

# Jan Van den Bossche

## List of Publications by Year in descending order

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Version: 2024-02-01

73  
papers

7,171  
citations

117571

34  
h-index

102432

66  
g-index

73  
all docs

73  
docs citations

73  
times ranked

11798  
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification of discrete tumor-induced myeloid-derived suppressor cell subpopulations with distinct T cell-suppressive activity. <i>Blood</i> , 2008, 111, 4233-4244.	0.6	1,081
2	Different Tumor Microenvironments Contain Functionally Distinct Subsets of Macrophages Derived from Ly6C(high) Monocytes. <i>Cancer Research</i> , 2010, 70, 5728-5739.	0.4	1,018
3	Macrophage Immunometabolism: Where Are We (Going)?. <i>Trends in Immunology</i> , 2017, 38, 395-406.	2.9	758
4	Mitochondrial Dysfunction Prevents Repolarization of Inflammatory Macrophages. <i>Cell Reports</i> , 2016, 17, 684-696.	2.9	595
5	Oxidized Phospholipids on Lipoprotein(a) Elicit Arterial Wall Inflammation and an Inflammatory Monocyte Response in Humans. <i>Circulation</i> , 2016, 134, 611-624.	1.6	396
6	Tumor-associated macrophages in breast cancer: distinct subsets, distinct functions. <i>International Journal of Developmental Biology</i> , 2011, 55, 861-867.	0.3	255
7	Single-cell metabolic profiling of human cytotoxic T cells. <i>Nature Biotechnology</i> , 2021, 39, 186-197.	9.4	187
8	Metabolic Characterization of Polarized M1 and M2 Bone Marrow-derived Macrophages Using Real-time Extracellular Flux Analysis. <i>Journal of Visualized Experiments</i> , 2015, , .	0.2	170
9	PCSK9 monoclonal antibodies reverse the pro-inflammatory profile of monocytes in familial hypercholesterolaemia. <i>European Heart Journal</i> , 2017, 38, 1584-1593.	1.0	141
10	Targeting macrophage Histone deacetylase 3 stabilizes atherosclerotic lesions. <i>EMBO Molecular Medicine</i> , 2014, 6, 1124-1132.	3.3	140
11	A Defective Pentose Phosphate Pathway Reduces Inflammatory Macrophage Responses during Hypercholesterolemia. <i>Cell Reports</i> , 2018, 25, 2044-2052.e5.	2.9	140
12	Regulation and function of the E-cadherin/catenin complex in cells of the monocyte-macrophage lineage and DCs. <i>Blood</i> , 2012, 119, 1623-1633.	0.6	138
13	Metabolic Alterations in Aging Macrophages: Ingredients for Inflammaging?. <i>Trends in Immunology</i> , 2019, 40, 113-127.	2.9	125
14	Immunometabolism in the Single-Cell Era. <i>Cell Metabolism</i> , 2020, 32, 710-725.	7.2	116
15	Nuclear Receptor Nur77 Limits the Macrophage Inflammatory Response through Transcriptional Reprogramming of Mitochondrial Metabolism. <i>Cell Reports</i> , 2018, 24, 2127-2140.e7.	2.9	110
16	Alternatively activated macrophages engage in homotypic and heterotypic interactions through IL-4 and polyamine-induced E-cadherin/catenin complexes. <i>Blood</i> , 2009, 114, 4664-4674.	0.6	103
17	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. <i>Journal of Leukocyte Biology</i> , 2012, 91, 685-699.	1.5	100
18	Mononuclear phagocyte heterogeneity in cancer: Different subsets and activation states reaching out at the tumor site. <i>Immunobiology</i> , 2011, 216, 1192-1202.	0.8	88

