cell responses to cytomegalovirus infection lead to stable imprints in the human KIR repertoire and involve activating KIRs. Blood, 2013, 121, 2678-2688.      | 0.6  | 455       |
| 15 | Rapid expansion and long-term persistence of elevated NK cell numbers in humans infected with hantavirus. Journal of Experimental Medicine, 2011, 208, 13-21.     | 4.2  | 414       |
| 16 | Cytolytic granule polarization and degranulation controlled by different receptors in resting NK cells. Journal of Experimental Medicine, 2005, 202, 1001-1012.   | 4.2  | 409       |
| 17 | Emerging insights into natural killer cells in human peripheral tissues. Nature Reviews Immunology, 2016, 16, 310-320.  | 10.6 | 349       |
| 18 | Natural killer cell immunotypes related to COVID-19 disease severity. Science Immunology, 2020, 5, .  | 5.6  | 344       |

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|----|--|------|-----------|
| 19 | Ancestral SARS-CoV-2-specific T cells cross-recognize the Omicron variant. <i>Nature Medicine</i> , 2022, 28, 472-476.   | 15.2 | 333       |
| 20 | Organ-specific features of natural killer cells. <i>Nature Reviews Immunology</i> , 2011, 11, 658-671.   | 10.6 | 332       |
| 21 | Constitutive macropinocytosis allows TAP-dependent major histocompatibility complex class I presentation of exogenous soluble antigen by bone marrow-derived dendritic cells. <i>European Journal of Immunology</i> , 1997, 27, 280-288.   | 1.6  | 321       |
| 22 | Defective cytotoxic lymphocyte degranulation in syntaxin-11-deficient familial hemophagocytic lymphohistiocytosis 4 (FHL4) patients. <i>Blood</i> , 2007, 110, 1906-1915.  | 0.6  | 272       |
| 23 | Natural killer cell-mediated immunosurveillance of human cancer. <i>Seminars in Immunology</i> , 2017, 31, 20-29.  | 2.7  | 240       |
| 24 | Recognition of beta 2-microglobulin-negative (beta 2m-) T-cell blasts by natural killer cells from normal but not from beta 2m- mice: nonresponsiveness controlled by beta 2m- bone marrow in chimeric mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1991, 88, 10332-10336. | 3.3  | 239       |
| 25 | Cutting Edge: Identification and Characterization of Human Intrahepatic CD49a+ NK Cells. <i>Journal of Immunology</i> , 2015, 194, 2467-2471.  | 0.4  | 238       |
| 26 | Natural Killer Cells Determine Development of Allergen-induced Eosinophilic Airway Inflammation in Mice. <i>Journal of Experimental Medicine</i> , 1999, 189, 553-562.   | 4.2  | 228       |
| 27 | Minimal requirement for induction of natural cytotoxicity and intersection of activation signals by inhibitory receptors. <i>Blood</i> , 2009, 114, 2657-2666.   | 0.6  | 228       |
| 28 | Primary Human Tumor Cells Expressing CD155 Impair Tumor Targeting by Down-Regulating DNAM-1 on NK Cells. <i>Journal of Immunology</i> , 2009, 183, 4921-4930.  | 0.4  | 227       |
| 29 | Triggering of Natural Killer Cells by the Costimulatory Molecule CD80 (B7-1). <i>Immunity</i> , 1996, 5, 311-317.  | 6.6  | 220       |
| 30 | CD56 negative NK cells: origin, function, and role in chronic viral disease. <i>Trends in Immunology</i> , 2010, 31, 401-406.  | 2.9  | 220       |
| 31 | Natural killer cells in antiviral immunity. <i>Nature Reviews Immunology</i> , 2022, 22, 112-123.  | 10.6 | 204       |
| 32 | Critical Role of CD2 Co-stimulation in Adaptive Natural Killer Cell Responses Revealed in NKG2C-Deficient Humans. <i>Cell Reports</i> , 2016, 15, 1088-1099.   | 2.9  | 202       |
