

# Sara J Israels

## List of Publications by Year in descending order

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123  
papers

8,293  
citations

66315

42  
h-index

45285

90  
g-index

127  
all docs

127  
docs citations

127  
times ranked

8862  
citing authors

#	ARTICLE	IF	CITATIONS
1	Oxidative stress induces autophagic cell death independent of apoptosis in transformed and cancer cells. <i>Cell Death and Differentiation</i> , 2008, 15, 171-182.	5.0	600
2	BNIP3 and Genetic Control of Necrosis-Like Cell Death through the Mitochondrial Permeability Transition Pore. <i>Molecular and Cellular Biology</i> , 2000, 20, 5454-5468.	1.1	585
3	Apoptosis in heart failure: Release of cytochrome c from mitochondria and activation of caspase-3 in human cardiomyopathy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999, 96, 8144-8149.	3.3	553
4	Outcome of Pediatric Thromboembolic Disease: A Report from the Canadian Childhood Thrombophilia Registry. <i>Pediatric Research</i> , 2000, 47, 763-766.	1.1	459
5	Mitochondrial electron-transport-chain inhibitors of complexes I and II induce autophagic cell death mediated by reactive oxygen species. <i>Journal of Cell Science</i> , 2007, 120, 4155-4166.	1.2	394
6	Role for Bcl-xL as an inhibitor of cytosolic cytochrome C accumulation in DNA damage-induced apoptosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997, 94, 6939-6942.	3.3	386
7	In vitro analyses of known and novel RUNX1/AML1 mutations in dominant familial platelet disorder with predisposition to acute myelogenous leukemia: implications for mechanisms of pathogenesis. <i>Blood</i> , 2002, 99, 1364-1372.	0.6	348
8	Hypoxia induces autophagic cell death in apoptosis-competent cells through a mechanism involving BNIP3. <i>Autophagy</i> , 2008, 4, 195-204.	4.3	321
9	Randomised trial of intravenous immunoglobulin G, intravenous anti-D, and oral prednisone in childhood acute immune thrombocytopenic purpura. <i>Lancet, The</i> , 1994, 344, 703-707.	6.3	315
10	Platelet Dense Granules. <i>Thrombosis Research</i> , 1999, 95, 1-18.	0.8	250
11	Tailored prophylaxis in severe hemophilia A: interim results from the first 5 years of the Canadian Hemophilia Primary Prophylaxis Study. <i>Journal of Thrombosis and Haemostasis</i> , 2006, 4, 1228-1236.	1.9	224
12	Granzyme B (GraB) Autonomously Crosses the Cell Membrane and Perforin Initiates Apoptosis and GraB Nuclear Localization. <i>Journal of Experimental Medicine</i> , 1997, 185, 855-866.	4.2	216
13	BNIP3 plays a role in hypoxic cell death in human epithelial cells that is inhibited by growth factors EGF and IGF. <i>Oncogene</i> , 2003, 22, 4734-4744.	2.6	199
14	Advanced Vertebral Fracture Among Newly Diagnosed Children With Acute Lymphoblastic Leukemia: Results of the Canadian Steroid-Associated Osteoporosis in the Pediatric Population (STOPP) Research Program. <i>Journal of Bone and Mineral Research</i> , 2009, 24, 1326-1334.	3.1	188
15	Development of North American Consensus Guidelines for Medical Laboratories That Perform and Interpret Platelet Function Testing Using Light Transmission Aggregometry. <i>American Journal of Clinical Pathology</i> , 2010, 134, 955-963.	0.4	173
16	Beyond Hemostasis: The Role of Platelets in Inflammation, Malignancy and Infection. <i>Cardiovascular &amp; Hematological Disorders Drug Targets</i> , 2008, 8, 99-117.	0.2	126
17	High Incidence of Vertebral Fractures in Children With Acute Lymphoblastic Leukemia 12 Months After the Initiation of Therapy. <i>Journal of Clinical Oncology</i> , 2012, 30, 2760-2767.	0.8	120
18	Childhood stroke associated with protein C or S deficiency. <i>Journal of Pediatrics</i> , 1987, 111, 562-564.	0.9	118

