C Ellen Van Der Schoot

List of Publications by Year
in descending order

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114 papers	7,044 citations	71102 41 h-index	62596 80 g-index
119 all docs	119 docs citations	119 times ranked	11920 citing authors

#	Article	IF	Citations
1	Recommendation for validation and quality assurance of nonâ€invasive prenatal testing for foetal blood groups and implications for <scp>IVD</scp> risk classification according to <scp>EU</scp> regulations. Vox Sanguinis, 2022, 117, 157-165.	1.5	7
2	Immunoassay for quantification of antigen-specific IgG fucosylation. EBioMedicine, 2022, 81, 104109.	6.1	7
3	Rh disease prevention: the European Perspective. ISBT Science Series, 2021, 16, 106-118.	1.1	6
4	Afucosylated IgG characterizes enveloped viral responses and correlates with COVID-19 severity. Science, 2021, 371, .	12.6	244
5	SMIM1 missense mutations exert their effect on wild type Vel expression late in erythroid differentiation. Transfusion, 2021, 61, 236-245.	1.6	3
6	Specific and Sensitive Detection of Neuroblastoma mRNA Markers by Multiplex RT-qPCR. Cancers, 2021, 13, 150.	3.7	13
7	C-Reactive Protein Enhances IgG-Mediated Cellular Destruction Through IgG-Fc Receptors in vitro. Frontiers in Immunology, 2021, 12, 594773.	4.8	9
8	Potential Diagnostic Approaches for Prediction of Therapeutic Responses in Immune Thrombocytopenia. Journal of Clinical Medicine, 2021, 10, 3403.	2.4	12
9	Improving Risk Stratification for Pediatric Patients with Rhabdomyosarcoma by Molecular Detection of Disseminated Disease. Clinical Cancer Research, 2021, 27, 5576-5585.	7.0	13
10	Fc Galactosylation Promotes Hexamerization of Human IgG1, Leading to Enhanced Classical Complement Activation. Journal of Immunology, 2021, 207, 1545-1554.	0.8	56
11	Clinical characteristics of human platelet antigen (HPA)â€1a and HPAâ€5b alloimmunised pregnancies and the association between platelet HPAâ€5b antibodies and symptomatic fetal neonatal alloimmune thrombocytopenia. British Journal of Haematology, 2021, 195, 595-603.	2.5	9
12	Afucosylated Plasmodium falciparum-specific IgG is induced by infection but not by subunit vaccination. Nature Communications, 2021, 12, 5838.	12.8	36
13	Combining Hypermethylated RASSF1A Detection Using ddPCR with miR-371a-3p Testing: An Improved Panel of Liquid Biopsy Biomarkers for Testicular Germ Cell Tumor Patients. Cancers, 2021, 13, 5228.	3.7	18
14	Novel Circulating Hypermethylated RASSF1A ddPCR for Liquid Biopsies in Patients With Pediatric Solid Tumors. JCO Precision Oncology, 2021, 5, 1738-1748.	3.0	13
15	A functional spleen contributes to afucosylated IgG in humans. Scientific Reports, 2021, 11, 24045.	3.3	4
16	HIP (HPA-screening in pregnancy) study: protocol of a nationwide, prospective and observational study to assess incidence and natural history of fetal/neonatal alloimmune thrombocytopenia and identifying pregnancies at risk. BMJ Open, 2020, 10, e034071.	1.9	6
17	Biological and structural characterization of murine TRALI antibody reveals increased Fc-mediated complement activation. Blood Advances, 2020, 4, 3875-3885.	5.2	8
18	The Metastatic Bone Marrow Niche in Neuroblastoma: Altered Phenotype and Function of Mesenchymal Stromal Cells. Cancers, 2020, 12, 3231.	3.7	14