| 33 | DNAX Accessory Molecule-1 Mediated Recognition of Freshly Isolated Ovarian Carcinoma by Resting Natural Killer Cells. <i>Cancer Research</i> , 2007, 67, 1317-1325.  | 0.4  | 198       |
| 34 | NK Cell TRAIL Eliminates Immature Dendritic Cells In Vivo and Limits Dendritic Cell Vaccination Efficacy. <i>Journal of Immunology</i> , 2004, 172, 123-129.   | 0.4  | 191       |
| 35 | Impaired immune responses and altered peptide repertoire in tapasin-deficient mice. <i>Nature Immunology</i> , 2000, 1, 234-238.   | 7.0  | 188       |
| 36 | Natural killer cells determine the outcome of B cell-mediated autoimmunity. <i>Nature Immunology</i> , 2000, 1, 245-251.   | 7.0  | 171       |

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|----|---|-----|-----------|
| 37 | Autologous antitumor activity by NK cells expanded from myeloma patients using GMP-compliant components. <i>Blood</i> , 2008, 111, 3155-3162.   | 0.6 | 171       |
| 38 | Safety and efficacy of the mRNA BNT162b2 vaccine against SARS-CoV-2 in five groups of immunocompromised patients and healthy controls in a prospective open-label clinical trial. <i>EBioMedicine</i> , 2021, 74, 103705.         | 2.7 | 161       |
| 39 | MAIT cell activation and dynamics associated with COVID-19 disease severity. <i>Science Immunology</i> , 2020, 5, .   | 5.6 | 147       |
| 40 | Host MHC class I gene control of NK-cell specificity in the mouse. <i>Immunological Reviews</i> , 1997, 155, 11-28.   | 2.8 | 145       |
| 41 | Nonreversible MAIT cell dysfunction in chronic hepatitis C virus infection despite successful interferon-free therapy. <i>European Journal of Immunology</i> , 2016, 46, 2204-2210.   | 1.6 | 142       |
| 42 | Impact of FASL-induced apoptosis in the elimination of tumor cells by NK cells. <i>Molecular Immunology</i> , 2005, 42, 495-499.  | 1.0 | 138       |
| 43 | Complete Remission with Reduction of High-Risk Clones following Haploidentical NK-Cell Therapy against MDS and AML. <i>Clinical Cancer Research</i> , 2018, 24, 1834-1844.  | 3.2 | 136       |
| 44 | CD8+ T Cells Rapidly Acquire NK1.1 and NK Cell-Associated Molecules Upon Stimulation In Vitro and In Vivo. <i>Journal of Immunology</i> , 2000, 165, 3673-3679.   | 0.4 | 133       |
| 45 | Memory CD8+ T Cells Provide an Early Source of IFN- $\beta$ . <i>Journal of Immunology</i> , 2003, 170, 2399-2408.  | 0.4 | 132       |
| 46 | Expansion of Functionally Skewed CD56-Negative NK Cells in Chronic Hepatitis C Virus Infection: Correlation with Outcome of Pegylated IFN- $\alpha$ and Ribavirin Treatment. <i>Journal of Immunology</i> , 2009, 183, 6612-6618. | 0.4 | 132       |
| 47 | Targeting of human dendritic cells by autologous NK cells. <i>Journal of Immunology</i> , 1999, 163, 6365-70.   | 0.4 | 132       |
| 48 | Innate immunity and autoimmunity: from self-protection to self-destruction. <i>Trends in Immunology</i> , 2001, 22, 97-101.   | 2.9 | 129       |
| 49 | Functional Analysis of Human NK Cells by Flow Cytometry. <i>Methods in Molecular Biology</i> , 2010, 612, 335-352.  | 0.4 | 122       |
| 50 | Comparison of primary human cytotoxic T-cell and natural killer cell responses reveal similar molecular requirements for lytic granule exocytosis but differences in cytokine production. <i>Blood</i> , 2013, 121, 1345-1356.    | 0.6 | 122       |
| 51 | A new method for in vitro expansion of cytotoxic human CD3 $^+$ CD56 $^+$ natural killer cells. <i>Human Immunology</i> , 2001, 62, 1092-1098.  | 1.2 | 119       |