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19	Neonatal Platelet Function. <i>Seminars in Thrombosis and Hemostasis</i> , 2003, 29, 363-372.	1.5	105
20	Evaluation of primary hemostasis in neonates with a new in vitro platelet function analyzer. <i>Journal of Pediatrics</i> , 2001, 138, 116-119.	0.9	103
21	Home management of haemophilia. <i>Haemophilia</i> , 2004, 10, 118-133.	1.0	100
22	Incident Vertebral Fractures in Children With Leukemia During the Four Years Following Diagnosis. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2015, 100, 3408-3417.	1.8	93
23	Platelets and Anti-platelet Therapy. <i>Journal of Pharmacological Sciences</i> , 2003, 93, 381-396.	1.1	88
24	Deficient Collagen-Induced Activation in the Newborn Platelet. <i>Pediatric Research</i> , 1990, 27, 337-343.	1.1	86
25	Tyrosine kinase receptor EGFR regulates the switch in cancer cells between cell survival and cell death induced by autophagy in hypoxia. <i>Autophagy</i> , 2016, 12, 1029-1046.	4.3	86
26	Bone Morbidity and Recovery in Children With Acute Lymphoblastic Leukemia: Results of a Six-Year Prospective Cohort Study. <i>Journal of Bone and Mineral Research</i> , 2018, 33, 1435-1443.	3.1	79
27	A multicenter study of the treatment of childhood chronic idiopathic thrombocytopenic purpura with anti-D. <i>Journal of Pediatrics</i> , 1992, 120, 522-527.	0.9	76
28	Magnetic resonance imaging and joint outcomes in boys with severe hemophilia A treated with tailored primary prophylaxis in Canada. <i>Journal of Thrombosis and Haemostasis</i> , 2012, 10, 2494-2502.	1.9	76
29	Deficient Thromboxane Synthesis and Response in Platelets from Premature Infants. <i>Pediatric Research</i> , 1997, 41, 218-223.	1.1	74
30	Germline SAMD9 and SAMD9L mutations are associated with extensive genetic evolution and diverse hematologic outcomes. <i>JCI Insight</i> , 2018, 3, .	2.3	71
31	Platelet disorders in children: A diagnostic approach. <i>Pediatric Blood and Cancer</i> , 2011, 56, 975-983.	0.8	63
32	CD63 Associates with the $\alpha$ IIb $\beta$ 3 Integrin-CD9 Complex on the Surface of Activated Platelets. <i>Thrombosis and Haemostasis</i> , 2001, 85, 134-141.	1.8	60
33	CD63 modulates spreading and tyrosine phosphorylation of platelets on immobilized fibrinogen. <i>Thrombosis and Haemostasis</i> , 2005, 93, 311-318.	1.8	58
34	Inherited platelet-storage pool deficiency associated with a high incidence of acute myeloid leukaemia. <i>British Journal of Haematology</i> , 1991, 79, 246-255.	1.2	56
35	Pharmacogenomics of Vincristine-Induced Peripheral Neuropathy Implicates Pharmacokinetic and Inherited Neuropathy Genes. <i>Clinical Pharmacology and Therapeutics</i> , 2019, 105, 402-410.	2.3	56
36	Association of Mindfulness-Based Interventions With Anxiety Severity in Adults With Cancer. <i>JAMA Network Open</i> , 2020, 3, e2012598.	2.8	54

