

Mariapia A Degli-Esposti

List of Publications by Year in descending order

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112
papers

11,539
citations

38660

50
h-index

29081

104
g-index

113
all docs

113
docs citations

113
times ranked

12748
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 1 | TRAIL-R2: a novel apoptosis-mediating receptor for TRAIL. <i>EMBO Journal</i> , 1997, 16, 5386-5397. | 3.5 | 1,012 |
| 2 | The Novel Receptor TRAIL-R4 Induces NF- κ B and Protects against TRAIL-Mediated Apoptosis, yet Retains an Incomplete Death Domain. <i>Immunity</i> , 1997, 7, 813-820. | 6.6 | 788 |
| 3 | Cloning and Characterization of TRAIL-R3, a Novel Member of the Emerging TRAIL Receptor Family. <i>Journal of Experimental Medicine</i> , 1997, 186, 1165-1170. | 4.2 | 594 |
| 4 | Activation of NK cell cytotoxicity. <i>Molecular Immunology</i> , 2005, 42, 501-510. | 1.0 | 560 |
| 5 | Close encounters of different kinds: Dendritic cells and NK cells take centre stage. <i>Nature Reviews Immunology</i> , 2005, 5, 112-124. | 10.6 | 493 |
| 6 | ILC1 Confer Early Host Protection at Initial Sites of Viral Infection. <i>Cell</i> , 2017, 171, 795-808.e12. | 13.5 | 352 |
| 7 | Functional interactions between dendritic cells and NK cells during viral infection. <i>Nature Immunology</i> , 2003, 4, 175-181. | 7.0 | 327 |
| 8 | CIS is a potent checkpoint in NK cell-mediated tumor immunity. <i>Nature Immunology</i> , 2016, 17, 816-824. | 7.0 | 289 |
| 9 | NK Cell Maturation and Peripheral Homeostasis Is Associated with KLRG1 Up-Regulation. <i>Journal of Immunology</i> , 2007, 178, 4764-4770. | 0.4 | 272 |
| 10 | A2AR Adenosine Signaling Suppresses Natural Killer Cell Maturation in the Tumor Microenvironment. <i>Cancer Research</i> , 2018, 78, 1003-1016. | 0.4 | 269 |
| 11 | Infection of dendritic cells by murine cytomegalovirus induces functional paralysis. <i>Nature Immunology</i> , 2001, 2, 1077-1084. | 7.0 | 244 |
| 12 | Interaction between conventional dendritic cells and natural killer cells is integral to the activation of effective antiviral immunity. <i>Nature Immunology</i> , 2005, 6, 1011-1019. | 7.0 | 241 |
| 13 | Interleukin 15-mediated survival of natural killer cells is determined by interactions among Bim, Noxa and Mcl-1. <i>Nature Immunology</i> , 2007, 8, 856-863. | 7.0 | 231 |
| 14 | Ancestral haplotypes: conserved population MHC haplotypes. <i>Human Immunology</i> , 1992, 34, 242-252. | 1.2 | 229 |
| 15 | β -glucan triggers spondylarthritis and Crohn's disease-like ileitis in SKG mice. <i>Arthritis and Rheumatism</i> , 2012, 64, 2211-2222. | 6.7 | 224 |
| 16 | A Contribution of Mouse Dendritic Cell-Derived IL-2 for NK Cell Activation. <i>Journal of Experimental Medicine</i> , 2004, 200, 287-295. | 4.2 | 200 |
| 17 | Innate immunity defines the capacity of antiviral T cells to limit persistent infection. <i>Journal of Experimental Medicine</i> , 2010, 207, 1333-1343. | 4.2 | 190 |
| 18 | CD83 increases MHC II and CD86 on dendritic cells by opposing IL-10-driven MARCH1-mediated ubiquitination and degradation. <i>Journal of Experimental Medicine</i> , 2011, 208, 149-165. | 4.2 | 183 |