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19	BMP7 Activates Brown Adipose Tissue and Reduces Diet-Induced Obesity Only at Subthermoneutrality. PLoS ONE, 2013, 8, e74083.	1.1	82
20	Macrophage polarization. Current Opinion in Lipidology, 2014, 25, 367-373.	1.2	75
21	Macrophage ATP citrate lyase deficiency stabilizes atherosclerotic plaques. Nature Communications, 2020, 11, 6296.	5.8	70
22	The glucose transporter GLUT3 controls T helper 17 cell responses through glycolytic-epigenetic reprogramming. Cell Metabolism, 2022, 34, 516-532.e11.	7.2	70
23	Macrophages are metabolically heterogeneous within the tumor microenvironment. Cell Reports, 2021, 37, 110171.	2.9	69
24	Inhibiting epigenetic enzymes to improve atherogenic macrophage functions. Biochemical and Biophysical Research Communications, 2014, 455, 396-402.	1.0	66
25	Epigenetic pathways in macrophages emerge as novel targets in atherosclerosis. European Journal of Pharmacology, 2015, 763, 79-89.	1.7	64
26	Succinate Is an Inflammation-Induced Immunoregulatory Metabolite in Macrophages. Metabolites, 2020, 10, 372.	1.3	63
27	Metabolic regulation of macrophages in tissues. Cellular Immunology, 2018, 330, 54-59.	1.4	62
28	Oncometabolites lactate and succinate drive pro-angiogenic macrophage response in tumors. Biochimica Et Biophysica Acta: Reviews on Cancer, 2020, 1874, 188427.	3.3	61
29	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
30	IFN- $\gamma$ Priming of Macrophages Represses a Part of the Inflammatory Program and Attenuates Neutrophil Recruitment. Journal of Immunology, 2015, 194, 3909-3916.	0.4	56
31	Metabolic "epigenetic crosstalk in macrophage activation. Epigenomics, 2015, 7, 1155-1164.	1.0	51
32	Epigenetic mechanisms of macrophage activation in type 2 diabetes. Immunobiology, 2017, 222, 937-943.	0.8	49
33	Fatty Acid Oxidation in Macrophages and T Cells: Time for Reassessment?. Cell Metabolism, 2018, 28, 538-540.	7.2	48
34	Macrophages, PPARs, and Cancer. PPAR Research, 2008, 2008, 1-11.	1.1	41
35	Monocyte-derived APCs are central to the response of PD1 checkpoint blockade and provide a therapeutic target for combination therapy. , 2020, 8, e000588.		38
36	Salt increases monocyte CCR2 expression and inflammatory responses in humans. JCI Insight, 2019, 4, .	2.3	34

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37	High miR-124-3p expression identifies smoking individuals susceptible to atherosclerosis. <i>Atherosclerosis</i> , 2017, 263, 377-384.	0.4	33
38	Liposomal prednisolone promotes macrophage lipotoxicity in experimental atherosclerosis. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2016, 12, 1463-1470.	1.7	32
39	E-cadherin expression in macrophages dampens their inflammatory responsiveness in vitro, but does not modulate M2-regulated pathologies in vivo. <i>Scientific Reports</i> , 2015, 5, 12599.	1.6	29
40	Interferon- $\hat{I}^2$ promotes macrophage foam cell formation by altering both cholesterol influx and efflux mechanisms. <i>Cytokine</i> , 2016, 77, 220-226.	1.4	29
41	E-cadherin: From epithelial glue to immunological regulator. <i>European Journal of Immunology</i> , 2013, 43, 34-37.	1.6	25
42	Macrophage Kdm6b controls the pro-fibrotic transcriptome signature of foam cells. <i>Epigenomics</i> , 2017, 9, 383-391.	1.0	24
43	Myeloid Kdm6b deficiency results in advanced atherosclerosis. <i>Atherosclerosis</i> , 2018, 275, 156-165.	0.4	22
44	Intestinal Macrophages Balance Inflammatory Expression Profiles via Vitamin A and Dectin-1-Mediated Signaling. <i>Frontiers in Immunology</i> , 2020, 11, 551.	2.2	22
45	CD70 limits atherosclerosis and promotes macrophage function. <i>Thrombosis and Haemostasis</i> , 2017, 117, 164-175.	1.8	21
46	d-2-Hydroxyglutarate is an anti-inflammatory immunometabolite that accumulates in macrophages after TLR4 activation. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2022, 1868, 166427.	1.8	19
47	An integrated toolbox to profile macrophage immunometabolism. <i>Cell Reports Methods</i> , 2022, 2, 100192.	1.4	18
48	Myeloid CD40 deficiency reduces atherosclerosis by impairing macrophages' transition into a pro-inflammatory state. <i>Cardiovascular Research</i> , 2023, 119, 1146-1160.	1.8	18
49	Helminth antigens counteract a rapid high-fat diet-induced decrease in adipose tissue eosinophils. <i>Journal of Molecular Endocrinology</i> , 2017, 59, 245-255.	1.1	17
50	The multifaceted therapeutic value of targeting ATP-citrate lyase in atherosclerosis. <i>Trends in Molecular Medicine</i> , 2021, 27, 1095-1105.	3.5	17
51	Targeting Histone Deacetylases in Myeloid Cells Inhibits Their Maturation and Inflammatory Function With Limited Effects on Atherosclerosis. <i>Frontiers in Pharmacology</i> , 2019, 10, 1242.	1.6	16
52	Metabolic Cancer-Macrophage Crosstalk in the Tumor Microenvironment. <i>Biology</i> , 2020, 9, 380.	1.3	16
53	IFN- $\hat{I}^3$ Drives Human Monocyte Differentiation into Highly Proinflammatory Macrophages That Resemble a Phenotype Relevant to Psoriasis. <i>Journal of Immunology</i> , 2021, 207, 555-568.	0.4	15
54	The CD20 homolog Ms4a8a integrates pro- and anti-inflammatory signals in novel M2-like macrophages and is expressed in parasite infection. <i>European Journal of Immunology</i> , 2012, 42, 2971-2982.	1.6	14