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37	Diagnostic Evaluation of Platelet Function Disorders in Neonates and Children: An Update. <i>Seminars in Thrombosis and Hemostasis</i> , 2009, 35, 181-188.	1.5	51
38	Impaired Signal Transduction in Neonatal Platelets. <i>Pediatric Research</i> , 1999, 45, 687-691.	1.1	51
39	Results of an External Proficiency Testing Exercise on Platelet Dense-Granule Deficiency Testing by Whole Mount Electron Microscopy. <i>American Journal of Clinical Pathology</i> , 2009, 131, 671-675.	0.4	50
40	Development of Antibodies to Bovine and Human Factor V in Two Children After Exposure to Topical Bovine Thrombin. <i>Journal of Pediatric Hematology/Oncology</i> , 1994, 16, 249-254.	0.3	48
41	The Canadian Hemophilia Registry as the basis for a national system for monitoring the use of factor concentrates. <i>Transfusion</i> , 1995, 35, 548-551.	0.8	47
42	Gynaecological and Obstetric Management of Women With Inherited Bleeding Disorders. <i>Journal of Obstetrics and Gynaecology Canada</i> , 2005, 27, 707-718.	0.3	45
43	Antiplatelet therapy in children. <i>Thrombosis Research</i> , 2006, 118, 75-83.	0.8	43
44	Musculoskeletal health of subjects with hemophilia A treated with tailored prophylaxis: Canadian Hemophilia Primary Prophylaxis (CHPS) Study. <i>Journal of Thrombosis and Haemostasis</i> , 2013, 11, 460-466.	1.9	43
45	Bleeding disorders: characterization, dental considerations and management. <i>Journal of the Canadian Dental Association</i> , 2006, 72, 827.	0.6	42
46	Activation of permeabilized platelets by inositol-1, 4, 5-trisphosphate. <i>Thrombosis Research</i> , 1985, 40, 499-509.	0.8	35
47	Laboratory testing for platelet function disorders. <i>International Journal of Laboratory Hematology</i> , 2015, 37, 18-24.	0.7	35
48	Deposition of Transforming Growth Factor- $\beta_2$ in the Marrow in Myelofibrosis, and the Intracellular Localization and Secretion of TGF- $\beta_2$ by Leukemic Cells. <i>American Journal of Clinical Pathology</i> , 1995, 103, 574-582.	0.4	34
49	Inherited disorders of platelet function and challenges to diagnosis of mucocutaneous bleeding. <i>Haemophilia</i> , 2010, 16, 152-159.	1.0	34
50	Synovial sarcoma in childhood. <i>American Journal of Roentgenology</i> , 1984, 142, 803-806.	1.0	33
51	Platelet tetraspanin complexes and their association with lipid rafts. <i>Thrombosis and Haemostasis</i> , 2007, 98, 1081-1087.	1.8	33
52	Palmitoylation supports the association of tetraspanin CD63 with CD9 and integrin $\alpha\text{IIb}\beta_3$ in activated platelets. <i>Thrombosis Research</i> , 2010, 125, 152-158.	0.8	33
53	Tailored frequency-escalated primary prophylaxis for severe haemophilia A: results of the 16-year Canadian Hemophilia Prophylaxis Study longitudinal cohort. <i>Lancet Haematology</i> , 2018, 5, e252-e260.	2.2	31
54	The ribonucleotide reductase R2 gene is a non-transcribed target of c-Myc-induced genomic instability. <i>Gene</i> , 1999, 238, 351-365.	1.0	29