| 52 | Familial hemophagocytic lymphohistiocytosis type 3 (FHL3) caused by deep intronic mutation and inversion in UNC13D. <i>Blood</i> , 2011, 118, 5783-5793.  | 0.6 | 115       |
| 53 | Human lung natural killer cells are predominantly comprised of highly differentiated hypofunctional CD69 $^+$ CD56 $^+$ dim cells. <i>Journal of Allergy and Clinical Immunology</i> , 2017, 139, 1321-1330.e4.                   | 1.5 | 113       |
| 54 | NKG2D performs two functions in invariant NKT cells: Direct TCR-independent activation of NK-like cytotoxicity and co-stimulation of activation by CD1d. <i>European Journal of Immunology</i> , 2011, 41, 1913-1923.             | 1.6 | 111       |

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|----|--|-----|-----------|
| 55 | NK Cells Stimulate Proliferation of T and NK Cells through 2B4/CD48 Interactions. <i>Journal of Immunology</i> , 2004, 173, 174-180.   | 0.4 | 104       |
| 56 | Major alterations in the mononuclear phagocyte landscape associated with COVID-19 severity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .  | 3.3 | 104       |
| 57 | Estimation of the Size of the Alloreactive NK Cell Repertoire: Studies in Individuals Homozygous for the Group A <i>KIR</i> Haplotype. <i>Journal of Immunology</i> , 2008, 181, 6010-6019.  | 0.4 | 99        |
| 58 | Natural resistance against lymphoma grafts conveyed by H-2Dd transgene to C57BL mice.. <i>Journal of Experimental Medicine</i> , 1988, 168, 1469-1474.   | 4.2 | 98        |
| 59 | Safety analysis of <i>ex vivo</i> -expanded NK and NK-like T cells administered to cancer patients: a Phase I clinical study. <i>Immunotherapy</i> , 2009, 1, 753-764.   | 1.0 | 97        |
| 60 | Temporal Dynamics of the Primary Human T Cell Response to Yellow Fever Virus 17D As It Matures from an Effector- to a Memory-Type Response. <i>Journal of Immunology</i> , 2013, 190, 2150-2158.   | 0.4 | 97        |
| 61 | Natural killer cells in human autoimmunity. <i>Current Opinion in Immunology</i> , 2009, 21, 634-640.  | 2.4 | 94        |
| 62 | Peripheral lymphoid development and function in TCR mutant mice. <i>International Immunology</i> , 1994, 6, 1061-1070.   | 1.8 | 93        |
| 63 | KIR acquisition probabilities are independent of self-HLA class I ligands and increase with cellular KIR expression. <i>Blood</i> , 2009, 114, 95-104.   | 0.6 | 93        |
| 64 | Molecular analysis of H-2-deficient lymphoma lines. Distinct defects in biosynthesis and association of MHC class I heavy chains and beta 2-microglobulin observed in cells with increased sensitivity to NK cell lysis. <i>Journal of Immunology</i> , 1989, 142, 2911-7. | 0.4 | 91        |
| 65 | Different NK cell-activating receptors preferentially recruit Rab27a or Munc13-4 to perforin-containing granules for cytotoxicity. <i>Blood</i> , 2009, 114, 4117-4127.  | 0.6 | 90        |
| 66 | Altered expression of Ly49 inhibitory receptors on natural killer cells from MHC class I-deficient mice. <i>Journal of Immunology</i> , 1997, 158, 3174-80.  | 0.4 | 89        |
| 67 | Altered natural killer cell repertoire in Tap-1 mutant mice.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1994, 91, 6520-6524.  | 3.3 | 87        |
| 68 | Longitudinal Analysis of the Human T Cell Response during Acute Hantavirus Infection. <i>Journal of Virology</i> , 2011, 85, 10252-10260.  | 1.5 | 83        |
