

# Joeri L Aerts

## List of Publications by Year in descending order

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Version: 2024-02-01

52  
papers

2,082  
citations

201674

27  
h-index

233421

45  
g-index

54  
all docs

54  
docs citations

54  
times ranked

3377  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | CD83 expression on dendritic cells and T cells: Correlation with effective immune responses. <i>European Journal of Immunology</i> , 2007, 37, 686-695.   | 2.9 | 173       |
| 2  | Current approaches in dendritic cell generation and future implications for cancer immunotherapy. <i>Cancer Immunology, Immunotherapy</i> , 2007, 56, 1513-1537.  | 4.2 | 149       |
| 3  | Selection of appropriate control genes to assess expression of tumor antigens using real-time RT-PCR. <i>BioTechniques</i> , 2004, 36, 84-91.   | 1.8 | 142       |
| 4  | Real-Time Quantitative Reverse Transcriptase-Polymerase Chain Reaction as a Method for Determining Lentiviral Vector Titers and Measuring Transgene Expression. <i>Human Gene Therapy</i> , 2003, 14, 497-507.                          | 2.7 | 122       |
| 5  | Lentiviral vectors for cancer immunotherapy: transforming infectious particles into therapeutics. <i>Gene Therapy</i> , 2007, 14, 847-862.  | 4.5 | 104       |
| 6  | Induction of effective therapeutic antitumor immunity by direct in vivo administration of lentiviral vectors. <i>Gene Therapy</i> , 2006, 13, 630-640.  | 4.5 | 98        |
| 7  | A phase I/IIa immunotherapy trial of HIV-1-infected patients with Tat, Rev and Nef expressing dendritic cells followed by treatment interruption. <i>Clinical Immunology</i> , 2012, 142, 252-268.                                      | 3.2 | 93        |
| 8  | Axitinib increases the infiltration of immune cells and reduces the suppressive capacity of monocytic MDSCs in an intracranial mouse melanoma model. <i>Oncolmmunology</i> , 2015, 4, e998107.  | 4.6 | 65        |
| 9  | Attenuated Expression of A20 Markedly Increases the Efficacy of Double-Stranded RNA-Activated Dendritic Cells As an Anti-Cancer Vaccine. <i>Journal of Immunology</i> , 2009, 182, 860-870.   | 0.8 | 64        |
| 10 | Enhanced suppressive capacity of tumor-infiltrating myeloid-derived suppressor cells compared with their peripheral counterparts. <i>International Journal of Cancer</i> , 2014, 134, 1077-1090.  | 5.1 | 62        |
| 11 | Location, location, location: functional and phenotypic heterogeneity between tumor-infiltrating and non-infiltrating myeloid-derived suppressor cells. <i>Oncolmmunology</i> , 2014, 3, e956579.                                       | 4.6 | 60        |
| 12 | Intralymphatic mRNA vaccine induces CD8 T-cell responses that inhibit the growth of mucosally located tumours. <i>Scientific Reports</i> , 2016, 6, 22509.  | 3.3 | 58        |
| 13 | Expression of human GITRL on myeloid dendritic cells enhances their immunostimulatory function but does not abrogate the suppressive effect of CD4+CD25+ regulatory T cells. <i>Journal of Leukocyte Biology</i> , 2007, 82, 93-105.    | 3.3 | 57        |
| 14 | The Interferon Inducer Ampligen [Poly(I)-Poly(C 12 U)] Markedly Protects Mice against Coxsackie B3 Virus-Induced Myocarditis. <i>Antimicrobial Agents and Chemotherapy</i> , 2004, 48, 267-274.   | 3.2 | 55        |
| 15 | Modulation of Regulatory T Cell Function by Monocyte-Derived Dendritic Cells Matured through Electroporation with mRNA Encoding CD40 Ligand, Constitutively Active TLR4, and CD70. <i>Journal of Immunology</i> , 2013, 191, 1976-1983. | 0.8 | 47        |
| 16 | The combination of 4-1BBL and CD40L strongly enhances the capacity of dendritic cells to stimulate HIV-specific T cell responses. <i>Journal of Leukocyte Biology</i> , 2011, 89, 989-999.  | 3.3 | 40        |
| 17 | Preclinical evaluation of an mRNA HIV vaccine combining rationally selected antigenic sequences and adjuvant signals (HTI-TriMix). <i>Aids</i> , 2017, 31, 321-332.   | 2.2 | 38        |
| 18 | β2-adrenergic agonists modulate TNF-α induced astrocytic inflammatory gene expression and brain inflammatory cell populations. <i>Journal of Neuroinflammation</i> , 2014, 11, 21.  | 7.2 | 36        |