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|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Murine cytomegalovirus m157 mutation and variation leads to immune evasion of natural killer cells. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 13483-13488. | 3.3 | 176 |
| 20 | MHC Class II Antigen Presentation by the Intestinal Epithelium Initiates Graft-versus-Host Disease and Is Influenced by the Microbiota. Immunity, 2019, 51, 885-898.e7. | 6.6 | 164 |
| 21 | TRAIL+ NK Cells Control CD4+ T Cell Responses during Chronic Viral Infection to Limit Autoimmunity. Immunity, 2014, 41, 646-656. | 6.6 | 158 |
| 22 | A new polymorphic and multicopy MHC gene family related to nonmammalian class I. Immunogenetics, 1994, 40, 339-351. | 1.2 | 155 |
| 23 | Gene therapy with recombinant adeno-associated vectors for neovascular age-related macular degeneration: 1 year follow-up of a phase 1 randomised clinical trial. Lancet, The, 2015, 386, 2395-2403. | 6.3 | 154 |
| 24 | Sensitization to immune checkpoint blockade through activation of a STAT1/NK axis in the tumor microenvironment. Science Translational Medicine, 2019, 11, . | 5.8 | 147 |
| 25 | Perforin and Granzymes Have Distinct Roles in Defensive Immunity and Immunopathology. Immunity, 2006, 25, 835-848. | 6.6 | 134 |
| 26 | To die or not to die—the quest of the TRAIL receptors. Journal of Leukocyte Biology, 1999, 65, 535-542. | 1.5 | 130 |
| 27 | An approach to the localization of the susceptibility genes for generalized myasthenia gravis by mapping recombinant ancestral haplotypes. Immunogenetics, 1992, 35, 355-64. | 1.2 | 126 |
| 28 | Phase 2a Randomized Clinical Trial: Safety and Post Hoc Analysis of Subretinal rAAV.sFLT-1 for Wet Age-related Macular Degeneration. EBioMedicine, 2016, 14, 168-175. | 2.7 | 124 |
| 29 | Activation of Natural Killer (NK) T Cells during Murine Cytomegalovirus Infection Enhances the Antiviral Response Mediated by NK Cells. Journal of Virology, 2003, 77, 1877-1884. | 1.5 | 123 |
| 30 | The Murine Cytomegalovirus Chemokine Homolog, m131/129, Is a Determinant of Viral Pathogenicity. Journal of Virology, 1999, 73, 6800-6809. | 1.5 | 123 |
| 31 | Eomesodermin promotes the development of type 1 regulatory T (T _R 1) cells. Science Immunology, 2017, 2, . | 5.6 | 118 |
| 32 | Genetic Dissection of Acute Anterior Uveitis Reveals Similarities and Differences in Associations Observed With Ankylosing Spondylitis. Arthritis and Rheumatology, 2015, 67, 140-151. | 2.9 | 114 |
| 33 | “Natural Regulators” NK Cells as Modulators of T Cell Immunity. Frontiers in Immunology, 2016, 7, 235. | 2.2 | 112 |
| 34 | The NK cell granule protein NKG7 regulates cytotoxic granule exocytosis and inflammation. Nature Immunology, 2020, 21, 1205-1218. | 7.0 | 110 |
| 35 | Ancestral haplotypes reveal the role of the central MHC in the immunogenetics of IDDM. Immunogenetics, 1992, 36, 345-56. | 1.2 | 102 |
| 36 | Cancer-Induced Immunosuppression: IL-18 Elicited Immunoablative NK Cells. Cancer Research, 2012, 72, 2757-2767. | 0.4 | 95 |

