

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	Large-scale genotyping identifies 41 new loci associated with breast cancer risk. <i>Nature Genetics</i> , 2013, 45, 353-361.	21.4	960
2	Multiple independent variants at the TERT locus are associated with telomere length and risks of breast and ovarian cancer. <i>Nature Genetics</i> , 2013, 45, 371-384.	21.4	493
3	New gene functions in megakaryopoiesis and platelet formation. <i>Nature</i> , 2011, 480, 201-208.	27.8	401
4	The Pi-linked receptor FcRIII is released on stimulation of neutrophils. <i>Nature</i> , 1988, 333, 667-669.	27.8	395
5	Afucosylated IgG characterizes enveloped viral responses and correlates with COVID-19 severity. <i>Science</i> , 2021, 371, .	12.6	244
6	Competition for FcRn-mediated transport gives rise to short half-life of human IgG3 and offers therapeutic potential. <i>Nature Communications</i> , 2011, 2, 599.	12.8	220
7	A HaemAtlas: characterizing gene expression in differentiated human blood cells. <i>Blood</i> , 2009, 113, e1-e9.	1.4	215
8	A prominent lack of IgG1-Fc fucosylation of platelet alloantibodies in pregnancy. <i>Blood</i> , 2014, 123, 471-480.	1.4	187
9	Comparative gene expression profiling of in vitro differentiated megakaryocytes and erythroblasts identifies novel activatory and inhibitory platelet membrane proteins. <i>Blood</i> , 2007, 109, 3260-3269.	1.4	153
10	Prenatal typing of Rh and kell blood group system antigens: The edge of a watershed. <i>Transfusion Medicine Reviews</i> , 2003, 17, 31-44.	2.0	119
11	Low anti-hD IgG fucosylation in pregnancy: a new variable predicting severity in haemolytic disease of the fetus and newborn. <i>British Journal of Haematology</i> , 2014, 166, 936-945.	2.5	109
12	A proinflammatory monocyte response is associated with myocardial injury and impaired functional outcome in patients with ST-segment elevation myocardial infarction. <i>American Heart Journal</i> , 2012, 163, 57-65.e2.	2.7	103
13	Rapid genotyping of blood group antigens by multiplex polymerase chain reaction and DNA microarray hybridization. <i>Transfusion</i> , 2005, 45, 667-679.	1.6	100
14	SMIM1 underlies the Vel blood group and influences red blood cell traits. <i>Nature Genetics</i> , 2013, 45, 542-545.	21.4	96
15	Noninvasive Prenatal Diagnosis of Fetal Rhesus D. <i>Obstetrics and Gynecology</i> , 2005, 106, 841-844.	2.4	95
16	Migration of Human Hematopoietic Progenitor Cells Across Bone Marrow Endothelium Is Regulated by Vascular Endothelial Cadherin. <i>Journal of Immunology</i> , 2002, 168, 588-596.	0.8	93
17	The composition of the mesenchymal stromal cell compartment in human bone marrow changes during development and aging. <i>Haematologica</i> , 2012, 97, 179-183.	3.5	89
18	One single dose of 200µg of antenatal RhIG halves the risk of anti-D immunization and hemolytic disease of the fetus and newborn in the next pregnancy. <i>Transfusion</i> , 2008, 48, 1721-1729.	1.6	88

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19	Clinical Applications of Cell-Free Fetal DNA From Maternal Plasma. <i>Obstetrics and Gynecology</i> , 2004, 103, 157-164.	2.4	87
20	Reliability of Fetal Sex Determination Using Maternal Plasma. <i>Obstetrics and Gynecology</i> , 2010, 115, 117-126.	2.4	87
21	Leukocyte-Endothelium Interaction Promotes SDF-1-dependent Polarization of CXCR4. <i>Journal of Biological Chemistry</i> , 2003, 278, 30302-30310.	3.4	85
22	<i>PHOX2B</i> Is a Novel and Specific Marker for Minimal Residual Disease Testing in Neuroblastoma. <i>Journal of Clinical Oncology</i> , 2008, 26, 5443-5449.	1.6	83
23	Glycosylation pattern of antiplatelet IgG is stable during pregnancy and predicts clinical outcome in alloimmune thrombocytopenia. <i>British Journal of Haematology</i> , 2016, 174, 310-320.	2.5	83