| 69 | Increased Infection-Related Mortality in KIR-Ligand-Mismatched Unrelated Allogeneic Hematopoietic Stem-Cell Transplantation. <i>Transplantation</i> , 2004, 78, 1081-1085.   | 0.5 | 81        |
| 70 | Unique transcriptional and protein-expression signature in human lung tissue-resident NK cells. <i>Nature Communications</i> , 2019, 10, 3841.   | 5.8 | 79        |
| 71 | Expansion of SARS-CoV-2-Specific Antibody-Secreting Cells and Generation of Neutralizing Antibodies in Hospitalized COVID-19 Patients. <i>Journal of Immunology</i> , 2020, 205, 2437-2446.  | 0.4 | 79        |
| 72 | Chronic hepatitis C virus infection irreversibly impacts human natural killer cell repertoire diversity. <i>Nature Communications</i> , 2018, 9, 2275.   | 5.8 | 75        |

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|----|--|-----|-----------|
| 73 | NK cell-mediated targeting of human cancer and possibilities for new means of immunotherapy. <i>Cancer Immunology, Immunotherapy</i> , 2008, 57, 1541-1552.  | 2.0 | 74        |
| 74 | NK cell triggering by the human costimulatory molecules CD80 and CD86. <i>Journal of Immunology</i> , 1999, 163, 4207-12.  | 0.4 | 69        |
| 75 | The RMA-S lymphoma mutant; consequences of a peptide loading defect on immunological recognition and graft rejection. <i>International Journal of Cancer</i> , 1991, 47, 38-44.  | 2.3 | 68        |
| 76 | Elevated Numbers of FcγRIIIA+ (CD16+) Effector CD8 T Cells with NK Cell-Like Function in Chronic Hepatitis C Virus Infection. <i>Journal of Immunology</i> , 2008, 181, 4219-4228.   | 0.4 | 68        |
| 77 | The Qa-1b molecule binds to a large subpopulation of murine NK cells. <i>European Journal of Immunology</i> , 1998, 28, 4356-4361.   | 1.6 | 67        |
| 78 | Expansion of natural killer (NK) and natural killer-like T (NKT)-cell populations derived from patients with B-chronic lymphocytic leukemia (B-CLL): a potential source for cellular immunotherapy. <i>Leukemia</i> , 2003, 17, 1973-1980. | 3.3 | 67        |
| 79 | Different types of allospecific CTL clones identified by their ability to recognize peptide loading-defective target cells. <i>European Journal of Immunology</i> , 1991, 21, 2767-2774.   | 1.6 | 65        |
| 80 | Perturbed CD8+ T cell TIGIT/CD226/PVR axis despite early initiation of antiretroviral treatment in HIV infected individuals. <i>Scientific Reports</i> , 2017, 7, 40354.   | 1.6 | 65        |
| 81 | Restoration of a tumorigenic phenotype by beta 2-microglobulin transfection to EL-4 mutant cells.. <i>Journal of Experimental Medicine</i> , 1992, 175, 843-846.   | 4.2 | 64        |
| 82 | Chemically induced sarcomas from nude mice are more immunogenic than similar sarcomas from congenic normal mice. <i>European Journal of Immunology</i> , 1996, 26, 1844-1850.  | 1.6 | 62        |
| 83 | Chronic hepatitis delta virus infection leads to functional impairment and severe loss of MAIT cells. <i>Journal of Hepatology</i> , 2019, 71, 301-312.  | 1.8 | 62        |
| 84 | Composition and functionality of the intrahepatic innate lymphoid cell compartment in human nonfibrotic and fibrotic livers. <i>European Journal of Immunology</i> , 2017, 47, 1280-1294.  | 1.6 | 61        |
| 85 | Alteration of the natural killer repertoire in H-2 transgenic mice: specificity of rapid lymphoma cell clearance determined by the H-2 phenotype of the target.. <i>Journal of Experimental Medicine</i> , 1991, 174, 327-334.             | 4.2 | 60        |