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|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 37 | Cross-talk between dendritic cells and natural killer cells in viral infection. <i>Molecular Immunology</i> , 2005, 42, 547-555. | 1.0 | 89 |
| 38 | The interplay between host and viral factors in shaping the outcome of cytomegalovirus infection. <i>Immunology and Cell Biology</i> , 2007, 85, 46-54. | 1.0 | 87 |
| 39 | NK cells require IL-28R for optimal in vivo activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E2376-84. | 3.3 | 82 |
| 40 | Cyclophosphamide Chemotherapy Sensitizes Tumor Cells to TRAIL-Dependent CD8 T Cell-Mediated Immune Attack Resulting in Suppression of Tumor Growth. <i>PLoS ONE</i> , 2009, 4, e6982. | 1.1 | 82 |
| 41 | Modulation of innate and adaptive immunity by cytomegaloviruses. <i>Nature Reviews Immunology</i> , 2020, 20, 113-127. | 10.6 | 80 |
| 42 | Killers and beyond: NK cell-mediated control of immune responses. <i>European Journal of Immunology</i> , 2008, 38, 2938-2942. | 1.6 | 78 |
| 43 | Natural killer cells in viral infection: more than just killers. <i>Immunological Reviews</i> , 2006, 214, 239-250. | 2.8 | 77 |
| 44 | M144, a Murine Cytomegalovirus (Mcmv)-Encoded Major Histocompatibility Complex Class I Homologue, Confers Tumor Resistance to Natural Killer Cell-Mediated Rejection. <i>Journal of Experimental Medicine</i> , 1999, 190, 435-444. | 4.2 | 74 |
| 45 | Differences in gene copy number carried by different MHC ancestral haplotypes. Quantitation after physical separation of haplotypes by pulsed field gel electrophoresis.. <i>Journal of Experimental Medicine</i> , 1990, 171, 2101-2114. | 4.2 | 69 |
| 46 | Peripheral natural killer cell maturation depends on the transcription factor Aiolos. <i>EMBO Journal</i> , 2014, 33, 2721-2734. | 3.5 | 67 |
| 47 | Functional Analysis of Granzyme M and Its Role in Immunity to Infection. <i>Journal of Immunology</i> , 2005, 175, 3235-3243. | 0.4 | 66 |
| 48 | Therapeutic blockade of activin-A improves NK cell function and antitumor immunity. <i>Science Signaling</i> , 2019, 12, . | 1.6 | 64 |
| 49 | Kupffer cell-monocyte communication is essential for initiating murine liver progenitor cell-mediated liver regeneration. <i>Hepatology</i> , 2015, 62, 1272-1284. | 3.6 | 63 |
| 50 | Gene Therapy in Neovascular Age-related Macular Degeneration: Three-Year Follow-up of a Phase 1 Randomized Dose Escalation Trial. <i>American Journal of Ophthalmology</i> , 2017, 177, 150-158. | 1.7 | 57 |
| 51 | The roles of interferon- γ and perforin in antiviral immunity in mice that differ in genetically determined NK cell-mediated antiviral activity. <i>Immunology and Cell Biology</i> , 2009, 87, 559-566. | 1.0 | 51 |
| 52 | NK1.1+Cells and Murine Cytomegalovirus Infection: What Happens In Situ?. <i>Journal of Immunology</i> , 2001, 166, 1796-1802. | 0.4 | 50 |
| 53 | Strain-specific antibody therapy prevents cytomegalovirus reactivation after transplantation. <i>Science</i> , 2019, 363, 288-293. | 6.0 | 49 |
| 54 | Three-Year Follow-Up of Phase 1 and 2a rAAV.sFLT-1 Subretinal Gene Therapy Trials for Exudative Age-Related Macular Degeneration. <i>American Journal of Ophthalmology</i> , 2019, 204, 113-123. | 1.7 | 48 |

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|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 55 | IL-2 mediates adjuvant effect of dendritic cells. Trends in Immunology, 2002, 23, 169-171. | 2.9 | 47 |
| 56 | Insights into the mechanisms of CMV-mediated interference with cellular apoptosis. Immunology and Cell Biology, 2006, 84, 99-106. | 1.0 | 47 |
| 57 | Graft-versus-Host Disease Prevents the Maturation of Plasmacytoid Dendritic Cells. Journal of Immunology, 2009, 182, 912-920. | 0.4 | 47 |
| 58 | Preclinical safety evaluation of subretinal AAV2.sFlt-1 in non-human primates. Gene Therapy, 2012, 19, 999-1009. | 2.3 | 46 |
| 59 | New major histocompatibility complex genes. Human Immunology, 1993, 38, 24-29. | 1.2 | 45 |
| 60 | The Murine Natural Cytotoxic Receptor Nkp46/NCR1 Controls TRAIL Protein Expression in NK Cells and ILC1s. Cell Reports, 2018, 22, 3385-3392. | 2.9 | 44 |
| 61 | Functional comparison of mouse CIRE/mouse DC-SIGN and human DC-SIGN. International Immunology, 2006, 18, 741-753. | 1.8 | 43 |
| 62 | rAAV.sFlt-1 Gene Therapy Achieves Lasting Reversal of Retinal Neovascularization in the Absence of a Strong Immune Response to the Viral Vector. , 2009, 50, 4279. | | 43 |
| 63 | TLR9 Ligand CpG-ODN Applied to the Injured Mouse Cornea Elicits Retinal Inflammation. American Journal of Pathology, 2012, 180, 209-220. | 1.9 | 43 |
| 64 | Cytomegalovirus evasion of natural killer cell responses. Immunological Reviews, 1999, 168, 187-197. | 2.8 | 41 |
| 65 | Targeting of a natural killer cell receptor family by a viral immunoevasin. Nature Immunology, 2013, 14, 699-705. | 7.0 | 41 |
| 66 | High Chlamydia Burden Promotes Tumor Necrosis Factor-Dependent Reactive Arthritis in SKG Mice. Arthritis and Rheumatology, 2015, 67, 1535-1547. | 2.9 | 38 |
| 67 | Updated characterization of the fourth ancestral haplotypes using Asia-Oceania Histocompatibility Workshop panel. Human Immunology, 1995, 44, 12-18. | 1.2 | 37 |
| 68 | Virally mediated inhibition of Bax in leukocytes promotes dissemination of murine cytomegalovirus. Cell Death and Differentiation, 2009, 16, 312-320. | 5.0 | 35 |
| 69 | Sequence differences between HLA-B and TNF distinguish different MHC ancestral haplotypes. Tissue Antigens, 1992, 39, 117-121. | 1.0 | 34 |
| 70 | Interferon-Dependent Migration of Microglial Cells in the Retina after Systemic Cytomegalovirus Infection. American Journal of Pathology, 2013, 182, 875-885. | 1.9 | 34 |
| 71 | Deficient NLRP3 and AIM2 Inflammasome Function in Autoimmune NZB Mice. Journal of Immunology, 2015, 195, 1233-1241. | 0.4 | 32 |
| 72 | GVHD prevents NK-cell-dependent leukemia and virus-specific innate immunity. Blood, 2017, 129, 630-642. | 0.6 | 32 |