24	Non-invasive prenatal diagnosis and determination of fetal Rh status. <i>Seminars in Fetal and Neonatal Medicine</i> , 2008, 13, 63-68.	2.3	81
25	Fetal Sex Determination From Maternal Plasma in Pregnancies at Risk for Congenital Adrenal Hyperplasia. <i>Obstetrics and Gynecology</i> , 2001, 98, 374-378.	2.4	80
26	Mesenchymal Stromal Cell Migration: Possibilities to Improve Cellular Therapy. <i>Stem Cells and Development</i> , 2012, 21, 19-29.	2.1	80
27	Comparison of the Fc glycosylation of fetal and maternal immunoglobulin G. <i>Glycoconjugate Journal</i> , 2013, 30, 147-157.	2.7	76
28	Fine-Scale Mapping of the 5q11.2 Breast Cancer Locus Reveals at Least Three Independent Risk Variants Regulating MAP3K1. <i>American Journal of Human Genetics</i> , 2015, 96, 5-20.	6.2	76
29	C-reactive protein enhances IgG-mediated phagocyte responses and thrombocytopenia. <i>Blood</i> , 2015, 125, 1793-1802.	1.4	74
30	Monoclonal antibodies against myeloperoxidase are valuable immunological reagents for the diagnosis of acute myeloid leukaemia. <i>British Journal of Haematology</i> , 1990, 74, 173-178.	2.5	68
31	Detecting Minimal Residual Disease in Neuroblastoma: The Superiority of a Panel of Real-Time Quantitative PCR Markers. <i>Clinical Chemistry</i> , 2009, 55, 1316-1326.	3.2	65
32	Sensitivity of fetal RHD screening for safe guidance of targeted anti-D immunoglobulin prophylaxis: prospective cohort study of a nationwide programme in the Netherlands. <i>BMJ</i> , The, 2016, 355, i5789.	6.0	63
33	B precursor acute lymphoblastic leukemia third complementarity-determining regions predominantly represent an unbiased recombination repertoire: Leukemic transformation frequently occurs in fetal life. <i>European Journal of Immunology</i> , 1994, 24, 900-908.	2.9	57
34	Nuclear Receptors <i>Nur77</i> and <i>Nurr1</i> Modulate Mesenchymal Stromal Cell Migration. <i>Stem Cells and Development</i> , 2012, 21, 228-238.	2.1	56
35	Fc Galactosylation Promotes Hexamerization of Human IgG1, Leading to Enhanced Classical Complement Activation. <i>Journal of Immunology</i> , 2021, 207, 1545-1554.	0.8	56
36	<i>RHD</i> and <i>RHCE</i> variant and zygosity genotyping via multiplex ligation-dependent probe amplification. <i>Transfusion</i> , 2013, 53, 1559-1574.	1.6	50

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37	Antigen specificity determines anti-red blood cell IgG-Fc alloantibody glycosylation and thereby severity of haemolytic disease of the fetus and newborn. <i>British Journal of Haematology</i> , 2017, 176, 651-660.	2.5	50
38	Use of Bi-Allelic Insertion/Deletion Polymorphisms as a Positive Control for Fetal Genotyping in Maternal Blood. <i>Annals of the New York Academy of Sciences</i> , 2006, 1075, 123-129.	3.8	48
39	Evaluation of prenatal RHD typing strategies on cell-free fetal DNA from maternal plasma. <i>Transfusion</i> , 2006, 46, 2142-2148.	1.6	46
40	SAFE-The Special Non-Invasive Advances in Fetal and Neonatal Evaluation Network: aims and achievements. <i>Prenatal Diagnosis</i> , 2008, 28, 83-88.	2.3	46
41	Functional platelet defects in children with severe chronic ITP as tested with 2 novel assays applicable for low platelet counts. <i>Blood</i> , 2014, 123, 1556-1563.	1.4	46
42	Prophylactic anti-D preparations display variable decreases in Fc-fucosylation of anti-D. <i>Transfusion</i> , 2015, 55, 553-562.	1.6	45
43	The highly variable RH locus in nonwhite persons hampers RHD zygosity determination but yields more insight into RH-related evolutionary events. <i>Transfusion</i> , 2005, 45, 327-337.	1.6	44
44	H435-containing immunoglobulin%G3 allotypes are transported efficiently across the human placenta: implications for alloantibody-mediated diseases of the newborn. <i>Transfusion</i> , 2014, 54, 665-671.	1.6	43