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55	A survey of factor prophylaxis in the Canadian haemophilia A population. <i>Haemophilia</i> , 2004, 10, 679-683.	1.0	29
56	Mechanisms of oral bacteria-induced platelet activation. <i>Canadian Journal of Physiology and Pharmacology</i> , 2010, 88, 510-524.	0.7	29
57	The empty sack syndrome: a platelet storage pool deficiency associated with empty dense granules. <i>British Journal of Haematology</i> , 1994, 86, 574-582.	1.2	28
58	von Willebrand disease and platelet disorders. <i>Haemophilia</i> , 2014, 20, 59-64.	1.0	25
59	Aberrant splicing contributes to severe $\alpha$ -spectrin-linked congenital hemolytic anemia. <i>Journal of Clinical Investigation</i> , 2019, 129, 2878-2887.	3.9	24
60	Comparison of light transmission aggregometry and multiple electrode aggregometry for the evaluation of patients with mucocutaneous bleeding. <i>International Journal of Laboratory Hematology</i> , 2019, 41, 133-140.	0.7	22
61	Contractile Activity of Neonatal Platelets. <i>Pediatric Research</i> , 1987, 21, 293-295.	1.1	21
62	Primary hypothyroidism with intracranial hypertension and pituitary hyperplasia. <i>Pediatric Neurology</i> , 1994, 10, 166-168.	1.0	21
63	Age at cancer diagnosis, non-O blood group and asparaginase therapy are independently associated with deep venous thrombosis in pediatric oncology patients: A risk model. <i>Thrombosis Research</i> , 2016, 144, 27-31.	0.8	21
64	Acquired inhibitors to factors V and X after exposure to topical thrombin: Interference with monitoring of low molecular weight heparin and warfarin. <i>Journal of Pediatrics</i> , 1997, 131, 480-483.	0.9	20
65	Refinement of the hereditary xerocytosis locus on chromosome 16q in a large Canadian kindred. <i>Blood Cells, Molecules, and Diseases</i> , 2011, 47, 226-231.	0.6	20
66	Effects of the Mitogen-Activated Protein (MAP) Kinase Kinase Inhibitor 2-(2-Amino-3-methoxyphenyl)-oxanaphthalen-4-one (PD98059) on Human Platelet Activation. <i>Biochemical Pharmacology</i> , 1998, 55, 1759-1767.	2.0	19
67	Continuous infusion of porcine factor VIII in the management of patients with factor VIII inhibitors. , 1997, 56, 112-118.		18
68	Early coagulopathy in severe iron poisoning. <i>Journal of Pediatrics</i> , 1988, 113, 695-697.	0.9	17
69	Analysis of procoagulant phosphatidylserine-exposing platelets by imaging flow cytometry. <i>Research and Practice in Thrombosis and Haemostasis</i> , 2018, 2, 736-750.	1.0	16
70	Laboratory diagnosis of inherited platelet function disorders. <i>Transfusion and Apheresis Science</i> , 2018, 57, 485-493.	0.5	16
71	Hemophilia prophylaxis adherence and bleeding using a tailored, frequency-escalated approach: The Canadian Hemophilia Primary Prophylaxis Study. <i>Research and Practice in Thrombosis and Haemostasis</i> , 2020, 4, 318-325.	1.0	16
72	Differential effects of spermine on aggregation, inositol phosphate formation and protein phosphorylation in human platelets in response to thrombin, arachidonic acid and lysophosphatidic acid. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1986, 883, 247-252.	1.1	15