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19	IgG-Fc glycosylation before and after rituximab treatment in immune thrombocytopenia. Scientific Reports, 2020, 10, 3051.	3.3	12
20	Antiâ€platelet antibodies in childhood immune thrombocytopenia: Prevalence and prognostic implications. Journal of Thrombosis and Haemostasis, 2020, 18, 1210-1220.	3.8	13
21	Hypermethylated RASSF1A as Circulating Tumor DNA Marker for Disease Monitoring in Neuroblastoma. JCO Precision Oncology, 2020, 4, 291-306.	3.0	14
22	Fast and lowâ€cost direct ELISA for highâ€throughput serological HPAâ€1a typing. Transfusion, 2019, 59, 2989-2996.	1.6	4
23	Mesenchymal Neuroblastoma Cells Are Undetected by Current mRNA Marker Panels: The Development of a Specific Neuroblastoma Mesenchymal Minimal Residual Disease Panel. JCO Precision Oncology, 2019, 3, 1-11.	3.0	17
24	Development of a recombinant antiâ€Vel immunoglobulin M to identify Velâ€negative donors. Transfusion, 2019, 59, 1359-1366.	1.6	6
25	Associations between single nucleotide polymorphisms and erythrocyte parameters in humans: A systematic literature review. Mutation Research - Reviews in Mutation Research, 2019, 779, 58-67.	5.5	10
26	Identification of a novel singleâ€nucleotide mutation in SMIM1 gene that results in low Vel antigen expression. Transfusion, 2019, 59, E8-E10.	1.6	2
27	Reduced FcRn-mediated transcytosis of IgG2 due to a missing Glycine in its lower hinge. Scientific Reports, 2019, 9, 7363.	3.3	21
28	Extensive Ethnic Variation and Linkage Disequilibrium at the FCGR2/3 Locus: Different Genetic Associations Revealed in Kawasaki Disease. Frontiers in Immunology, 2019, 10, 185.	4.8	43
29	Transient and chronic childhood immune thrombocytopenia are distinctly affected by Fc-Î³ receptor polymorphisms. Blood Advances, 2019, 3, 2003-2012.	5.2	14
30	Peripheral Stem Cell Apheresis is Feasible Post 131Iodine-Metaiodobenzylguanidine-Therapy in High-Risk Neuroblastoma, but Results in Delayed Platelet Reconstitution. Clinical Cancer Research, 2019, 25, 1012-1021.	7.0	7
31	Multiplex blood group typing by cellular surface plasmon resonance imaging. Transfusion, 2019, 59, 754-761.	1.6	16
32	A variant RhAG protein encoded by theRHAG*572Aallele causes serological weak D expression while maintaining normal RhCE phenotypes. Transfusion, 2019, 59, 405-411.	1.6	7
33	Human IgG lacking effector functions demonstrate lower FcRn-binding and reduced transplacental transport. Molecular Immunology, 2018, 95, 1-9.	2.2	15
34	A Conceptual Framework for Optimizing Blood Matching Strategies: Balancing Patient Complications Against Total Costs Incurred. Frontiers in Medicine, 2018, 5, 199.	2.6	9
35	Noninvasive Fetal Blood Group Typing. , 2018, , 125-156.		10
36	TGFBI Expressed by Bone Marrow Niche Cells and Hematopoietic Stem and Progenitor Cells Regulates Hematopoiesis. Stem Cells and Development, 2018, 27, 1494-1506.	2.1	15

