

Vivien BÃ©ziat

List of Publications by Year in descending order

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Version: 2024-02-01

83
papers

10,710
citations

66343

42
h-index

58581

82
g-index

85
all docs

85
docs citations

85
times ranked

15022
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Autoantibodies against type I IFNs in patients with life-threatening COVID-19. <i>Science</i> , 2020, 370, . | 12.6 | 1,983 |
| 2 | Inborn errors of type I IFN immunity in patients with life-threatening COVID-19. <i>Science</i> , 2020, 370, . | 12.6 | 1,749 |
| 3 | Cytomegalovirus Infection Drives Adaptive Epigenetic Diversification of NK Cells with Altered Signaling and Effector Function. <i>Immunity</i> , 2015, 42, 443-456. | 14.3 | 650 |
| 4 | NK cell responses to cytomegalovirus infection lead to stable imprints in the human KIR repertoire and involve activating KIRs. <i>Blood</i> , 2013, 121, 2678-2688. | 1.4 | 455 |
| 5 | Autoantibodies neutralizing type I IFNs are present in ~4% of uninfected individuals over 70 years old and account for ~20% of COVID-19 deaths. <i>Science Immunology</i> , 2021, 6, . | 11.9 | 357 |
| 6 | Human NK cells display major phenotypic and functional changes over the life span. <i>Aging Cell</i> , 2010, 9, 527-535. | 6.7 | 277 |
| 7 | X-linked recessive TLR7 deficiency in ~1% of men under 60 years old with life-threatening COVID-19. <i>Science Immunology</i> , 2021, 6, . | 11.9 | 267 |
| 8 | CMV drives clonal expansion of NKG2C ⁺ NK cells expressing self-antigen-specific KIRs in chronic hepatitis patients. <i>European Journal of Immunology</i> , 2012, 42, 447-457. | 2.9 | 261 |
| 9 | Unconventional Repertoire Profile Is Imprinted during Acute Chikungunya Infection for Natural Killer Cells Polarization toward Cytotoxicity. <i>PLoS Pathogens</i> , 2011, 7, e1002268. | 4.7 | 239 |
| 10 | Cutting Edge: Identification and Characterization of Human Intrahepatic CD49a ⁺ NK Cells. <i>Journal of Immunology</i> , 2015, 194, 2467-2471. | 0.8 | 238 |
| 11 | Human genetic and immunological determinants of critical COVID-19 pneumonia. <i>Nature</i> , 2022, 603, 587-598. | 27.8 | 216 |
| 12 | 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. | 6.4 | 202 |
| 13 | Class I HLA haplotypes form two schools that educate NK cells in different ways. <i>Science Immunology</i> , 2016, 1, . | 11.9 | 189 |
| 14 | NK Cell Terminal Differentiation: Correlated Stepwise Decrease of NKG2A and Acquisition of KIRs. <i>PLoS ONE</i> , 2010, 5, e11966. | 2.5 | 179 |
| 15 | Role for early-differentiated natural killer cells in infectious mononucleosis. <i>Blood</i> , 2014, 124, 2533-2543. | 1.4 | 169 |
| 16 | Genetic, immunological, and clinical features of patients with bacterial and fungal infections due to inherited IL-17RA deficiency. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E8277-E8285. | 7.1 | 137 |
| 17 | A recessive form of hyper-IgE syndrome by disruption of ZNF341-dependent STAT3 transcription and activity. <i>Science Immunology</i> , 2018, 3, . | 11.9 | 132 |
| 18 | Auto-antibodies to type I IFNs can underlie adverse reactions to yellow fever live attenuated vaccine. <i>Journal of Experimental Medicine</i> , 2021, 218, . | 8.5 | 130 |