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73	Incorporation of MAP Kinases Into the Platelet Cytoskeleton. <i>Thrombosis Research</i> , 2001, 103, 25-34.	0.8	15
74	A Dutch Fanconi Anemia<i>FANCC</i> Founder Mutation in Canadian Manitoba Mennonites. <i>Anemia</i> , 2012, 2012, 1-6.	0.5	15
75	Increased requirement for central venous catheter replacement in paediatric oncology patients with deep venous thrombosis: A multicentre study. <i>Thrombosis and Haemostasis</i> , 2015, 113, 434-435.	1.8	15
76	What we have learned from inherited platelet disorders. <i>Pediatric Blood and Cancer</i> , 2013, 60, S2-7.	0.8	14
77	Platelet tetraspanin complexes and their association with lipid rafts. <i>Thrombosis and Haemostasis</i> , 2007, 98, 1081-7.	1.8	14
78	Experience with central venous access devices (<sc>CVAD</sc>s) in the Canadian hemophilia primary prophylaxis study (<sc>CHPS</sc>). <i>Haemophilia</i> , 2015, 21, 469-476.	1.0	13
79	Role of transforming growth factor- $\beta$ 2 in chronic lymphocytic leukemia. <i>Leukemia Research</i> , 1993, 17, 81-87.	0.4	12
80	Markers of Platelet Activation Are Increased in Adolescents With Type 2 Diabetes. <i>Diabetes Care</i> , 2014, 37, 2400-2403.	4.3	12
81	Impact of Vertebral Fractures and Glucocorticoid Exposure on Height Deficits in Children During Treatment of Leukemia. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2019, 104, 213-222.	1.8	11
82	<i>Mycobacterium fortuitum</i> interstitial pneumonia with vasculitis in a child with Wilms' tumor. <i>Pediatric Infectious Disease Journal</i> , 1997, 16, 996-1000.	1.1	9
83	$\alpha$ 1-Antitrypsin Deficiency With Fatal Intracranial Hemorrhage in a Newborn. <i>Journal of Pediatric Hematology/Oncology</i> , 1999, 21, 447-450.	0.3	8
84	In-vitro stability of porcine factor VIII (Hyate:CR). <i>Haemophilia</i> , 1997, 3, 21-23.	1.0	7
85	Cancer incidence, morbidity, and survival in Canadian first nation children: A Manitoba population-based study from the cancer in young people in Canada (CYPâ€C) registry. <i>Pediatric Blood and Cancer</i> , 2014, 61, 2164-2169.	0.8	7
86	Evaluation of families wherein a single male manifests a phenotype of X-linked lymphoproliferative disease (XLP). <i>American Journal of Medical Genetics Part A</i> , 1993, 47, 458-463.	2.4	6
87	Identification of Patients with Storage Pool Deficiency Using ATP Release and Dense Granule Counts. <i>Hematology</i> , 1997, 2, 161-167.	0.7	6
88	A role for von Willebrand factor in <i>Streptococcus sanguis</i> -induced platelet activation. <i>Thrombosis and Haemostasis</i> , 2007, 98, 1382-1384.	1.8	6
89	Studies in patients with bleeding disorders show that platelet-vessel interaction is important for thromboxane formation in bleeding time wounds. <i>Thrombosis Research</i> , 1990, 60, 79-85.	0.8	5
90	Familial Neuroblastoma. <i>Journal of Pediatric Hematology/Oncology</i> , 1998, 20, 489-493.	0.3	5

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91	Geographical variation in the incidence of childhood leukaemia in Manitoba. <i>Journal of Paediatrics and Child Health</i> , 2015, 51, 1121-1126.	0.4	5
92	Clinical characterization and hematopoietic stem cell transplant outcomes for congenital sideroblastic anemia caused by a novel pathogenic variant in <i>SLC25A38</i> . <i>Pediatric Blood and Cancer</i> , 2020, 67, e28623.	0.8	5
93	Unintended benefit of anabolic steroid use in hemophilia B leiden. <i>American Journal of Hematology</i> , 2012, 87, 122-123.	2.0	4
94	Platelet Function in the Newborn. , 2013, , 503-516.		4
95	Intracranial Atypical Teratoid/Rhabdoid Tumor Presenting as an Axillary Mass: A Case Report and Review of Literature. <i>Pediatric and Developmental Pathology</i> , 2014, 17, 122-125.	0.5	4
96	Continuous infusion of porcine factor VIII in the management of patients with factor VIII inhibitors. <i>American Journal of Hematology</i> , 1997, 56, 112-118.	2.0	4
97	Magnetic resonance imaging in boys with severe hemophilia A: Serial and end-of-study findings from the Canadian Hemophilia Primary Prophylaxis Study. <i>Research and Practice in Thrombosis and Haemostasis</i> , 2021, 5, e12565.	1.0	4
98	Platelet Function in the Newborn. , 2019, , 443-457.		3
99	CD63 Modulates Spreading and Tyrosine Phosphorylation of Platelets on Immobilized Fibrinogen.. <i>Blood</i> , 2004, 104, 1567-1567.	0.6	3
100	10 Year Musculoskeletal Outcomes with Tailored Primary Prophylaxis: The Canadian Hemophilia Prophylaxis Study.. <i>Blood</i> , 2007, 110, 84-84.	0.6	3
101	Thrombopoietin and Neonatal Thrombocytopenia: Commentary on the article by Sola et al. on page 208. <i>Pediatric Research</i> , 2000, 47, 176-176.	1.1	3
102	A role for von Willebrand factor in Streptococcus sanguis-induced platelet activation. <i>Thrombosis and Haemostasis</i> , 2007, 98, 1382-4.	1.8	3
103	Platelet Function in the Newborn. , 2007, , 431-442.		2
104	The development of bone mineral lateralization in the arms. <i>Osteoporosis International</i> , 2013, 24, 999-1006.	1.3	2
105	Retrospective Analysis of the Minimum Dosage Requirements for Enoxaparin in Neonates with Thromboembolic Disease.. <i>Blood</i> , 2004, 104, 1770-1770.	0.6	2
106	A pharmacogenomic investigation of the cardiac safety profile of ondansetron in children and pregnant women. <i>Biomedicine and Pharmacotherapy</i> , 2022, 148, 112684.	2.5	2
107	Discordant von Willebrand factor (VWF) activity in patients with <i>VWF</i> p.Gly1324Ser confirmed in vitro. <i>Haemophilia</i> , 2018, 24, e57-e59.	1.0	1
108	Molecular Basis of Platelet Function. , 2018, , 1870-1884.e2.		1