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|----|---|-----|-----------|
| 19 | Immunomodulatory drugs improve the immune environment for dendritic cell-based immunotherapy in multiple myeloma patients after autologous stem cell transplantation. <i>Cancer Immunology, Immunotherapy</i> , 2014, 63, 1023-1036.                  | 4.2 | 35        |
| 20 | Oncolytic virus-induced cell death and immunity: a match made in heaven?. <i>Journal of Leukocyte Biology</i> , 2017, 102, 631-643.   | 3.3 | 35        |
| 21 | Combined VEGFR and CTLA-4 blockade increases the antigen-presenting function of intratumoral DCs and reduces the suppressive capacity of intratumoral MDSCs. <i>American Journal of Cancer Research</i> , 2016, 6, 2514-2531.                         | 1.4 | 35        |
| 22 | Comparative analysis of antibodies to xCT (Slc7a11): Forewarned is forearmed. <i>Journal of Comparative Neurology</i> , 2016, 524, 1015-1032.   | 1.6 | 34        |
| 23 | Disease progression in recurrent glioblastoma patients treated with the VEGFR inhibitor axitinib is associated with increased regulatory T cell numbers and T cell exhaustion. <i>Cancer Immunology, Immunotherapy</i> , 2016, 65, 727-740.           | 4.2 | 33        |
| 24 | Proinflammatory Characteristics of SMAC/DIABLO-Induced Cell Death in Antitumor Therapy. <i>Cancer Research</i> , 2012, 72, 1342-1352.   | 0.9 | 32        |
| 25 | Immune checkpoint blockade combined with $\text{IL-6}$ and $\text{TGF-}\beta^2$ inhibition improves the therapeutic outcome of mRNA-based immunotherapy. <i>International Journal of Cancer</i> , 2018, 143, 686-698.                                 | 5.1 | 31        |
| 26 | iHIVARNA phase IIa, a randomized, placebo-controlled, double-blinded trial to evaluate the safety and immunogenicity of iHIVARNA-01 in chronically HIV-infected patients under stable combined antiretroviral therapy. <i>Trials</i> , 2019, 20, 361. | 1.6 | 31        |
| 27 | Induction of antigen-specific CD8 <sup>+</sup> cytotoxic T cells by dendritic cells co-electroporated with a dsRNA analogue and tumor antigen mRNA. <i>Gene Therapy</i> , 2006, 13, 1027-1036.  | 4.5 | 30        |
| 28 | Neuroprotection by Insulin-like Growth Factor-1 in Rats with Ischemic Stroke is Associated with Microglial Changes and a Reduction in Neuroinflammation. <i>Neuroscience</i> , 2020, 426, 101-114.  | 2.3 | 28        |
| 29 | Mycophenolate mofetil inhibits the development of Coxsackie B3-virus-induced myocarditis in mice. <i>BMC Microbiology</i> , 2003, 3, 25.  | 3.3 | 27        |
| 30 | Functional T-cell responses generated by dendritic cells expressing the early HIV-1 proteins Tat, Rev and Nef. <i>Vaccine</i> , 2008, 26, 3735-3741.  | 3.8 | 27        |
| 31 | Aging-associated subpopulations of human CD8 <sup>+</sup> T-lymphocytes identified by their CD28 and CD57 phenotypes. <i>Archives of Gerontology and Geriatrics</i> , 2015, 61, 494-502.  | 3.0 | 27        |
| 32 | T <sub>H</sub> cell subsets in the skin and their role in inflammatory skin disorders. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2022, 77, 827-842.   | 5.7 | 27        |
| 33 | Quantifying the Activity of Adenoviral E1A CR2 Deletion Mutants Using Renilla Luciferase Bioluminescence and $^3\text{-Deoxy-}^3\text{-[18F]Fluorothymidine}$ Positron Emission Tomography Imaging. <i>Cancer Research</i> , 2006, 66, 9178-9185.     | 0.9 | 25        |
| 34 | Phosphorylated STAT5 regulates p53 expression via BRCA1/BARD1-NPM1 and MDM2. <i>Cell Death and Disease</i> , 2016, 7, e2560-e2560.  | 6.3 | 22        |
| 35 | Intranodal administration of mRNA encoding nucleoprotein provides cross-strain immunity against influenza in mice. <i>Journal of Translational Medicine</i> , 2019, 17, 242.  | 4.4 | 20        |
| 36 | AZD1480 delays tumor growth in a melanoma model while enhancing the suppressive activity of myeloid-derived suppressor cells. <i>Oncotarget</i> , 2014, 5, 6801-6815.   | 1.8 | 17        |

