

# John De Vos

## List of Publications by Citations

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106  
papers

7,699  
citations

52  
h-index

87  
g-index

131  
ext. papers

8,648  
ext. citations

5.7  
avg, IF

5.17  
L-index

#	Paper	IF	Citations
106	Clinical utility of microarray-based gene expression profiling in the diagnosis and subclassification of leukemia: report from the International Microarray Innovations in Leukemia Study Group. <i>Journal of Clinical Oncology</i> , <b>2010</b> , 28, 2529-37	2.2	463
105	Topoisomerase I suppresses genomic instability by preventing interference between replication and transcription. <i>Nature Cell Biology</i> , <b>2009</b> , 11, 1315-24	23.4	351
104	Rejuvenating senescent and centenarian human cells by reprogramming through the pluripotent state. <i>Genes and Development</i> , <b>2011</b> , 25, 2248-53	12.6	326
103	A meta-analysis of human embryonic stem cells transcriptome integrated into a web-based expression atlas. <i>Stem Cells</i> , <b>2007</b> , 25, 961-73	5.8	276
102	The human cumulus-oocyte complex gene-expression profile. <i>Human Reproduction</i> , <b>2006</b> , 21, 1705-19	5.7	232
101	The level of TACI gene expression in myeloma cells is associated with a signature of microenvironment dependence versus a plasmablastic signature. <i>Blood</i> , <b>2005</b> , 106, 1021-30	2.2	221
100	Embryonic stem cell markers expression in cancers. <i>Biochemical and Biophysical Research Communications</i> , <b>2009</b> , 383, 157-62	3.4	183
99	Survival and proliferation factors of normal and malignant plasma cells. <i>International Journal of Hematology</i> , <b>2003</b> , 78, 106-13	2.3	180
98	CD200 is a new prognostic factor in multiple myeloma. <i>Blood</i> , <b>2006</b> , 108, 4194-7	2.2	179
97	An in vitro model of differentiation of memory B cells into plasmablasts and plasma cells including detailed phenotypic and molecular characterization. <i>Blood</i> , <b>2009</b> , 114, 5173-81	2.2	175
96	Gene expression profile of human endometrial receptivity: comparison between natural and stimulated cycles for the same patients. <i>Human Reproduction</i> , <b>2009</b> , 24, 1436-45	5.7	172
95	A non-invasive test for assessing embryo potential by gene expression profiles of human cumulus cells: a proof of concept study. <i>Molecular Human Reproduction</i> , <b>2008</b> , 14, 711-9	4.4	157
94	Human cumulus cells as biomarkers for embryo and pregnancy outcomes. <i>Molecular Human Reproduction</i> , <b>2010</b> , 16, 531-8	4.4	156
93	Gene expression profiling of plasma cells and plasmablasts: toward a better understanding of the late stages of B-cell differentiation. <i>Blood</i> , <b>2003</b> , 102, 592-600	2.2	156
92	Comparison of gene expression profiling between malignant and normal plasma cells with oligonucleotide arrays. <i>Oncogene</i> , <b>2002</b> , 21, 6848-57	9.2	142
91	Identifying intercellular signaling genes expressed in malignant plasma cells by using complementary DNA arrays. <i>Blood</i> , <b>2001</b> , 98, 771-80	2.2	139
90	An international standardization programme towards the application of gene expression profiling in routine leukaemia diagnostics: the Microarray Innovations in LEukemia study prephase. <i>British Journal of Haematology</i> , <b>2008</b> , 142, 802-7	4.5	132