45	Extensive Ethnic Variation and Linkage Disequilibrium at the FCGR2/3 Locus: Different Genetic Associations Revealed in Kawasaki Disease. <i>Frontiers in Immunology</i> , 2019, 10, 185.	4.8	43
46	RHC and RHc genotyping in different ethnic groups. <i>Transfusion</i> , 2002, 42, 634-644.	1.6	39
47	Characterization of platelet-specific alloantigens by immimoblotting: localization of Zw and Bak antigens. <i>British Journal of Haematology</i> , 1986, 64, 715-723.	2.5	38
48	The controversy about controls for fetal blood group genotyping by cell-free fetal DNA in maternal plasma. <i>Current Opinion in Hematology</i> , 2011, 18, 467-473.	2.5	36
49	Afucosylated Plasmodium falciparum-specific IgG is induced by infection but not by subunit vaccination. <i>Nature Communications</i> , 2021, 12, 5838.	12.8	36
50	The Majority of Human Memory B Cells Recognizing RhD and Tetanus Resides in IgM+ B Cells. <i>Journal of Immunology</i> , 2014, 193, 1071-1079.	0.8	34
51	On the Perplexingly Low Rate of Transport of IgG2 across the Human Placenta. <i>PLoS ONE</i> , 2014, 9, e108319.	2.5	32
52	Cell cycle and tissue of origin contribute to the migratory behaviour of human fetal and adult mesenchymal stromal cells. <i>British Journal of Haematology</i> , 2010, 148, 428-440.	2.5	30
53	Methylated RASSF1a is the First Specific DNA Marker for Minimal Residual Disease Testing in Neuroblastoma. <i>Clinical Cancer Research</i> , 2012, 18, 808-814.	7.0	30
54	Genotyping to prevent Rh disease. <i>Current Opinion in Hematology</i> , 2017, 24, 544-550.	2.5	30

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55	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. <i>EuroIntervention</i> , 2008, 4, 133-138.	3.2	29
56	Production of recombinant Ig molecules from antigen-selected single B cells and restricted usage of Ig-gene segments by anti-D antibodies. <i>Journal of Immunological Methods</i> , 2005, 298, 9-20.	1.4	28
57	MEIS1 regulates early erythroid and megakaryocytic cell fate. <i>Haematologica</i> , 2014, 99, 1555-1564.	3.5	28
58	Patients with IgG1-anti-red blood cell autoantibodies show aberrant Fc-glycosylation. <i>Scientific Reports</i> , 2017, 7, 8187.	3.3	27
59	BIGH3 modulates adhesion and migration of hematopoietic stem and progenitor cells. <i>Cell Adhesion and Migration</i> , 2013, 7, 434-449.	2.7	25
60	Frequency and characterization of known and novel <i>RHD</i> variant alleles in 37,782 Dutch Rh-negative pregnant women. <i>British Journal of Haematology</i> , 2016, 173, 469-479.	2.5	25
61	Cell-Free Fetal DNA Is Not Present in Plasma of Nonpregnant Mothers. <i>Clinical Chemistry</i> , 2004, 50, 679-681.	3.2	23
62	Molecular typing of human platelet and neutrophil antigens (HPA and HNA). <i>Transfusion and Apheresis Science</i> , 2014, 50, 189-199.	1.0	23
63	Fc-Glycosylation in Human IgG1 and IgG3 Is Similar for Both Total and Anti-Red-Blood Cell Anti-K Antibodies. <i>Frontiers in Immunology</i> , 2018, 9, 129.	4.8	23
64	Impact of genetic variation in the <i>SMIM1</i> gene on <i>Vel</i> expression levels. <i>Transfusion</i> , 2015, 55, 1457-1466.	1.6	22
65	Minimal residual disease detection in autologous stem cell grafts from patients with high risk neuroblastoma. <i>Pediatric Blood and Cancer</i> , 2015, 62, 1368-1373.	1.5	22
66	Reduced FcRn-mediated transcytosis of IgG2 due to a missing Glycine in its lower hinge. <i>Scientific Reports</i> , 2019, 9, 7363.	3.3	21
67	Whole-Genome Sequencing Identifies Patient-Specific DNA Minimal Residual Disease Markers in Neuroblastoma. <i>Journal of Molecular Diagnostics</i> , 2015, 17, 43-52.	2.8	19
68	Stability of PCR Targets for Monitoring Minimal Residual Disease in Neuroblastoma. <i>Journal of Molecular Diagnostics</i> , 2012, 14, 168-175.	2.8	18