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37	Predicting anti-RhD titers in donors: Boostering response and decline rates are personal. PLoS ONE, 2018, 13, e0196382.	2.5	1
38	Fc-Glycosylation in Human IgG1 and IgG3 Is Similar for Both Total and Anti-Red-Blood Cell Anti-K Antibodies. Frontiers in Immunology, 2018, 9, 129.	4.8	23
39	Gene-expression-based monocyte-specific clustering of acute myeloid leukemias reveals novel associations. Leukemia and Lymphoma, 2017, 58, 1721-1725.	1.3	0
40	RhIg-prophylaxis is not influenced by FCGR2/3 polymorphisms involved in red blood cell clearance. Blood, 2017, 129, 1045-1048.	1.4	12
41	Genotyping to prevent Rh disease. Current Opinion in Hematology, 2017, 24, 544-550.	2.5	30
42	Patients with IgG1-anti-red blood cell autoantibodies show aberrant Fc-glycosylation. Scientific Reports, 2017, 7, 8187.	3.3	27
43	Antigen specificity determines antiâ€red blood cell IgGâ€Fc alloantibody glycosylation and thereby severity of haemolytic disease of the fetus and newborn. British Journal of Haematology, 2017, 176, 651-660.	2.5	50
44	Fetal RHD genotyping after bone marrow transplantation. Transfusion, 2016, 56, 2122-2126.	1.6	1
45	Glycosylation pattern of antiâ€platelet IgG is stable during pregnancy and predicts clinical outcome in alloimmune thrombocytopenia. British Journal of Haematology, 2016, 174, 310-320.	2.5	83
46	Different Balance of Wnt Signaling in Adult and Fetal Bone Marrow-Derived Mesenchymal Stromal Cells. Stem Cells and Development, 2016, 25, 934-947.	2.1	14
47	Frequency and characterization of known and novel RHD variant alleles in 37Â782 Dutch Dâ€negative pregnant women. British Journal of Haematology, 2016, 173, 469-479.	2.5	25
48	Identification of a novel frequentRHCE*ce308Tvariant allele in Chinese Dâ€“ individuals, resulting in a C+câ€“ phenotype. Transfusion, 2016, 56, 2314-2321.	1.6	2
49	Factors contributing to the pathogenesis of IgGâ€mediated alloimmune disease. ISBT Science Series, 2016, 11, 126-132.	1.1	0
50	Sensitivity of fetalRHDscreening for safe guidance of targeted anti-D immunoglobulin prophylaxis: prospective cohort study of a nationwide programme in the Netherlands. BMJ, The, 2016, 355, i5789.	6.0	63
51	Neuroblastoma messenger RNA is frequently detected in bone marrow at diagnosis of localised neuroblastoma patients. European Journal of Cancer, 2016, 54, 149-158.	2.8	10
52	The Elements Steering Pathogenesis in IgG-Mediated Alloimmune Diseases. Journal of Clinical Immunology, 2016, 36, 76-81.	3.8	7
53	C-reactive protein enhances IgG-mediated phagocyte responses and thrombocytopenia. Blood, 2015, 125, 1793-1802.	1.4	74
54	Impact of genetic variation in the SMIM1 gene on Vel expression levels. Transfusion, 2015, 55, 1457-1466.	1.6	22

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55	Minimal residual disease detection in autologous stem cell grafts from patients with high risk neuroblastoma. Pediatric Blood and Cancer, 2015, 62, 1368-1373.	1.5	22
56	Prophylactic antiâ€<scp>D</scp> preparations display variable decreases in <scp>F</scp>câ€fucosylation of antiâ€<scp>D</scp>. Transfusion, 2015, 55, 553-562.	1.6	45
57	Fine-Scale Mapping of the 5q11.2 Breast Cancer Locus Reveals at Least Three Independent Risk Variants Regulating MAP3K1. American Journal of Human Genetics, 2015, 96, 5-20.	6.2	76
58	Whole-Genome Sequencing Identifies Patient-Specific DNA Minimal Residual Disease Markers in Neuroblastoma. Journal of Molecular Diagnostics, 2015, 17, 43-52.	2.8	19
59	Multiplex ligation-dependent probe amplification (MLPA) assay for blood group genotyping, copy number quantification, and analysis of RH variants. Immunohematology, 2015, 31, 58-61.	0.2	11
60	On the Perplexingly Low Rate of Transport of IgG2 across the Human Placenta. PLoS ONE, 2014, 9, e108319.	2.5	32
61	The Majority of Human Memory B Cells Recognizing RhD and Tetanus Resides in IgM+ B Cells. Journal of Immunology, 2014, 193, 1071-1079.	0.8	34
62	<scp>H</scp>435â€containing immunoglobulinâ€‰<scp>G</scp>3 allotypes are transported efficiently across the human placenta: implications for alloantibodyâ€mediated diseases of the newborn. Transfusion, 2014, 54, 665-671.	1.6	43
63	Low antiâ€<scp>R</scp>h<scp>D I</scp>g<scp>G</scp>â€<scp>F</scp>câ€fucosylation in pregnancy: a new variable predicting severity in haemolytic disease of the fetus and newborn. British Journal of Haematology, 2014, 166, 936-945.	2.5	109
64	MEIS1 regulates early erythroid and megakaryocytic cell fate. Haematologica, 2014, 99, 1555-1564.	3.5	28
65	Molecular typing of human platelet and neutrophil antigens (HPA and HNA). Transfusion and Apheresis Science, 2014, 50, 189-199.	1.0	23
66	Functional platelet defects in children with severe chronic ITP as tested with 2 novel assays applicable for low platelet counts. Blood, 2014, 123, 1556-1563.	1.4	46
67	A prominent lack of IgG1-Fc fucosylation of platelet alloantibodies in pregnancy. Blood, 2014, 123, 471-480.	1.4	187
68	Multiple independent variants at the TERT locus are associated with telomere length and risks of breast and ovarian cancer. Nature Genetics, 2013, 45, 371-384.	21.4	493
69	Comparison of the Fc glycosylation of fetal and maternal immunoglobulin G. Glycoconjugate Journal, 2013, 30, 147-157.	2.7	76
70	Large-scale genotyping identifies 41 new loci associated with breast cancer risk. Nature Genetics, 2013, 45, 353-361.	21.4	960
71	SMIM1 underlies the Vel blood group and influences red blood cell traits. Nature Genetics, 2013, 45, 542-545.	21.4	96
72	<scp>RHD</scp> and <scp>RHCE</scp> variant and zygosity genotyping via multiplex ligationâ€“dependent probe amplification. Transfusion, 2013, 53, 1559-1574.	1.6	50

