# Jan Van den Bossche

List of Publications by Year
in descending order



| | | | |
|---|---|---|---|
| 73 papers | 7,171 citations | 117571<br>34 h-index | 102432<br>66 g-index |
| 73 all docs | 73 docs citations | 73 times ranked | 11798 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Myeloid CD40 deficiency reduces atherosclerosis by impairing macrophagesâ€™ transition into a pro-inflammatory state. Cardiovascular Research, 2023, 119, 1146-1160. | 1.8 | 18 |
| 2 | An integrated toolbox to profile macrophage immunometabolism. Cell Reports Methods, 2022, 2, 100192. | 1.4 | 18 |
| 3 | The glucose transporter GLUT3 controls T helper 17 cell responses through glycolytic-epigenetic reprogramming. Cell Metabolism, 2022, 34, 516-532.e11. | 7.2 | 70 |
| 4 | d-2-Hydroxyglutarate is an anti-inflammatory immunometabolite that accumulates in macrophages after TLR4 activation. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2022, 1868, 166427. | 1.8 | 19 |
| 5 | The effect of macrophage-targeted interventions on blood pressure â€“ a systematic review and meta-analysis of preclinical studies. Translational Research, 2021, 230, 123-138. | 2.2 | 2 |
| 6 | Single-cell metabolic profiling of human cytotoxic T cells. Nature Biotechnology, 2021, 39, 186-197. | 9.4 | 187 |
| 7 | Unconventional interleukin-1Î² release suppresses antitumor immunity. Science Translational Medicine, 2021, 13, . | 5.8 | 1 |
| 8 | Î±2-3 Sialic acid binding and uptake by human monocyte-derived dendritic cells alters metabolism and cytokine release and initiates tolerizing T cell programming. Immunotherapy Advances, 2021, 1, . | 1.2 | 7 |
| 9 | Keep your macrophages fit for healthy aging. Cell Metabolism, 2021, 33, 468-470. | 7.2 | 0 |
| 10 | Myeloid ATP Citrate Lyase Regulates Macrophage Inflammatory Responses In Vitro Without Altering Inflammatory Disease Outcomes. Frontiers in Immunology, 2021, 12, 669920. | 2.2 | 6 |
| 11 | Myeloid-Specific Acly Deletion Alters Macrophage Phenotype In Vitro and In Vivo without Affecting Tumor Growth. Cancers, 2021, 13, 3054. | 1.7 | 6 |
| 12 | IFN-Î³ Drives Human Monocyte Differentiation into Highly Proinflammatory Macrophages That Resemble a Phenotype Relevant to Psoriasis. Journal of Immunology, 2021, 207, 555-568. | 0.4 | 15 |
| 13 | IDH-Mutant Brain Tumors Hit the Achillesâ€™ Heel of Macrophages with R-2-Hydroxyglutarate. Trends in Cancer, 2021, 7, 666-667. | 3.8 | 6 |
| 14 | The multifaceted therapeutic value of targeting ATP-citrate lyase in atherosclerosis. Trends in Molecular Medicine, 2021, 27, 1095-1105. | 3.5 | 17 |
| 15 | Macrophages are metabolically heterogeneous within the tumor microenvironment. Cell Reports, 2021, 37, 110171. | 2.9 | 69 |
| 16 | Immunometabolism in the Single-Cell Era. Cell Metabolism, 2020, 32, 710-725. | 7.2 | 116 |
| 17 | Metabolic Cancer-Macrophage Crosstalk in the Tumor Microenvironment. Biology, 2020, 9, 380. | 1.3 | 16 |
| 18 | Monocyte-derived APCs are central to the response of PD1 checkpoint blockade and provide a therapeutic target for combination therapy. , 2020, 8, e000588. | | 38 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Oncometabolites lactate and succinate drive pro-angiogenic macrophage response in tumors. Biochimica Et Biophysica Acta: Reviews on Cancer, 2020, 1874, 188427. | 3.3 | 61 |
| 20 | Succinate Is an Inflammation-Induced Immunoregulatory Metabolite in Macrophages. Metabolites, 2020, 10, 372. | 1.3 | 63 |
| 21 | Macrophage ATP citrate lyase deficiency stabilizes atherosclerotic plaques. Nature Communications, 2020, 11, 6296. | 5.8 | 70 |
| 22 | Intestinal Macrophages Balance Inflammatory Expression Profiles via Vitamin A and Dectin-1-Mediated Signaling. Frontiers in Immunology, 2020, 11, 551. | 2.2 | 22 |
| 23 | Myeloid Ezh2 Deficiency Limits Atherosclerosis Development. Frontiers in Immunology, 2020, 11, 594603. | 2.2 | 11 |
| 24 | Macrophages make you stronger. Science Translational Medicine, 2020, 12, . | 5.8 | 0 |
| 25 | A brake on inflammaging. Science Translational Medicine, 2020, 12, . | 5.8 | 1 |
| 26 | Improving metabolic fitness of antitumor immune cells. Science Translational Medicine, 2020, 12, . | 5.8 | 0 |
| 27 | Metabolic control of NLRP3 inflammasome by itaconation. Science Translational Medicine, 2020, 12, . | 5.8 | 0 |
| 28 | Fatty exosomes hamper antitumor immunity. Science Translational Medicine, 2020, 12, . | 5.8 | 2 |
| 29 | Rewiring of immune-metabolic crosstalk in the liver after viral infection. Journal of Molecular Medicine, 2019, 97, 1245-1246. | 1.7 | 0 |
| 30 | Metabolicâ€"epigenetic crosstalk in macrophage activation: an updated view. Epigenomics, 2019, 11, 719-721. | 1.0 | 9 |
| 31 | Immunometabolism and atherosclerosis: perspectives and clinical significance: a position paper from the Working Group on Atherosclerosis and Vascular Biology of the European Society of Cardiology. Cardiovascular Research, 2019, 115, 1385-1392. | 1.8 | 58 |
| 32 | Letâ€™s Enter the Wonderful World of Immunometabolites. Trends in Endocrinology and Metabolism, 2019, 30, 329-331. | 3.1 | 8 |
| 33 | Going -omics to identify novel therapeutic targets for cardiovascular disease. EBioMedicine, 2019, 41, 7-8. | 2.7 | 1 |
| 34 | Targeting Histone Deacetylases in Myeloid Cells Inhibits Their Maturation and Inflammatory Function With Limited Effects on Atherosclerosis. Frontiers in Pharmacology, 2019, 10, 1242. | 1.6 | 16 |
| 35 | Metabolic Alterations in Aging Macrophages: Ingredients for Inflammaging?. Trends in Immunology, 2019, 40, 113-127. | 2.9 | 125 |
| 36 | Salt increases monocyte CCR2 expression and inflammatory responses in humans. JCI Insight, 2019, 4, . | 2.3 | 34 |