89	JAK2 tyrosine kinase inhibitor tyrphostin AG490 downregulates the mitogen-activated protein kinase (MAPK) and signal transducer and activator of transcription (STAT) pathways and induces apoptosis in myeloma cells. <i>British Journal of Haematology</i> , <b>2000</b> , 109, 823-8	4.5	131
88	Identification of new biomarkers of human endometrial receptivity in the natural cycle. <i>Human Reproduction</i> , <b>2009</b> , 24, 198-205	5.7	128
87	A major role for Mcl-1 antiapoptotic protein in the IL-6-induced survival of human myeloma cells. <i>Oncogene</i> , <b>2003</b> , 22, 2950-9	9.2	127
86	Heparanase influences expression and shedding of syndecan-1, and its expression by the bone marrow environment is a bad prognostic factor in multiple myeloma. <i>Blood</i> , <b>2007</b> , 109, 4914-23	2.2	122
85	Generation of polyclonal plasmablasts from peripheral blood B cells: a normal counterpart of malignant plasmablasts. <i>Blood</i> , <b>2002</b> , 100, 1113-1122	2.2	121
84	Regulation of Bcl-2-family proteins in myeloma cells by three myeloma survival factors: interleukin-6, interferon-alpha and insulin-like growth factor 1. <i>Cell Death and Differentiation</i> , <b>2000</b> , 7, 1244-52	12.7	117
83	Induction of angiogenesis by normal and malignant plasma cells. <i>Blood</i> , <b>2009</b> , 114, 128-43	2.2	114
82	Reinforcement of STAT3 activity reprogrammes human embryonic stem cells to naive-like pluripotency. <i>Nature Communications</i> , <b>2015</b> , 6, 7095	17.4	103
81	Characterization of a transitional preplasmablast population in the process of human B cell to plasma cell differentiation. <i>Journal of Immunology</i> , <b>2011</b> , 187, 3931-41	5.3	102
80	Follicular lymphoma cell niche: identification of a preeminent IL-4-dependent T(FH)-B cell axis. <i>Leukemia</i> , <b>2010</b> , 24, 2080-9	10.7	101
79	Cancer/testis genes in multiple myeloma: expression patterns and prognosis value determined by microarray analysis. <i>Journal of Immunology</i> , <b>2007</b> , 178, 3307-15	5.3	100
78	A gene expression signature shared by human mature oocytes and embryonic stem cells. <i>BMC Genomics</i> , <b>2009</b> , 10, 10	4.5	99
77	Mesenchymal stromal cells orchestrate follicular lymphoma cell niche through the CCL2-dependent recruitment and polarization of monocytes. <i>Blood</i> , <b>2012</b> , 119, 2556-67	2.2	98
76	Analysis of replication profiles reveals key role of RFC-Ctf18 in yeast replication stress response. <i>Nature Structural and Molecular Biology</i> , <b>2010</b> , 17, 1391-7	17.6	97
75	Controlled ovarian hyperstimulation for in vitro fertilization alters endometrial receptivity in humans: protocol effects. <i>Biology of Reproduction</i> , <b>2010</b> , 82, 679-86	3.9	93
74	Identifying new human oocyte marker genes: a microarray approach. <i>Reproductive BioMedicine Online</i> , <b>2007</b> , 14, 175-83	4	91
73	Experimental anti-angiogenesis causes upregulation of genes associated with poor survival in glioblastoma. <i>International Journal of Cancer</i> , <b>2008</b> , 122, 2187-98	7.5	88
72	Inhibition of aurora kinases for tailored risk-adapted treatment of multiple myeloma. <i>Blood</i> , <b>2009</b> , 113, 4331-40	2.2	85