69	Combining Hypermethylated RASSF1A Detection Using ddPCR with miR-371a-3p Testing: An Improved Panel of Liquid Biopsy Biomarkers for Testicular Germ Cell Tumor Patients. <i>Cancers</i> , 2021, 13, 5228.	3.7	18
70	Mesenchymal Neuroblastoma Cells Are Undetected by Current mRNA Marker Panels: The Development of a Specific Neuroblastoma Mesenchymal Minimal Residual Disease Panel. <i>JCO Precision Oncology</i> , 2019, 3, 1-11.	3.0	17
71	Multiplex blood group typing by cellular surface plasmon resonance imaging. <i>Transfusion</i> , 2019, 59, 754-761.	1.6	16
72	Human IgG lacking effector functions demonstrate lower FcRn-binding and reduced transplacental transport. <i>Molecular Immunology</i> , 2018, 95, 1-9.	2.2	15

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73	TGFBI Expressed by Bone Marrow Niche Cells and Hematopoietic Stem and Progenitor Cells Regulates Hematopoiesis. <i>Stem Cells and Development</i> , 2018, 27, 1494-1506.	2.1	15
74	Different Balance of Wnt Signaling in Adult and Fetal Bone Marrow-Derived Mesenchymal Stromal Cells. <i>Stem Cells and Development</i> , 2016, 25, 934-947.	2.1	14
75	Transient and chronic childhood immune thrombocytopenia are distinctly affected by Fc- γ 3 receptor polymorphisms. <i>Blood Advances</i> , 2019, 3, 2003-2012.	5.2	14
76	The Metastatic Bone Marrow Niche in Neuroblastoma: Altered Phenotype and Function of Mesenchymal Stromal Cells. <i>Cancers</i> , 2020, 12, 3231.	3.7	14
77	Hypermethylated <i>RASSF1A</i> as Circulating Tumor DNA Marker for Disease Monitoring in Neuroblastoma. <i>JCO Precision Oncology</i> , 2020, 4, 291-306.	3.0	14
78	Anti-platelet antibodies in childhood immune thrombocytopenia: Prevalence and prognostic implications. <i>Journal of Thrombosis and Haemostasis</i> , 2020, 18, 1210-1220.	3.8	13
79	Specific and Sensitive Detection of Neuroblastoma mRNA Markers by Multiplex RT-qPCR. <i>Cancers</i> , 2021, 13, 150.	3.7	13
80	Improving Risk Stratification for Pediatric Patients with Rhabdomyosarcoma by Molecular Detection of Disseminated Disease. <i>Clinical Cancer Research</i> , 2021, 27, 5576-5585.	7.0	13
81	Novel Circulating Hypermethylated <i>RASSF1A</i> ddPCR for Liquid Biopsies in Patients With Pediatric Solid Tumors. <i>JCO Precision Oncology</i> , 2021, 5, 1738-1748.	3.0	13
82	RhIg-prophylaxis is not influenced by FCGR2/3 polymorphisms involved in red blood cell clearance. <i>Blood</i> , 2017, 129, 1045-1048.	1.4	12
83	IgG-Fc glycosylation before and after rituximab treatment in immune thrombocytopenia. <i>Scientific Reports</i> , 2020, 10, 3051.	3.3	12
84	Potential Diagnostic Approaches for Prediction of Therapeutic Responses in Immune Thrombocytopenia. <i>Journal of Clinical Medicine</i> , 2021, 10, 3403.	2.4	12
85	Multiplex ligation-dependent probe amplification (MLPA) assay for blood group genotyping, copy number quantification, and analysis of <i>RH</i> variants. <i>Immunohematology</i> , 2015, 31, 58-61.	0.2	11
86	The restricted use of IGHV3 superspecies genes in anti-Rh is not limited to hyperimmunized anti-D donors. <i>Transfusion</i> , 2006, 46, 2162-2168.	1.6	10
87	Neuroblastoma messenger RNA is frequently detected in bone marrow at diagnosis of localised neuroblastoma patients. <i>European Journal of Cancer</i> , 2016, 54, 149-158.	2.8	10
88	Noninvasive Fetal Blood Group Typing. , 2018, , 125-156.		10
89	Associations between single nucleotide polymorphisms and erythrocyte parameters in humans: A systematic literature review. <i>Mutation Research - Reviews in Mutation Research</i> , 2019, 779, 58-67.	5.5	10
90	Noninvasive prenatal blood group and <i>HPA</i> genotyping: the current European experience. <i>Transfusion</i> , 2013, 53, 2834-2836.	1.6	9