| 86 | Escape from immune- and nonimmune-mediated tumor surveillance. <i>Seminars in Cancer Biology</i> , 2006, 16, 16-31.  | 4.3 | 58        |
| 87 | Triggering of murine NK cells by CD40 and CD86 (B7-2). <i>Journal of Immunology</i> , 1999, 162, 5910-6.   | 0.4 | 57        |
| 88 | Diversification and Functional Specialization of Human NK Cell Subsets. <i>Current Topics in Microbiology and Immunology</i> , 2015, 395, 63-93.   | 0.7 | 56        |
| 89 | Innate lymphoid cell composition associates with COVID-19 disease severity. <i>Clinical and Translational Immunology</i> , 2020, 9, e1224.   | 1.7 | 56        |
| 90 | Hantavirus-infection Confers Resistance to Cytotoxic Lymphocyte-Mediated Apoptosis. <i>PLoS Pathogens</i> , 2013, 9, e1003272.   | 2.1 | 54        |

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|-----|---|-----|-----------|
| 91  | High-dimensional profiling reveals phenotypic heterogeneity and disease-specific alterations of granulocytes in COVID-19. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, . | 3.3 | 52        |
| 92  | Fine tuning of natural killer cell specificity and maintenance of self tolerance in MHC class I-deficient mice. <i>European Journal of Immunology</i> , 1998, 28, 1315-1321.  | 1.6 | 51        |
| 93  | Direct NK Cell-Mediated Lysis of Syngenic Dorsal Root Ganglia Neurons In Vitro. <i>Journal of Immunology</i> , 2000, 165, 4895-4900.  | 0.4 | 51        |
| 94  | Effects of HDV infection and pegylated interferon $\alpha$ treatment on the natural killer cell compartment in chronically infected individuals. <i>Gut</i> , 2015, 64, 469-482.  | 6.1 | 51        |
| 95  | Influenza A Virus Infection Induces Hyperresponsiveness in Human Lung Tissue-Resident and Peripheral Blood NK Cells. <i>Frontiers in Immunology</i> , 2019, 10, 1116.   | 2.2 | 51        |
| 96  | Natural killer cell-mediated lysis of dorsal root ganglia neurons via RAE1/NKG2D interactions. <i>European Journal of Immunology</i> , 2003, 33, 92-100.  | 1.6 | 50        |
| 97  | Transfection of beta 2-microglobulin restores IFN-mediated protection from natural killer cell lysis in YAC-1 lymphoma variants. <i>Journal of Immunology</i> , 1990, 145, 380-6.   | 0.4 | 50        |
| 98  | Differential requirements for CD28 and CD40 ligand in the induction of experimental autoimmune myasthenia gravis. <i>European Journal of Immunology</i> , 1998, 28, 3587-3593.  | 1.6 | 48        |
| 99  | Processing of bacterial antigens for peptide presentation on MHC class I molecules. <i>Immunological Reviews</i> , 1999, 172, 153-162.  | 2.8 | 47        |
| 100 | TAP2-defective RMA-S cells present Sendai virus antigen to cytotoxic T lymphocytes. <i>European Journal of Immunology</i> , 1993, 23, 1796-1801.  | 1.6 | 46        |
| 101 | Insights into NK cell biology from human genetics and disease associations. <i>Cellular and Molecular Life Sciences</i> , 2011, 68, 3479-3493.  | 2.4 | 46        |
| 102 | Specificity and Dynamics of Effector and Memory CD8 T Cell Responses in Human Tick-Borne Encephalitis Virus Infection. <i>PLoS Pathogens</i> , 2015, 11, e1004622.  | 2.1 | 46        |
| 103 | NK cells are activated and primed for skin-homing during acute dengue virus infection in humans. <i>Nature Communications</i> , 2019, 10, 3897.   | 5.8 | 46        |
| 104 | Antigen processing mutant T2 cells present viral antigen restricted through H-2K. <i>European Journal of Immunology</i> , 1993, 23, 1802-1808.  | 1.6 | 44        |