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|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 73 | Cytomegalovirus establishes a latent reservoir and triggers long-lasting inflammation in the eye. PLoS Pathogens, 2018, 14, e1007040. | 2.1 | 30 |
| 74 | Characterization of 4AOHW cell line panel including new data for the 10IHW panel. Human Immunology, 1993, 38, 3-16. | 1.2 | 29 |
| 75 | A novel checkpoint in the Bcl-2-regulated apoptotic pathway revealed by murine cytomegalovirus infection of dendritic cells. Journal of Cell Biology, 2004, 166, 827-837. | 2.3 | 26 |
| 76 | NKT cells and viral immunity. Immunology and Cell Biology, 2004, 82, 332-341. | 1.0 | 26 |
| 77 | Ly49C-Dependent Control of MCMV Infection by NK Cells Is Cis-Regulated by MHC Class I Molecules. PLoS Pathogens, 2014, 10, e1004161. | 2.1 | 26 |
| 78 | MCMV-mediated Inhibition of the Pro-apoptotic Bak Protein Is Required for Optimal In Vivo Replication. PLoS Pathogens, 2013, 9, e1003192. | 2.1 | 21 |
| 79 | IFN- γ therapy prevents severe gastrointestinal graft-versus-host disease. Blood, 2021, 138, 722-737. | 0.6 | 21 |
| 80 | Cytomegalovirus MHC class I homologues and natural killer cells: an overview. Microbes and Infection, 2000, 2, 521-532. | 1.0 | 20 |
| 81 | Acute GVHD results in a severe DC defect that prevents T-cell priming and leads to fulminant cytomegalovirus disease in mice. Blood, 2015, 126, 1503-1514. | 0.6 | 20 |
| 82 | Ocular antigen does not cause disease unless presented in the context of inflammation. Scientific Reports, 2017, 7, 14226. | 1.6 | 20 |
| 83 | Flt-3L Expansion of Recipient CD8 $^+$ Dendritic Cells Deletes Alloreactive Donor T Cells and Represents an Alternative to Posttransplant Cyclophosphamide for the Prevention of GVHD. Clinical Cancer Research, 2018, 24, 1604-1616. | 3.2 | 20 |
| 84 | The Early Kinetics of Cytomegalovirus-Specific CD8 $^+$ T-Cell Responses Are Not Affected by Antigen Load or the Absence of Perforin or Gamma Interferon. Journal of Virology, 2008, 82, 4931-4937. | 1.5 | 19 |
| 85 | CpG pretreatment enhances antiviral T-cell immunity against cytomegalovirus. Blood, 2013, 122, 55-60. | 0.6 | 18 |
| 86 | A Natural Genetic Variant of Granzyme B Confers Lethality to a Common Viral Infection. PLoS Pathogens, 2014, 10, e1004526. | 2.1 | 16 |
| 87 | CMV exposure drives long-term CD57 $^+$ CD4 memory T-cell inflation following allogeneic stem cell transplant. Blood, 2021, 138, 2874-2885. | 0.6 | 16 |
| 88 | HLA and Singaporean Chinese Myasthenia gravis. International Archives of Allergy and Immunology, 1993, 101, 119-125. | 0.9 | 15 |
| 89 | Immune control of cytomegalovirus reactivation in stem cell transplantation. Blood, 2022, 139, 1277-1288. | 0.6 | 15 |
| 90 | Cell-based therapies for ocular inflammation. Progress in Retinal and Eye Research, 2013, 35, 82-101. | 7.3 | 14 |