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73	Noninvasive prenatal blood group and <scp>HPA</scp>â€1a genotyping: the current <scp>E</scp>uropean experience. Transfusion, 2013, 53, 2834-2836.	1.6	9
74	BIGH3 modulates adhesion and migration of hematopoietic stem and progenitor cells. Cell Adhesion and Migration, 2013, 7, 434-449.	2.7	25
75	Nuclear ReceptorsNur77andNurr1Modulate Mesenchymal Stromal Cell Migration. Stem Cells and Development, 2012, 21, 228-238.	2.1	56
76	Methylated RASSF1a Is the First Specific DNA Marker for Minimal Residual Disease Testing in Neuroblastoma. Clinical Cancer Research, 2012, 18, 808-814.	7.0	30
77	The composition of the mesenchymal stromal cell compartment in human bone marrow changes during development and aging. Haematologica, 2012, 97, 179-183.	3.5	89
78	A proinflammatory monocyte response is associated with myocardial injury and impaired functional outcome in patients with ST-segment elevation myocardial infarction. American Heart Journal, 2012, 163, 57-65.e2.	2.7	103
79	Mesenchymal Stromal Cell Migration: Possibilities to Improve Cellular Therapy. Stem Cells and Development, 2012, 21, 19-29.	2.1	80
80	Stability of PCR Targets for Monitoring Minimal Residual Disease in Neuroblastoma. Journal of Molecular Diagnostics, 2012, 14, 168-175.	2.8	18
81	Pediatric Neuroblastoma: Molecular Detection of Minimal Residual Disease. Pediatric Cancer, 2012, , 47-63.	0.0	0
82	Competition for FcRn-mediated transport gives rise to short half-life of human IgG3 and offers therapeutic potential. Nature Communications, 2011, 2, 599.	12.8	220
83	New gene functions in megakaryopoiesis and platelet formation. Nature, 2011, 480, 201-208.	27.8	401
84	The controversy about controls for fetal blood group genotyping by cell-free fetal DNA in maternal plasma. Current Opinion in Hematology, 2011, 18, 467-473.	2.5	36
85	Cell cycle and tissue of origin contribute to the migratory behaviour of human fetal and adult mesenchymal stromal cells. British Journal of Haematology, 2010, 148, 428-440.	2.5	30
86	Reliability of Fetal Sex Determination Using Maternal Plasma. Obstetrics and Gynecology, 2010, 115, 117-126.	2.4	87
87	Detecting Minimal Residual Disease in Neuroblastoma: The Superiority of a Panel of Real-Time Quantitative PCR Markers. Clinical Chemistry, 2009, 55, 1316-1326.	3.2	65
88	Will Genotyping Replace Serology in Future Routine Blood Grouping? – Opinion 5. Transfusion Medicine and Hemotherapy, 2009, 36, 234-235.	1.6	7
89	A HaemAtlas: characterizing gene expression in differentiated human blood cells. Blood, 2009, 113, e1-e9.	1.4	215
90	SAFEâ€"The Special Nonâ€invasive Advances in Fetal and Neonatal Evaluation Network: aims and achievements. Prenatal Diagnosis, 2008, 28, 83-88.	2.3	46