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|----|---|------|-----------|
| 19 | CD56brightCD16+ NK Cells: A Functional Intermediate Stage of NK Cell Differentiation. <i>Journal of Immunology</i> , 2011, 186, 6753-6761. | 0.8 | 125 |
| 20 | Dual T cell and B cell intrinsic deficiency in humans with biallelic <i>RLTPR</i> mutations. <i>Journal of Experimental Medicine</i> , 2016, 213, 2413-2435. | 8.5 | 117 |
| 21 | Phenotype and function of natural killer cells in systemic lupus erythematosus: Excess interferon- γ production in patients with active disease. <i>Arthritis and Rheumatism</i> , 2011, 63, 1698-1706. | 6.7 | 116 |
| 22 | ZNF341 controls STAT3 expression and thereby immunocompetence. <i>Science Immunology</i> , 2018, 3, . | 11.9 | 113 |
| 23 | The risk of COVID-19 death is much greater and age dependent with type I IFN autoantibodies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2200413119. | 7.1 | 110 |
| 24 | CD8 T cells express randomly selected KIRs with distinct specificities compared with NK cells. <i>Blood</i> , 2012, 120, 3455-3465. | 1.4 | 95 |
| 25 | Homozygous <i>NLRP1</i> gain-of-function mutation in siblings with a syndromic form of recurrent respiratory papillomatosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 19055-19063. | 7.1 | 92 |
| 26 | Inherited human IFN- γ deficiency underlies mycobacterial disease. <i>Journal of Clinical Investigation</i> , 2020, 130, 3158-3171. | 8.2 | 89 |
| 27 | Coordinated Expression of DNAM-1 and LFA-1 in Educated NK Cells. <i>Journal of Immunology</i> , 2015, 194, 4518-4527. | 0.8 | 81 |
| 28 | Influence of KIR gene copy number on natural killer cell education. <i>Blood</i> , 2013, 121, 4703-4707. | 1.4 | 78 |
| 29 | HLA-E upregulation on IFN- γ -activated AML blasts impairs CD94/NKG2A-dependent NK cytotoxicity after haplo-mismatched hematopoietic SCT. <i>Bone Marrow Transplantation</i> , 2009, 43, 693-699. | 2.4 | 76 |
| 30 | Deciphering the killer cell immunoglobulin-like receptor system at super-resolution for natural killer and T cell biology. <i>Immunology</i> , 2017, 150, 248-264. | 4.4 | 74 |
| 31 | <i>Ex Vivo</i> Expanded Adaptive NK Cells Effectively Kill Primary Acute Lymphoblastic Leukemia Cells. <i>Cancer Immunology Research</i> , 2017, 5, 654-665. | 3.4 | 71 |
| 32 | Inherited IL-18BP deficiency in human fulminant viral hepatitis. <i>Journal of Experimental Medicine</i> , 2019, 216, 1777-1790. | 8.5 | 70 |
| 33 | Inherited PD-1 deficiency underlies tuberculosis and autoimmunity in a child. <i>Nature Medicine</i> , 2021, 27, 1646-1654. | 30.7 | 65 |
| 34 | Dominant-negative mutations in human <i>IL6ST</i> underlie hyper-IgE syndrome. <i>Journal of Experimental Medicine</i> , 2020, 217, . | 8.5 | 64 |
| 35 | Herpes simplex encephalitis in a patient with a distinctive form of inherited IFNAR1 deficiency. <i>Journal of Clinical Investigation</i> , 2021, 131, . | 8.2 | 64 |
| 36 | Human inborn errors of immunity to herpes viruses. <i>Current Opinion in Immunology</i> , 2020, 62, 106-122. | 5.5 | 60 |