71	Insights into human endometrial receptivity from transcriptomic and proteomic data. <i>Reproductive BioMedicine Online</i> , <b>2012</b> , 24, 23-34	4	83
70	Dynamic changes in gene expression during human early embryo development: from fundamental aspects to clinical applications. <i>Human Reproduction Update</i> , <b>2011</b> , 17, 272-90	15.8	81
69	PAX5 mutations occur frequently in adult B-cell progenitor acute lymphoblastic leukemia and PAX5 haploinsufficiency is associated with BCR-ABL1 and TCF3-PBX1 fusion genes: a GRAALL study. <i>Leukemia</i> , <b>2009</b> , 23, 1989-98	10.7	81
68	Expression of EGF-family receptors and amphiregulin in multiple myeloma. Amphiregulin is a growth factor for myeloma cells. <i>Oncogene</i> , <b>2005</b> , 24, 3512-24	9.2	81
67	Heparan sulphate proteoglycans are essential for the myeloma cell growth activity of EGF-family ligands in multiple myeloma. <i>Oncogene</i> , <b>2006</b> , 25, 7180-91	9.2	77
66	CD200: a putative therapeutic target in cancer. <i>Biochemical and Biophysical Research Communications</i> , <b>2008</b> , 366, 117-22	3.4	76
65	Long non-coding RNAs in human early embryonic development and their potential in ART. <i>Human Reproduction Update</i> , <b>2016</b> , 23, 19-40	15.8	70
64	Transcriptome analysis reveals dialogues between human trophectoderm and endometrial cells during the implantation period. <i>Human Reproduction</i> , <b>2011</b> , 26, 1440-9	5.7	69
63	Bone morphogenic protein 6: a member of a novel class of prognostic factors expressed by normal and malignant plasma cells inhibiting proliferation and angiogenesis. <i>Oncogene</i> , <b>2009</b> , 28, 3866-79	9.2	65
62	Dissecting the first transcriptional divergence during human embryonic development. <i>Stem Cell Reviews and Reports</i> , <b>2012</b> , 8, 150-62	6.4	60
61	Involvement of BCL2 family members in the regulation of human oocyte and early embryo survival and death: gene expression and beyond. <i>Reproduction</i> , <b>2011</b> , 141, 549-61	3.8	59
60	Temporal analysis of genome alterations induced by single-cell passaging in human embryonic stem cells. <i>Stem Cells and Development</i> , <b>2015</b> , 24, 653-62	4.4	57
59	An inhibitor of the EGF receptor family blocks myeloma cell growth factor activity of HB-EGF and potentiates dexamethasone or anti-IL-6 antibody-induced apoptosis. <i>Blood</i> , <b>2004</b> , 103, 1829-37	2.2	57
58	Cooperation between heparin-binding EGF-like growth factor and interleukin-6 in promoting the growth of human myeloma cells. <i>Oncogene</i> , <b>2002</b> , 21, 2584-92	9.2	54
57	Agonist anti-gp130 transducer monoclonal antibodies are human myeloma cell survival and growth factors. <i>Leukemia</i> , <b>2000</b> , 14, 188-97	10.7	54
56	Generation of polyclonal plasmablasts from peripheral blood B cells: a normal counterpart of malignant plasmablasts. <i>Blood</i> , <b>2002</b> , 100, 1113-22	2.2	54
55	APRIL is overexpressed in cancer: link with tumor progression. <i>BMC Cancer</i> , <b>2009</b> , 9, 83	4.8	53
54	Proof of concept for AAV2/5-mediated gene therapy in iPSC-derived retinal pigment epithelium of a choroideremia patient. <i>Molecular Therapy - Methods and Clinical Development</i> , <b>2014</b> , 1, 14011	6.4	52

53	Human cumulus cells molecular signature in relation to oocyte nuclear maturity stage. <i>PLoS ONE</i> , <b>2011</b> , 6, e27179	3.7	52
52	Gene expression of anti- and pro-apoptotic proteins in malignant and normal plasma cells. <i>British Journal of Haematology</i> , <b>2009</b> , 145, 45-58	4.5	50
51	Targeting NF-kappaB pathway with an IKK2 inhibitor induces inhibition of multiple myeloma cell growth. <i>British Journal of Haematology</i> , <b>2007</b> , 138, 160-8	4.5	50
50	Microarray-based understanding of normal and malignant plasma cells. <i>Immunological Reviews</i> , <b>2006</b> , 210, 86-104	11.3	49
49	Correlating global gene regulation to angiogenesis in the developing chick extra-embryonic vascular system. <i>PLoS ONE</i> , <b>2009</b> , 4, e7856	3.7	45
48	Human-animal chimeras: ethical issues about farming chimeric animals bearing human organs. <i>Stem Cell Research and Therapy</i> , <b>2016</b> , 7, 87	8.3	40
47	Amazonia!: An Online Resource to Google and Visualize Public Human whole Genome Expression Data. <i>Open Bioinformatics Journal</i> , <b>2010</b> , 4, 5-10	0.8	39
46	Differential long non-coding RNA expression profiles in human oocytes and cumulus cells. <i>Scientific Reports</i> , <b>2018</b> , 8, 2202	4.9	36
45	TAC1 expression is associated with a mature bone marrow plasma cell signature and C-MAF overexpression in human myeloma cell lines. <i>Haematologica</i> , <b>2007</b> , 92, 803-11	6.6	36
44	Brief report: benchmarking human pluripotent stem cell markers during differentiation into the three germ layers unveils a striking heterogeneity: all markers are not equal. <i>Stem Cells</i> , <b>2011</b> , 29, 1469-74 <sup>8</sup>	5.8	34
43	Concise Review: Assessing the Genome Integrity of Human Induced Pluripotent Stem Cells: What Quality Control Metrics?. <i>Stem Cells</i> , <b>2018</b> , 36, 814-821	5.8	32
42	Human T-cell lines with well-defined T-cell receptor gene rearrangements as controls for the BIOMED-2 multiplex polymerase chain reaction tubes. <i>Leukemia</i> , <b>2007</b> , 21, 230-7	10.7	31
41	Gene expression profiling of chronic lymphocytic leukemia can discriminate cases with stable disease and mutated Ig genes from those with progressive disease and unmutated Ig genes. <i>Leukemia</i> , <b>2005</b> , 19, 2002-5	10.7	31
40	A new method for class prediction based on signed-rank algorithms applied to Affymetrix microarray experiments. <i>BMC Bioinformatics</i> , <b>2008</b> , 9, 16	3.6	30
39	Embryonic stem cells or induced pluripotent stem cells? A DNA integrity perspective. <i>Current Gene Therapy</i> , <b>2013</b> , 13, 93-8	4.3	30
38	Recurrent Genetic Abnormalities in Human Pluripotent Stem Cells: Definition and Routine Detection in Culture Supernatant by Targeted Droplet Digital PCR. <i>Stem Cell Reports</i> , <b>2020</b> , 14, 1-8	8	26
37	LH/hCGR gene expression in human cumulus cells is linked to the expression of the extracellular matrix modifying gene TNFAIP6 and to serum estradiol levels on day of hCG administration. <i>Human Reproduction</i> , <b>2009</b> , 24, 2868-78	5.7	23
36	1q12 chromosome translocations form aberrant heterochromatic foci associated with changes in nuclear architecture and gene expression in B cell lymphoma. <i>EMBO Molecular Medicine</i> , <b>2010</b> , 2, 159-71 <sup>12</sup>		23