| 105 | NK Cell Responses to Human Tick-Borne Encephalitis Virus Infection. <i>Journal of Immunology</i> , 2016, 197, 2762-2771.  | 0.4 | 44        |
| 106 | NK Cell Activation in Human Hantavirus Infection Explained by Virus-Induced IL-15/IL15R $\alpha$ Expression. <i>PLoS Pathogens</i> , 2014, 10, e1004521.  | 2.1 | 43        |
| 107 | Expansions of adaptive-like NK cells with a tissue-resident phenotype in human lung and blood. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .                            | 3.3 | 43        |
| 108 | Spotlight on $\text{NKG}2\text{C}$ and the human NK cell response to CMV infection. <i>European Journal of Immunology</i> , 2012, 42, 3141-3145.  | 1.6 | 42        |

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|-----|---|-----|-----------|
| 109 | TAP1-deficient mice select a CD8+ T cell repertoire that displays both diversity and peptide specificity. <i>European Journal of Immunology</i> , 1996, 26, 288-293.  | 1.6 | 41        |
| 110 | Cancer Immunosurveillance: NKG2D Breaks Cover. <i>Immunity</i> , 2008, 28, 492-494.   | 6.6 | 41        |
| 111 | Proteome analysis of human CD56 <sup>neg</sup> NK cells reveals a homogeneous phenotype surprisingly similar to CD56 <sup>dim</sup> NK cells. <i>European Journal of Immunology</i> , 2018, 48, 1456-1469.  | 1.6 | 41        |
| 112 | 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        |
| 113 | Selenite Induces Posttranscriptional Blockade of HLA-E Expression and Sensitizes Tumor Cells to CD94/NKG2A-Positive NK Cells. <i>Journal of Immunology</i> , 2011, 187, 3546-3554.  | 0.4 | 40        |
| 114 | Contribution of inhibitory receptor TIGIT to NK cell education. <i>Journal of Autoimmunity</i> , 2017, 81, 1-12.  | 3.0 | 40        |
| 115 | Selective acceptance of MHC class I-deficient tumor grafts in the brain.. <i>Journal of Experimental Medicine</i> , 1988, 167, 730-735.   | 4.2 | 39        |
| 116 | PO protein peptide 180-199 together with pertussis toxin induces experimental autoimmune neuritis in resistant C57BL/6 mice. <i>Journal of Neuroscience Research</i> , 2000, 62, 717-721.   | 1.3 | 38        |
| 117 | Tumor cell recognition by the NK cell activating receptor NKG2D. <i>European Journal of Immunology</i> , 2008, 38, 2957-2961.   | 1.6 | 37        |
| 118 | SARS-CoV-2-specific humoral and cellular immunity persists through 9 months irrespective of COVID-19 severity at hospitalisation. <i>Clinical and Translational Immunology</i> , 2021, 10, e1306.   | 1.7 | 36        |
| 119 | Natural killer cell-mediated lysis of freshly isolated human tumor cells. <i>International Journal of Cancer</i> , 2009, 124, 757-762.  | 2.3 | 35        |
| 120 | Naive Donor NK Cell Repertoires Associated with Less Leukemia Relapse after Allogeneic Hematopoietic Stem Cell Transplantation. <i>Journal of Immunology</i> , 2016, 196, 1400-1411.  | 0.4 | 35        |
| 121 | Innate and adaptive immune responses against human Puumala virus infection: immunopathogenesis and suggestions for novel treatment strategies for severe hantavirus-associated syndromes. <i>Journal of Internal Medicine</i> , 2019, 285, 510-523. | 2.7 | 35        |
| 122 | Serum Markers Associated with Severity and Outcome of Hantavirus Pulmonary Syndrome. <i>Journal of Infectious Diseases</i> , 2019, 219, 1832-1840.  | 1.9 | 34        |
| 123 | Immunomodulatory activity of commonly used drugs on Fc-receptor-mediated human natural killer cell activation. <i>Cancer Immunology, Immunotherapy</i> , 2014, 63, 627-641.   | 2.0 | 33        |