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|----|---|------|-----------|
| 37 | Human hyper-IgE syndrome: singular or plural?. <i>Mammalian Genome</i> , 2018, 29, 603-617. | 2.2 | 55 |
| 38 | Humans with inherited TÂcell CD28 deficiency are susceptible to skin papillomaviruses but are otherwise healthy. <i>Cell</i> , 2021, 184, 3812-3828.e30. | 28.9 | 53 |
| 39 | Fully functional NK cells after unrelated cord blood transplantation. <i>Leukemia</i> , 2009, 23, 721-728. | 7.2 | 52 |
| 40 | Effects of HDV infection and pegylated interferon Î± treatment on the natural killer cell compartment in chronically infected individuals. <i>Gut</i> , 2015, 64, 469-482. | 12.1 | 51 |
| 41 | Inherited deficiency of stress granule ZNFX1 in patients with monocytosis and mycobacterial disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, . | 7.1 | 47 |
| 42 | 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. | 4.7 | 46 |
| 43 | Chronic mucocutaneous candidiasis and connective tissue disorder in humans with impaired JNK1-dependent responses to IL-17A/F and TGF-Î². <i>Science Immunology</i> , 2019, 4, . | 11.9 | 45 |
| 44 | Inherited IFNAR1 Deficiency in a Child with Both Critical COVID-19 Pneumonia and Multisystem Inflammatory Syndrome. <i>Journal of Clinical Immunology</i> , 2022, 42, 471-483. | 3.8 | 44 |
| 45 | IRF4 haploinsufficiency in a family with Whippleâ€™s disease. <i>ELife</i> , 2018, 7, . | 6.0 | 43 |
| 46 | Spotlight on <scp>NKG</scp>2<scp>C</scp> and the human <scp>NK</scp>â€™cell response to <scp>CMV</scp> infection. <i>European Journal of Immunology</i> , 2012, 42, 3141-3145. | 2.9 | 42 |
| 47 | Distinct antibody repertoires against endemic human coronaviruses in children and adults. <i>JCI Insight</i> , 2021, 6, . | 5.0 | 40 |
| 48 | Human genetic dissection of papillomavirus-driven diseases: new insight into their pathogenesis. <i>Human Genetics</i> , 2020, 139, 919-939. | 3.8 | 38 |
| 49 | Fatal Cytomegalovirus Infection in an Adult with Inherited NOS2 Deficiency. <i>New England Journal of Medicine</i> , 2020, 382, 437-445. | 27.0 | 38 |
| 50 | A homozygous mutation of RTEL1 in a child presenting with an apparently isolated natural killer cell deficiency. <i>Journal of Allergy and Clinical Immunology</i> , 2015, 136, 1113-1114. | 2.9 | 37 |
| 51 | Infusion of allogeneic natural killer cells in a patient with acute myeloid leukemia in relapse after haploidentical hematopoietic stem cell transplantation. <i>Transfusion</i> , 2011, 51, 1769-1778. | 1.6 | 36 |
| 52 | Effectiveness and safety of ruxolitinib for the treatment of refractory systemic idiopathic juvenile arthritis like associated with interstitial lung disease : a case report. <i>Annals of the Rheumatic Diseases</i> , 2022, 81, e20-e20. | 0.9 | 36 |
| 53 | Harnessing adaptive natural killer cells in cancer immunotherapy. <i>Molecular Oncology</i> , 2015, 9, 1904-1917. | 4.6 | 35 |
| 54 | 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. | 0.8 | 35 |

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|----|---|-----|-----------|
| 55 | Negative selection on human genes underlying inborn errors depends on disease outcome and both the mode and mechanism of inheritance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, . | 7.1 | 33 |
| 56 | Cognate HLA absence in trans diminishes human NK cell education. <i>Journal of Clinical Investigation</i> , 2016, 126, 3772-3782. | 8.2 | 33 |
| 57 | 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. | 2.9 | 32 |
| 58 | Biochemically deleterious human <i>NFKB1</i> variants underlie an autosomal dominant form of common variable immunodeficiency. <i>Journal of Experimental Medicine</i> , 2021, 218, . | 8.5 | 32 |
| 59 | Human <i>STAT3</i> variants underlie autosomal dominant hyper-IgE syndrome by negative dominance. <i>Journal of Experimental Medicine</i> , 2021, 218, . | 8.5 | 30 |
| 60 | Shaping of iNKT cell repertoire after unrelated cord blood transplantation. <i>Clinical Immunology</i> , 2010, 135, 364-373. | 3.2 | 29 |
| 61 | Human NKG2A overrides NKG2C effector functions to prevent autoreactivity of NK cells. <i>Blood</i> , 2011, 117, 4394-4396. | 1.4 | 29 |
| 62 | Efficacy of Dupilumab for Controlling Severe Atopic Dermatitis in a Patient with Hyper-IgE Syndrome. <i>Journal of Clinical Immunology</i> , 2020, 40, 418-420. | 3.8 | 28 |
| 63 | A loss-of-function <i>IFNAR1</i> allele in Polynesia underlies severe viral diseases in homozygotes. <i>Journal of Experimental Medicine</i> , 2022, 219, . | 8.5 | 28 |
| 64 | Polyclonal Expansion of NKG2C+ NK Cells in TAP-Deficient Patients. <i>Frontiers in Immunology</i> , 2015, 6, 507. | 4.8 | 26 |
| 65 | Netherton syndrome subtypes share IL-17/IL-36 signature with distinct IFN- γ and allergic responses. <i>Journal of Allergy and Clinical Immunology</i> , 2022, 149, 1358-1372. | 2.9 | 26 |
| 66 | Inborn errors of the development of human natural killer cells. <i>Current Opinion in Allergy and Clinical Immunology</i> , 2013, 13, 589-595. | 2.3 | 24 |
| 67 | Inherited human c-Rel deficiency disrupts myeloid and lymphoid immunity to multiple infectious agents. <i>Journal of Clinical Investigation</i> , 2021, 131, . | 8.2 | 21 |
| 68 | Role of Natural Killer Cells in Hematopoietic Stem Cell Transplantation: Myth or Reality?. <i>Journal of Innate Immunity</i> , 2011, 3, 383-394. | 3.8 | 18 |
| 69 | A deep intronic splice mutation of <i>STAT3</i> underlies hyper IgE syndrome by negative dominance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 16463-16472. | 7.1 | 17 |
| 70 | Improving the diagnostic efficiency of primary immunodeficiencies with targeted next-generation sequencing. <i>Journal of Allergy and Clinical Immunology</i> , 2021, 147, 734-737. | 2.9 | 17 |
| 71 | Clinical impact of NK-cell reconstitution after reduced intensity conditioned unrelated cord blood transplantation in patients with acute myeloid leukemia: analysis of a prospective phase II multicenter trial on behalf of the Soci t  Fran saise de Greffe de Moelle Osseuse et Th rapie Cellulaire and Eurocord. <i>Bone Marrow Transplantation</i> , 2017, 52, 1428-1435. | 2.4 | 16 |
| 72 | Human genetic and immunological dissection of papillomavirus-driven diseases: new insights into their pathogenesis. <i>Current Opinion in Virology</i> , 2021, 51, 9-15. | 5.4 | 16 |