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|----|---|-----|-----------|
| 37 | Off the beaten path: Novel mRNA-nanoformulations for therapeutic vaccination against HIV. <i>Journal of Controlled Release</i> , 2021, 330, 1016-1033.  | 9.9 | 15        |
| 38 | Expansion of Polyfunctional HIV-Specific T Cells upon Stimulation with mRNA Electroporated Dendritic Cells in the Presence of Immunomodulatory Drugs. <i>Journal of Virology</i> , 2012, 86, 9351-9360.                         | 3.4 | 14        |
| 39 | Luminal Part of the DC-LAMP Protein Is Not Required for Induction of Antigen-Specific T Cell Responses by Means of Antigen-DC-LAMP Messenger RNA-Electroporated Dendritic Cells. <i>Human Gene Therapy</i> , 2010, 21, 479-485. | 2.7 | 11        |
| 40 | Does early cell death cause germ cell loss after intratesticular tissue grafting?. <i>Fertility and Sterility</i> , 2013, 99, 1264-1272.e1.   | 1.0 | 10        |
| 41 | DC immunotherapy in HIV-1 infection induces a major blood transcriptome shift. <i>Vaccine</i> , 2015, 33, 2922-2929.  | 3.8 | 10        |
| 42 | Oncolytic Herpes Simplex Virus Type 1 Induces Immunogenic Cell Death Resulting in Maturation of BDCA-1+ Myeloid Dendritic Cells. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4865.                           | 4.1 | 10        |
| 43 | HIV-1 evolution in patients undergoing immunotherapy with Tat, Rev, and Nef expressing dendritic cells followed by treatment interruption. <i>Aids</i> , 2013, 27, 2679-2689.   | 2.2 | 7         |
| 44 | Dendritic cell immunotherapy followed by cART interruption during HIV-1 infection induces plasma protein markers of cellular immunity and neutrophil recruitment. <i>PLoS ONE</i> , 2018, 13, e0192278.                         | 2.5 | 5         |
| 45 | Fighting with the Enemys Weapons? The Role of Costimulatory Molecules in HIV. <i>Current Molecular Medicine</i> , 2011, 11, 172-196.  | 1.3 | 4         |
| 46 | Sequence evolution and escape from specific immune pressure of an HIV-1 Rev epitope with extensive sequence similarity to human nucleolar protein 6. <i>Tissue Antigens</i> , 2012, 79, 174-185.                                | 1.0 | 4         |
| 47 | Manipulating Immune Regulatory Pathways to Enhance T Cell Stimulation. , 2014, , .  |     | 4         |
| 48 | Potential of memory T cells in bridging preoperative chemoradiation and immunotherapy in rectal cancer. <i>Radiotherapy and Oncology</i> , 2018, 127, 361-369.  | 0.6 | 4         |
| 49 | Efficient Induction of Antigen-Specific CD8+ T-Cell Responses by Cationic Peptide-Based mRNA Nanoparticles. <i>Pharmaceutics</i> , 2022, 14, 1387.  | 4.5 | 3         |
| 50 | Monocyte-derived DC Electroporated with mRNAs Encoding Both Specific HIV Antigens and DC Adjuvants Are Able to Improve T-cell Functionality. <i>AIDS Research and Human Retroviruses</i> , 2014, 30, A194-A194.                 | 1.1 | 0         |
| 51 | ID: 190. <i>Cytokine</i> , 2015, 76, 98.  | 3.2 | 0         |
| 52 | Abstract 4986: Myeloid-derived suppressor cells as a biomarker of tumor growth and radiosensitivity: Role of hypoxia-inducible arginase-1. , 2013, , .  |     | 0         |