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91	A Conceptual Framework for Optimizing Blood Matching Strategies: Balancing Patient Complications Against Total Costs Incurred. <i>Frontiers in Medicine</i> , 2018, 5, 199.	2.6	9
92	C-Reactive Protein Enhances IgG-Mediated Cellular Destruction Through IgG-Fc Receptors in vitro. <i>Frontiers in Immunology</i> , 2021, 12, 594773.	4.8	9
93	Clinical characteristics of human platelet antigen (HPA)â€¹a and HPAâ€½b alloimmunised pregnancies and the association between platelet HPAâ€½b antibodies and symptomatic fetal neonatal alloimmune thrombocytopenia. <i>British Journal of Haematology</i> , 2021, 195, 595-603.	2.5	9
94	Biological and structural characterization of murine TRALI antibody reveals increased Fc-mediated complement activation. <i>Blood Advances</i> , 2020, 4, 3875-3885.	5.2	8
95	Will Genotyping Replace Serology in Future Routine Blood Grouping? – Opinion 5. <i>Transfusion Medicine and Hemotherapy</i> , 2009, 36, 234-235.	1.6	7
96	The Elements Steering Pathogenesis in IgG-Mediated Alloimmune Diseases. <i>Journal of Clinical Immunology</i> , 2016, 36, 76-81.	3.8	7
97	Peripheral Stem Cell Apheresis is Feasible Post 131Iodine-Metaiodobenzylguanidine-Therapy in High-Risk Neuroblastoma, but Results in Delayed Platelet Reconstitution. <i>Clinical Cancer Research</i> , 2019, 25, 1012-1021.	7.0	7
98	A variant RhAG protein encoded by theRHAG*572Aallele causes serological weak D expression while maintaining normal RhCE phenotypes. <i>Transfusion</i> , 2019, 59, 405-411.	1.6	7
99	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. <i>Vox Sanguinis</i> , 2022, 117, 157-165.	1.5	7
100	Immunoassay for quantification of antigen-specific IgG fucosylation. <i>EBioMedicine</i> , 2022, 81, 104109.	6.1	7
101	Development of a recombinant antiâ€Vel immunoglobulin M to identify Velâ€negative donors. <i>Transfusion</i> , 2019, 59, 1359-1366.	1.6	6
102	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. <i>BMJ Open</i> , 2020, 10, e034071.	1.9	6
103	Rh disease prevention: the European Perspective. <i>ISBT Science Series</i> , 2021, 16, 106-118.	1.1	6
104	Neutrophil Antigens, from Bench to Bedside. <i>Immunological Investigations</i> , 1995, 24, 245-272.	2.0	4
105	Fast and lowâ€cost direct ELISA for highâ€throughput serological HPAâ€¹a typing. <i>Transfusion</i> , 2019, 59, 2989-2996.	1.6	4
106	A functional spleen contributes to afucosylated IgG in humans. <i>Scientific Reports</i> , 2021, 11, 24045.	3.3	4
107	SMIM1 missense mutations exert their effect on wild type Vel expression late in erythroid differentiation. <i>Transfusion</i> , 2021, 61, 236-245.	1.6	3
108	Identification of a novel frequentRHCE*ce308Tvariant allele in Chinese Dâ€ individuals, resulting in a C+â€ phenotype. <i>Transfusion</i> , 2016, 56, 2314-2321.	1.6	2

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109	Identification of a novel single-nucleotide mutation in <i>SMIM1</i> gene that results in low Vel antigen expression. <i>Transfusion</i> , 2019, 59, E8-E10.	1.6	2
110	Fetal <i>RHD</i> genotyping after bone marrow transplantation. <i>Transfusion</i> , 2016, 56, 2122-2126.	1.6	1
111	Predicting anti-RhD titers in donors: Boosting response and decline rates are personal. <i>PLoS ONE</i> , 2018, 13, e0196382.	2.5	1
112	Pediatric Neuroblastoma: Molecular Detection of Minimal Residual Disease. <i>Pediatric Cancer</i> , 2012, , 47-63.	0.0	0
113	Factors contributing to the pathogenesis of IgG-mediated alloimmune disease. <i>ISBT Science Series</i> , 2016, 11, 126-132.	1.1	0
114	Gene-expression-based monocyte-specific clustering of acute myeloid leukemias reveals novel associations. <i>Leukemia and Lymphoma</i> , 2017, 58, 1721-1725.	1.3	0