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|---|---|---|---|
| 37 | Metabolic regulation of macrophages in tissues. Cellular Immunology, 2018, 330, 54-59. | 1.4 | 62 |
| 38 | A Defective Pentose Phosphate Pathway Reduces Inflammatory Macrophage Responses during Hypercholesterolemia. Cell Reports, 2018, 25, 2044-2052.e5. | 2.9 | 140 |
| 39 | Fatty Acid Oxidation in Macrophages and T Cells: Time for Reassessment?. Cell Metabolism, 2018, 28, 538-540. | 7.2 | 48 |
| 40 | Nuclear Receptor Nur77 Limits the Macrophage Inflammatory Response through Transcriptional Reprogramming of Mitochondrial Metabolism. Cell Reports, 2018, 24, 2127-2140.e7. | 2.9 | 110 |
| 41 | Myeloid Kdm6b deficiency results in advanced atherosclerosis. Atherosclerosis, 2018, 275, 156-165. | 0.4 | 22 |
| 42 | High miR-124-3p expression identifies smoking individuals susceptible to atherosclerosis. Atherosclerosis, 2017, 263, 377-384. | 0.4 | 33 |
| 43 | Macrophage Immunometabolism: Where Are We (Going)?. Trends in Immunology, 2017, 38, 395-406. | 2.9 | 758 |
| 44 | Macrophage Kdm6b controls the pro-fibrotic transcriptome signature of foam cells. Epigenomics, 2017, 9, 383-391. | 1.0 | 24 |
| 45 | Helminth antigens counteract a rapid high-fat diet-induced decrease in adipose tissue eosinophils. Journal of Molecular Endocrinology, 2017, 59, 245-255. | 1.1 | 17 |
| 46 | Epigenetic mechanisms of macrophage activation in type 2 diabetes. Immunobiology, 2017, 222, 937-943. | 0.8 | 49 |
| 47 | CD70 limits atherosclerosis and promotes macrophage function. Thrombosis and Haemostasis, 2017, 117, 164-175. | 1.8 | 21 |
| 48 | PCSK9 monoclonal antibodies reverse the pro-inflammatory profile of monocytes in familial hypercholesterolaemia. European Heart Journal, 2017, 38, 1584-1593. | 1.0 | 141 |
| 49 | Liposomal prednisolone promotes macrophage lipotoxicity in experimental atherosclerosis. Nanomedicine: Nanotechnology, Biology, and Medicine, 2016, 12, 1463-1470. | 1.7 | 32 |
| 50 | Mitochondrial Dysfunction Prevents Repolarization of Inflammatory Macrophages. Cell Reports, 2016, 17, 684-696. | 2.9 | 595 |
| 51 | Oxidized Phospholipids on Lipoprotein(a) Elicit Arterial Wall Inflammation and an Inflammatory Monocyte Response in Humans. Circulation, 2016, 134, 611-624. | 1.6 | 396 |
| 52 | Myeloid interferon-Î³ receptor deficiency does not affect atherosclerosis in LDLR-/- mice. Atherosclerosis, 2016, 246, 325-333. | 0.4 | 6 |
| 53 | Interferon-Î² promotes macrophage foam cell formation by altering both cholesterol influx and efflux mechanisms. Cytokine, 2016, 77, 220-226. | 1.4 | 29 |
| 54 | E-cadherin expression in macrophages dampens their inflammatory responsiveness in vitro, but does not modulate M2-regulated pathologies in vivo. Scientific Reports, 2015, 5, 12599. | 1.6 | 29 |