35	Dimerization and activation of the common transducing chain (gp130) of the cytokines of the IL-6 family by mAb. <i>International Immunology</i> , <b>1998</b> , 10, 1881-9	4.9	23
34	Total fertilization failure and molecular abnormalities in metaphase II oocytes. <i>Reproductive BioMedicine Online</i> , <b>2008</b> , 17, 772-81	4	22
33	Distinct transcriptome expression of the temporal cortex of the primate <i>Microcebus murinus</i> during brain aging versus Alzheimer® disease-like pathology. <i>PLoS ONE</i> , <b>2010</b> , 5, e12770	3.7	22
32	Delineation of the roles of paracrine and autocrine interleukin-6 (IL-6) in myeloma cell lines in survival versus cell cycle. A possible model for the cooperation of myeloma cell growth factors. <i>European Cytokine Network</i> , <b>2005</b> , 16, 57-64	3.3	22
31	Input of DNA microarrays to identify novel mechanisms in multiple myeloma biology and therapeutic applications. <i>Clinical Cancer Research</i> , <b>2007</b> , 13, 7289-95	12.9	21
30	Side scatter intensity is highly heterogeneous in undifferentiated pluripotent stem cells and predicts clonogenic self-renewal. <i>Stem Cells and Development</i> , <b>2013</b> , 22, 1851-60	4.4	18
29	Combining DGE and RNA-sequencing data to identify new polyA+ non-coding transcripts in the human genome. <i>Nucleic Acids Research</i> , <b>2014</b> , 42, 2820-32	20.1	16
28	Human induced pluripotent stem cells: A disruptive innovation. <i>Current Research in Translational Medicine</i> , <b>2016</b> , 64, 91-6	3.7	14
27	Lung development, regeneration and plasticity: From disease physiopathology to drug design using induced pluripotent stem cells. <i>Pharmacology &amp; Therapeutics</i> , <b>2018</b> , 183, 58-77	13.9	13
26	Comparison of murine leukemia virus, human immunodeficiency virus, and adeno-associated virus vectors for gene transfer in multiple myeloma: lentiviral vectors demonstrate a striking capacity to transduce low-proliferating primary tumor cells. <i>Human Gene Therapy</i> , <b>2003</b> , 14, 1727-39	4.8	13
25	Repeated 5-day cycles of low dose aldesleukin in amyotrophic lateral sclerosis (IMODALS): A phase 2a randomised, double-blind, placebo-controlled trial. <i>EBioMedicine</i> , <b>2020</b> , 59, 102844	8.8	12
24	Human pluripotent stem cells: from biology to cell therapy. <i>World Journal of Stem Cells</i> , <b>2010</b> , 2, 24-33	5.6	9
23	Quality controls on cord blood unit contiguous segments: recommendation of the SFGM-TC. <i>Pathologie Et Biologie</i> , <b>2014</b> , 62, 218-20		8
22	Expression map of the human exome in CD34+ cells and blood cells: increased alternative splicing in cell motility and immune response genes. <i>PLoS ONE</i> , <b>2010</b> , 5, e8990	3.7	8
21	Induced Pluripotent Stem Cells for Primary Ciliary Dyskinesia Modeling and Personalized Medicine. <i>American Journal of Respiratory Cell and Molecular Biology</i> , <b>2018</b> , 59, 672-683	5.7	8
20	Transcriptome of retrovirally transduced CD8+ lymphocytes: influence of cell activation, transgene integration, and selection process. <i>Molecular Immunology</i> , <b>2008</b> , 45, 1112-25	4.3	7
19	C/EBPA methylation is common in T-ALL but not in M0 AML. <i>Blood</i> , <b>2009</b> , 113, 1864-6; author reply 1866.2		6
18	Targeted therapy in eosinophilic chronic obstructive pulmonary disease. <i>ERJ Open Research</i> , <b>2021</b> , 7,	3.5	6