| 124 | Afferent and efferent cellular interactions in natural resistance directed against MHC class I deficient tumor grafts. <i>Journal of Immunology</i> , 1988, 140, 671-8.   | 0.4 | 33        |
| 125 | Inhibition of natural killer cell-mediated bone marrow graft rejection by allogeneic major histocompatibility complex class I, but not class II molecules. <i>European Journal of Immunology</i> , 1995, 25, 1286-1291.                             | 1.6 | 32        |
| 126 | Persistence of the influenza A/WSN/33 virus RNA at midbrain levels of immunodeficient mice. <i>Journal of NeuroVirology</i> , 2001, 7, 117-124.   | 1.0 | 32        |

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|-----|---|-----|-----------|
| 127 | Tracing dynamic expansion of human <sc>NK</sc> cell subsets by high-resolution analysis of <sc>KIR</sc> repertoires and cellular differentiation. <i>European Journal of Immunology</i> , 2014, 44, 2192-2196.                | 1.6 | 32        |
| 128 | SARS-CoV-2 Nsp13 encodes for an HLA-E-stabilizing peptide that abrogates inhibition of NKG2A-expressing NK cells. <i>Cell Reports</i> , 2022, 38, 110503.   | 2.9 | 31        |
| 129 | Immune selection during tumor checkpoint inhibition therapy paves way for NK-cell "missing self" recognition. <i>Immunogenetics</i> , 2017, 69, 547-556.  | 1.2 | 30        |
| 130 | 2B4 co-stimulation: NK cells and their control of adaptive immune responses. <i>Molecular Immunology</i> , 2005, 42, 419-423.   | 1.0 | 29        |
| 131 | Resistance to natural killer cell lysis conferred by TAP1/2 genes in human antigen-processing mutant cells. <i>Journal of Immunology</i> , 1994, 152, 1702-8.   | 0.4 | 29        |
| 132 | Reactivity and Specificity of CD8+ T Cells in Mice with Defects in the MHC Class I Antigen-Presenting Pathway. <i>Immunological Reviews</i> , 1996, 151, 123-148.   | 2.8 | 28        |
| 133 | Role of Qa-1b-binding receptors in the specificity of developing NK cells. <i>European Journal of Immunology</i> , 2000, 30, 1094-1101.   | 1.6 | 28        |
| 134 | Orthohantaviruses belonging to three phylogroups all inhibit apoptosis in infected target cells. <i>Scientific Reports</i> , 2019, 9, 834.  | 1.6 | 28        |
| 135 | Expression of the DX5 antigen on CD8+ T cells is associated with activation and subsequent cell death or memory during influenza virus infection. <i>European Journal of Immunology</i> , 2001, 31, 1523-1530.                | 1.6 | 27        |
| 136 | Application of nine-color flow cytometry for detailed studies of the phenotypic complexity and functional heterogeneity of human lymphocyte subsets. <i>Journal of Immunological Methods</i> , 2008, 330, 64-74.              | 0.6 | 27        |
| 137 | Cell-Mediated Immune Responses and Immunopathogenesis of Human Tick-Borne Encephalitis Virus-Infection. <i>Frontiers in Immunology</i> , 2018, 9, 2174.   | 2.2 | 27        |
| 138 | Human hantavirus infection elicits pronounced redistribution of mononuclear phagocytes in peripheral blood and airways. <i>PLoS Pathogens</i> , 2017, 13, e1006462.   | 2.1 | 27        |
| 139 | Restoration of H-2b expression and processing of endogenous antigens in the MHC class I pathway by fusion of a lymphoma mutant to L cells of the H-2k haplotype. <i>European Journal of Immunology</i> , 1990, 20, 1873-1876. | 1.6 | 26        |
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