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|----|---|-----|-----------|
| 73 | Accumulation of Intrahepatic TNF-Î±-Producing NKp44+ NK Cells Correlates With Liver Fibrosis and Viral Load in Chronic HCV Infection. <i>Medicine (United States)</i> , 2016, 95, e3678. | 1.0 | 13 |
| 74 | Independent skewing of the T cell and NK cell compartments associated with cytomegalovirus infection suggests division of labor between innate and adaptive immunity. <i>Age</i> , 2014, 36, 571-582. | 3.0 | 12 |
| 75 | Human inborn errors of immunity to oncogenic viruses. <i>Current Opinion in Immunology</i> , 2021, 72, 277-285. | 5.5 | 10 |
| 76 | Recalcitrant Warts, Epidermodysplasia Verruciformis, and the Tree-Man Syndrome: Phenotypic Spectrum of Cutaneous Human Papillomavirus Infections at the Intersection of Genetic Variability of Viral and Human Genomes. <i>Journal of Investigative Dermatology</i> , 2022, 142, 1265-1269. | 0.7 | 10 |
| 77 | The Pathogenesis of Giant Condyloma Acuminatum (Buschke-Lowenstein Tumor): An Overview. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4547. | 4.1 | 10 |
| 78 | Diagnostics of rare disorders: whole-exome sequencing deciphering locus heterogeneity in telomere biology disorders. <i>Orphanet Journal of Rare Diseases</i> , 2018, 13, 139. | 2.7 | 8 |
| 79 | Dominant negative CARD11 mutations: Beyond atopy. <i>Journal of Allergy and Clinical Immunology</i> , 2019, 143, 1345-1347. | 2.9 | 8 |
| 80 | Whole-transcriptome sequencing-based concomitant detection of viral and human genetic determinants of cutaneous lesions. <i>JCI Insight</i> , 2022, 7, . | 5.0 | 6 |
| 81 | Candidate Predisposition Variants in Kaposi Sarcoma as Detected by Whole-Genome Sequencing. <i>Open Forum Infectious Diseases</i> , 2019, 6, ofz337. | 0.9 | 5 |
| 82 | Recalcitrant Cutaneous Warts in a Family with Inherited ICOS Deficiency. <i>Journal of Investigative Dermatology</i> , 2022, 142, 2435-2445. | 0.7 | 4 |
| 83 | The "Editors" Take to RAG: Promise of CRISPR/Cas9/rAAV6-Based Gene Therapy for RAG2 Deficiency. <i>Journal of Clinical Immunology</i> , 2021, 41, 849-851. | 3.8 | 0 |