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91	One single dose of 200â€ƒÎ¼g of antenatal RhIG halves the risk of antiâ€Ð immunization and hemolytic disease of the fetus and newborn in the next pregnancy. Transfusion, 2008, 48, 1721-1729.	1.6	88
92	Non-invasive prenatal diagnosis and determination of fetal Rh status. Seminars in Fetal and Neonatal Medicine, 2008, 13, 63-68.	2.3	81
93	PHOX2B Is a Novel and Specific Marker for Minimal Residual Disease Testing in Neuroblastoma. Journal of Clinical Oncology, 2008, 26, 5443-5449.	1.6	83
94	Recovery and functional activity of mononuclear bone marrow and peripheral blood cells after different cell isolation protocols used in clinical trials for cell therapy after acute myocardial infarction. EuroIntervention, 2008, 4, 133-138.	3.2	29
95	Comparative gene expression profiling of in vitro differentiated megakaryocytes and erythroblasts identifies novel activatory and inhibitory platelet membrane proteins. Blood, 2007, 109, 3260-3269.	1.4	153
96	Evaluation of prenatal RHD typing strategies on cell-free fetal DNA from maternal plasma. Transfusion, 2006, 46, 2142-2148.	1.6	46
97	The restricted use of IGHV3 superspecies genes in anti-Rh is not limited to hyperimmunized anti-D donors. Transfusion, 2006, 46, 2162-2168.	1.6	10
98	Use of Biâ€Allelic Insertion/Deletion Polymorphisms as a Positive Control for Fetal Genotyping in Maternal Blood. Annals of the New York Academy of Sciences, 2006, 1075, 123-129.	3.8	48
99	Noninvasive Prenatal Diagnosis of Fetal Rhesus D. Obstetrics and Gynecology, 2005, 106, 841-844.	2.4	95
100	The highly variable RH locus in nonwhite persons hampers RHD zygosity determination but yields more insight into RH-related evolutionary events. Transfusion, 2005, 45, 327-337.	1.6	44
101	Rapid genotyping of blood group antigens by multiplex polymerase chain reaction and DNA microarray hybridization. Transfusion, 2005, 45, 667-679.	1.6	100
102	Production of recombinant Ig molecules from antigen-selected single B cells and restricted usage of Ig-gene segments by anti-D antibodies. Journal of Immunological Methods, 2005, 298, 9-20.	1.4	28
103	Clinical Applications of Cell-Free Fetal DNA From Maternal Plasma. Obstetrics and Gynecology, 2004, 103, 157-164.	2.4	87
104	Cell-Free Fetal DNA Is Not Present in Plasma of Nonpregnant Mothers. Clinical Chemistry, 2004, 50, 679-681.	3.2	23
105	Prenatal typing of Rh and kell blood group system antigens: The edge of a watershed. Transfusion Medicine Reviews, 2003, 17, 31-44.	2.0	119
106	Leukocyte-Endothelium Interaction Promotes SDF-1-dependent Polarization of CXCR4. Journal of Biological Chemistry, 2003, 278, 30302-30310.	3.4	85
107	Migration of Human Hematopoietic Progenitor Cells Across Bone Marrow Endothelium Is Regulated by Vascular Endothelial Cadherin. Journal of Immunology, 2002, 168, 588-596.	0.8	93
108	RHC and RHc genotyping in different ethnic groups. Transfusion, 2002, 42, 634-644.	1.6	39

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109	Fetal Sex Determination From Maternal Plasma in Pregnancies at Risk for Congenital Adrenal Hyperplasia. Obstetrics and Gynecology, 2001, 98, 374-378.	2.4	80
110	Neutrophil Antigens, from Bench to Bedside. Immunological Investigations, 1995, 24, 245-272.	2.0	4
111	B precursor acute lymphoblastic leukemia third complementarity-determining regions predominantly represent an unbiased recombination repertoire: Leukemic transformation frequently occurs in fetal life. European Journal of Immunology, 1994, 24, 900-908.	2.9	57
112	Monoclonal antibodies against myeloperoxidase are valuable immunological reagents for the diagnosis of acute myeloid leukaemia. British Journal of Haematology, 1990, 74, 173-178.	2.5	68
113	The Pi-linked receptor FcRIII is released on stimulation of neutrophils. Nature, 1988, 333, 667-669.	27.8	395
114	Characterization of platelet-specific alloantigens by immimoblotting: localization of Zw and Bak antigens. British Journal of Haematology, 1986, 64, 715-723.	2.5	38