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|---|---|---|---|
| 55 | Metabolic Characterization of Polarized M1 and M2 Bone Marrow-derived Macrophages Using Real-time Extracellular Flux Analysis. Journal of Visualized Experiments, 2015, , . | 0.2 | 170 |
| 56 | Epigenetic pathways in macrophages emerge as novel targets in atherosclerosis. European Journal of Pharmacology, 2015, 763, 79-89. | 1.7 | 64 |
| 57 | IFN-Î³ Priming of Macrophages Represses a Part of the Inflammatory Program and Attenuates Neutrophil Recruitment. Journal of Immunology, 2015, 194, 3909-3916. | 0.4 | 56 |
| 58 | Metabolicâ€“epigenetic crosstalk in macrophage activation. Epigenomics, 2015, 7, 1155-1164. | 1.0 | 51 |
| 59 | Inhibiting epigenetic enzymes to improve atherogenic macrophage functions. Biochemical and Biophysical Research Communications, 2014, 455, 396-402. | 1.0 | 66 |
| 60 | Macrophage polarization. Current Opinion in Lipidology, 2014, 25, 367-373. | 1.2 | 75 |
| 61 | Targeting macrophage Histone deacetylase 3 stabilizes atherosclerotic lesions. EMBO Molecular Medicine, 2014, 6, 1124-1132. | 3.3 | 140 |
| 62 | Eâ€cadherin: From epithelial glue to immunological regulator. European Journal of Immunology, 2013, 43, 34-37. | 1.6 | 25 |
| 63 | BMP7 Activates Brown Adipose Tissue and Reduces Diet-Induced Obesity Only at Subthermoneutrality. PLoS ONE, 2013, 8, e74083. | 1.1 | 82 |
| 64 | Pivotal Advance: Arginase-1-independent polyamine production stimulates the expression of IL-4-induced alternatively activated macrophage markers while inhibiting LPS-induced expression of inflammatory genes. Journal of Leukocyte Biology, 2012, 91, 685-699. | 1.5 | 100 |
| 65 | Regulation and function of the E-cadherin/catenin complex in cells of the monocyte-macrophage lineage and DCs. Blood, 2012, 119, 1623-1633. | 0.6 | 138 |
| 66 | The <scp>CD</scp>20 homolog <scp>M</scp>s4a8a integrates proâ€•and antiâ€•inflammatory signals in novel <scp>M</scp>2â€•like macrophages and is expressed in parasite infection. European Journal of Immunology, 2012, 42, 2971-2982. | 1.6 | 14 |
| 67 | Mononuclear phagocyte heterogeneity in cancer: Different subsets and activation states reaching out at the tumor site. Immunobiology, 2011, 216, 1192-1202. | 0.8 | 88 |
| 68 | Tumor-associated macrophages in breast cancer: distinct subsets, distinct functions. International Journal of Developmental Biology, 2011, 55, 861-867. | 0.3 | 255 |
| 69 | Different Tumor Microenvironments Contain Functionally Distinct Subsets of Macrophages Derived from Ly6C(high) Monocytes. Cancer Research, 2010, 70, 5728-5739. | 0.4 | 1,018 |
| 70 | Origin, phenotype and function of monocyte/macrophage subsets in distinct mammary tumor microenvironments. Cytokine, 2009, 48, 8. | 1.4 | 0 |
| 71 | Alternatively activated macrophages engage in homotypic and heterotypic interactions through IL-4 and polyamine-induced E-cadherin/catenin complexes. Blood, 2009, 114, 4664-4674. | 0.6 | 103 |
| 72 | Identification of discrete tumor-induced myeloid-derived suppressor cell subpopulations with distinct T cellâ€“suppressive activity. Blood, 2008, 111, 4233-4244. | 0.6 | 1,081 |

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|---|---|---|---|
| 73 | Macrophages, PPARs, and Cancer. PPAR Research, 2008, 2008, 1-11. | 1.1 | 41 |