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109	Epidural Spinal Mass as the Presenting Feature of B-Acute Lymphoblastic Leukemia in a Young Child. <i>Journal of Pediatric Hematology/Oncology</i> , 2020, 42, e845-e847.	0.3	1
110	Patterns of joint damage in severe haemophilia A treated with prophylaxis. <i>Haemophilia</i> , 2021, 27, 666-673.	1.0	1
111	Acute Myeloid Leukemia Presenting as a Posterior Fossa Tumor. <i>Journal of Pediatric Hematology/Oncology</i> , 2021, Publish Ahead of Print, 277-278.	0.3	1
112	Acquired Hemophilia: A Ten Year Population-Based Review of Incidence Rate, Patient Demographics, and Treatment Outcomes in Manitoba, Canada. <i>Blood</i> , 2016, 128, 3783-3783.	0.6	1
113	Precursor B-Cell Acute Lymphoblastic Leukemia With MYC and BCL2 Rearrangements Presenting as Extensive Extranodal Disease in an Adolescent. <i>Journal of Pediatric Hematology/Oncology</i> , 2021, 43, e501-e504.	0.3	0
114	Are There Potential Predictors for Response to Enoxaparin in the Neonatal Population?.. <i>Blood</i> , 2004, 104, 4083-4083.	0.6	0
115	In-Vitro Stability of B-Domain Deleted Recombinant Factor VIII in Syringe-Based Continuous Infusion Devices.. <i>Blood</i> , 2004, 104, 3969-3969.	0.6	0
116	Coagulation Abnormalities in Patients with Noonan Syndrome - a Single Centre Case Series.. <i>Blood</i> , 2004, 104, 1035-1035.	0.6	0
117	Clinical Associations and Significance of Biphasic aPTT Transmittance Waveforms.. <i>Blood</i> , 2004, 104, 3964-3964.	0.6	0
118	Platelet Tetraspanin Complexes and Their Relation to Lipid Rafts.. <i>Blood</i> , 2006, 108, 1530-1530.	0.6	0
119	Phenotypic Evaluation of a Family Cohort with Hemolytic Anemia. <i>Blood</i> , 2010, 116, 3214-3214.	0.6	0
120	Central Venous Catheters and Venous Thrombotic Events in Pediatric Oncology Patients: A Multicenter Case Control Study. <i>Blood</i> , 2012, 120, 3400-3400.	0.6	0
121	Abstract 3515: Down the rabbit hole with structural effects of FK866 in primary CLL B cells. , 2018, , .		0
122	IL-4 Mediated Upregulation of AMPK/SIRT1/PGC-1 $\alpha$ Signalling Pathway Is Bypassed By Mitochondrial Complex I Downregulation By NAMPT Inhibition in Venetoclax and Ibrutinib Treated CLL Cells. <i>Blood</i> , 2021, 138, 2616-2616.	0.6	0
123	A Novel VWD Variant Identified in a Multi-Generational Canadian Ojibway Kindred with a Type 2B VWD Phenotypic Expression. <i>Blood</i> , 2020, 136, 12-13.	0.6	0