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|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 91 | Antibody reactivity profiles following immunization with diverse peptides of the PERB11 (MIC) family. <i>Clinical and Experimental Immunology</i> , 1996, 106, 568-576. | 1.1 | 13 |
| 92 | 5 Studies of MHC haplotypes by pulsed field gel electrophoresis. <i>Bailliere's Clinical Endocrinology and Metabolism</i> , 1991, 5, 285-297. | 1.0 | 11 |
| 93 | Murine Cytomegalovirus Homologues of Cellular Immunomodulatory Genes. <i>Intervirology</i> , 1999, 42, 331-341. | 1.2 | 11 |
| 94 | Cathepsin C limits acute viral infection independently of NK cell and CD8 + T cell cytolytic function. <i>Immunology and Cell Biology</i> , 2011, 89, 540-548. | 1.0 | 11 |
| 95 | Ly49C Impairs NK Cell Memory in Mouse Cytomegalovirus Infection. <i>Journal of Immunology</i> , 2016, 197, 128-140. | 0.4 | 10 |
| 96 | T cell responses in experimental viral retinitis: Mechanisms, peculiarities and implications for gene therapy with viral vectors. <i>Progress in Retinal and Eye Research</i> , 2011, 30, 275-284. | 7.3 | 9 |
| 97 | Administration of β -galactosylceramide impairs the survival of dendritic cell subpopulations in vivo. <i>Journal of Leukocyte Biology</i> , 2011, 89, 753-762. | 1.5 | 8 |
| 98 | Kinetics of ocular and systemic antigen-specific T cell responses elicited during murine cytomegalovirus retinitis. <i>Immunology and Cell Biology</i> , 2012, 90, 330-336. | 1.0 | 8 |
| 99 | A Chemokine-Like Viral Protein Enhances Alpha Interferon Production by Plasmacytoid Dendritic Cells but Delays CD8+ T Cell Activation and Impairs Viral Clearance. <i>Journal of Virology</i> , 2013, 87, 7911-7920. | 1.5 | 8 |
| 100 | Keeping an "eye" on ocular GVHD. <i>Australasian journal of optometry</i> , The, 2022, 105, 135-142. | 0.6 | 8 |
| 101 | In Vivo Imaging of Ocular MCMV Infection. , 2010, 51, 369. | | 7 |
| 102 | The early monocytic response to cytomegalovirus infection is MyD88 dependent but occurs independently of common inflammatory cytokine signals. <i>European Journal of Immunology</i> , 2014, 44, 409-419. | 1.6 | 7 |
| 103 | Hhex Directly Represses BIM-Dependent Apoptosis to Promote NK Cell Development and Maintenance. <i>Cell Reports</i> , 2020, 33, 108285. | 2.9 | 7 |
| 104 | ASC Modulates CTL Cytotoxicity and Transplant Outcome Independent of the Inflammasome. <i>Cancer Immunology Research</i> , 2020, 8, 1085-1098. | 1.6 | 6 |
| 105 | Mouse Mx1 Inhibits Herpes Simplex Virus Type 1 Genomic Replication and Late Gene Expression <i>In Vitro</i> and Prevents Lesion Formation in the Mouse Zosteriform Model. <i>Journal of Virology</i> , 2022, 96, . | 1.5 | 6 |
| 106 | Neuromuscular function and polymorphism of the acetylcholine receptor gamma gene. <i>Muscle and Nerve</i> , 1992, 15, 543-549. | 1.0 | 5 |
| 107 | Typing of 4AOHW cells by allospecific natural killer cells. <i>Human Immunology</i> , 1993, 38, 52-56. | 1.2 | 3 |
| 108 | Differential cleavage of viral polypeptides by allotypic variants of granzyme B skews immunity to mouse cytomegalovirus. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2020, 1868, 140457. | 1.1 | 2 |

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|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 109 | Murine cytomegalovirus infection exacerbates complex IV deficiency in a model of mitochondrial disease. PLoS Genetics, 2020, 16, e1008604. | 1.5 | 1 |
| 110 | Cytomegalovirus infection and NK cells. , 2010, , 499-510. | | 0 |
| 111 | The Avidity Game: Selecting Natural-Born Killers. Immunity, 2019, 50, 1337-1339. | 6.6 | 0 |
| 112 | Early Cytomegalovirus Reactivation after Allogenic Bone Marrow Transplantation Is Associated with the Loss of Recipient-Derived Humoral Immunity and Is Reduced By IL-6 Inhibition. Blood, 2021, 138, 648-648. | 0.6 | 0 |