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55	Myeloid Ezh2 Deficiency Limits Atherosclerosis Development. <i>Frontiers in Immunology</i> , 2020, 11, 594603.	2.2	11
56	Metabolic epigenetic crosstalk in macrophage activation: an updated view. <i>Epigenomics</i> , 2019, 11, 719-721.	1.0	9
57	Let™s Enter the Wonderful World of Immunometabolites. <i>Trends in Endocrinology and Metabolism</i> , 2019, 30, 329-331.	3.1	8
58	±2-3 Sialic acid binding and uptake by human monocyte-derived dendritic cells alters metabolism and cytokine release and initiates tolerizing T cell programming. <i>Immunotherapy Advances</i> , 2021, 1, .	1.2	7
59	Myeloid interferon-³ receptor deficiency does not affect atherosclerosis in LDLR-/- mice. <i>Atherosclerosis</i> , 2016, 246, 325-333.	0.4	6
60	Myeloid ATP Citrate Lyase Regulates Macrophage Inflammatory Responses In Vitro Without Altering Inflammatory Disease Outcomes. <i>Frontiers in Immunology</i> , 2021, 12, 669920.	2.2	6
61	Myeloid-Specific Acly Deletion Alters Macrophage Phenotype In Vitro and In Vivo without Affecting Tumor Growth. <i>Cancers</i> , 2021, 13, 3054.	1.7	6
62	IDH-Mutant Brain Tumors Hit the Achilles™ Heel of Macrophages with R-2-Hydroxyglutarate. <i>Trends in Cancer</i> , 2021, 7, 666-667.	3.8	6
63	The effect of macrophage-targeted interventions on blood pressure a systematic review and meta-analysis of preclinical studies. <i>Translational Research</i> , 2021, 230, 123-138.	2.2	2
64	Fatty exosomes hamper antitumor immunity. <i>Science Translational Medicine</i> , 2020, 12, .	5.8	2
65	Going -omics to identify novel therapeutic targets for cardiovascular disease. <i>EBioMedicine</i> , 2019, 41, 7-8.	2.7	1
66	Unconventional interleukin-1² release suppresses antitumor immunity. <i>Science Translational Medicine</i> , 2021, 13, .	5.8	1
67	A brake on inflammaging. <i>Science Translational Medicine</i> , 2020, 12, .	5.8	1
68	Origin, phenotype and function of monocyte/macrophage subsets in distinct mammary tumor microenvironments. <i>Cytokine</i> , 2009, 48, 8.	1.4	0
69	Rewiring of immune-metabolic crosstalk in the liver after viral infection. <i>Journal of Molecular Medicine</i> , 2019, 97, 1245-1246.	1.7	0
70	Keep your macrophages fit for healthy aging. <i>Cell Metabolism</i> , 2021, 33, 468-470.	7.2	0
71	Macrophages make you stronger. <i>Science Translational Medicine</i> , 2020, 12, .	5.8	0
72	Improving metabolic fitness of antitumor immune cells. <i>Science Translational Medicine</i> , 2020, 12, .	5.8	0

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73	Metabolic control of NLRP3 inflammasome by itaconation. Science Translational Medicine, 2020, 12, .	5.8	0