17	A Multi-Center and Multi-National Program To Assess the Clinical Accuracy of the Molecular Subclassification of Leukemia by Gene Expression Profiling.. <i>Blood</i> , <b>2005</b> , 106, 757-757	2.2	5
16	Generation of the induced pluripotent stem cell line UHOMi001-A from a patient with mutations in CCDC40 gene causing Primary Ciliary Dyskinesia (PCD). <i>Stem Cell Research</i> , <b>2018</b> , 33, 15-19	1.6	5
15	Pipeline for the Generation and Characterization of Transgenic Human Pluripotent Stem Cells Using the CRISPR/Cas9 Technology. <i>Cells</i> , <b>2020</b> , 9,	7.9	4
14	Molecular Classification of Multiple Myeloma (MM) Based on Gene Expression Profiling (GEP) and Fluorescence In Situ Hybridisation (FISH) Is an Independent Predictor for Event Free Survival (EFS).. <i>Blood</i> , <b>2005</b> , 106, 507-507	2.2	2
13	Generation of the induced pluripotent stem cell line UHOMi002-A from peripheral blood mononuclear cells of a healthy male donor. <i>Stem Cell Research</i> , <b>2020</b> , 49, 102037	1.6	2
12	Characterization of immortalized human islet stromal cells reveals a MSC-like profile with pancreatic features. <i>Stem Cell Research and Therapy</i> , <b>2020</b> , 11, 158	8.3	2
11	Induced pluripotent stem cells: An unlimited source of organs for transplantation. <i>Clinics and Research in Hepatology and Gastroenterology</i> , <b>2017</b> , 41, 249-253	2.4	1
10	Infusion of in vivo expanded cord blood lymphocytes: A new strategy to control residual disease?. <i>Current Research in Translational Medicine</i> , <b>2018</b> , 66, 91-93	3.7	1
9	An International Multi-Center Study To Define the Application of Microarrays in the Diagnosis and Subclassification of Leukemia (MILE Study): Interim Analysis Based on 1,889 Patients Achieves 95.4% Prediction Accuracy.. <i>Blood</i> , <b>2006</b> , 108, 103-103	2.2	1
8	Heparanase Influences Expression and Shedding of Syndecan-1, and Its Expression by the Bone Marrow Environment Is a Bad Prognostic Factor in Multiple Myeloma.. <i>Blood</i> , <b>2006</b> , 108, 3502-3502	2.2	1
7	Differentiation of human induced pluripotent stem cells into functional airway epithelium		1
6	Cytokines in Multiple Myeloma <b>2004</b> , 69-91		1
5	Generation of four severe early-onset chronic obstructive pulmonary disease (COPD) patient-derived induced pluripotent stem cell lines from peripheral blood mononuclear cells. <i>Stem Cell Research</i> , <b>2021</b> , 56, 102550	1.6	1
4	Amyotrophic lateral sclerosis transcriptomics reveals immunological effects of low-dose interleukin-2. <i>Brain Communications</i> , <b>2021</b> , 3, fcab141	4.5	1
3	CRISPR/Cas9-mediated gene knockout and interallelic gene conversion in human induced pluripotent stem cells using non-integrative bacteriophage-chimeric retrovirus-like particles.. <i>BMC Biology</i> , <b>2022</b> , 20, 8	7.3	0
2	Dialogue ovocyte-cumulus: concept et applications cliniques <b>2011</b> , 25-33		
1	Les rÉvolutions technologiques : de la prÉdiction au ciblage thÉrapeutique. <i>Revue Des Maladies Respiratoires Actualites</i> , <b>2020</b> , 12, S55-S57	0	