

SickKids Top Cited Papers

Papers having a first and/or Senior/equal corresponding author role. Those names in italics were trainees at the time, or at different institutions, who after the publication came on staff as faculty at SickKids (see footnotes). There are 67 other papers having SickKids authors involved in a collaborative role (i.e., “middle author”: defined as not being first and/or senior/co-senior/equal corresponding role).

Citation numbers as of March 13, 2024.π

Rank	Times Cited, WoS (Google Scholar)	Article Title	SickKids Principle Investigator(s)	Source Title & Publication Year
1	6142 (9353)	Identification of the Cystic-Fibrosis Gene – Cloning and Characterization of Complementary – DNA	John R. Riordan <i>Johanna M. Rommens</i> ¹ Lap-Chee Tsui	Science, 1989 + 4 authors
2	5819 (9163)	Identification of human brain tumour initiating cells	Cynthia Hawkins R. Mark Henkelman Michael D. Cusimano Peter B. Dirks	Nature, 2004 + 5 authors
3	5169 (9442)	Human acute myeloid leukemia is organized as a hierarchy that originates from a primitive hematopoietic cell	John E. Dick	Nature Medicine, 1997 With Dominique Bonnet
4	3944 (6853)	Identification of a cancer stem cell in human brain tumors	Cynthia Hawkins Peter B. Dirks	Cancer Research, 2003 + 5 authors
5	3613 (5871)	Development of an upper extremity outcome measure: The DASH (Disabilities of the Arm, Shoulder, and Head)	<i>Claire Bombardier</i> ² James Wright	American Journal of Industrial Medicine, 1996 + 10 authors
6	3566 (6191)	A cell initiating human acute myeloid-leukemia after transplantation into SCID mice	John E. Dick	Nature, 1994 + 9 authors
7	3267 (5573)	Identification of the Cystic-Fibrosis Gene – Genetic Analysis	<i>Johanna M. Rommens</i> ¹ Manuel Buchwald Lap-Chee Tsui	Science, 1989 + 5 authors
8	3142 (5370)	Global variation in copy number in the human genome	<i>Christian R. Marshall</i> ³ Stephen W. Scherer	Nature, 2006 + 41 authors
9	2891 (4745)	Surface glycoprotein modulating drug permeability in Chinese-hamster ovary cell mutants	R. L. Juliano	Biochimica et biophysica acta., 1976 With Victor Ling
10	2658 (4367)	Identification of the Cystic-Fibrosis Gene – Chromosome Walking and Jumping	<i>Johanna M. Rommens</i> ¹ Manuel Buchwald John R. Riordan Lap-Chee Tsui	Science, 1989 + 5 authors
11	2627 (4869)	Neuroscience – Neuronal plasticity: Increasing the gain in pain	Michael W. Salter	Science, 2000 (Review) With Clifford J. Woolf

12	2172 (3566)	Detection of large-scale variation in the human genome	Stephen W. Scherer	Nature Genetics, 2004 + 7 authors
13	1925 (3080)	Diagnosis, treatment, and long-term management of Kawasaki disease: a scientific statement for health professionals from the American Heart Association	Brian W. McCrindle	Circulation, 2017 + 14 authors
14	1647 (2489)	The Wilson Disease gene is a putative copper transporting P-type ATPase similar to the Menkes gene	Johanna M. Rommens Diane Wilson Cox	Nature Genetics, 1993 + 3 authors
15	1603 (2210)	Sensors and regulators of intracellular pH	Sergio Grinstein	Nature Reviews Molecular Cell Biology, 2010 (Review) + 2 authors
16	1478 (2297)	Functional impact of global rare copy number variation in autism spectrum disorders	<i>Christian R. Marshall</i> ³ Wendy Roberts Rosanna Weksberg Peter Szatmari ⁴ Stephen W. Scherer	Nature, 2010 + 172 authors
17	1457 (2189)	BDNF from microglia causes the shift in neuronal anion gradient underlying neuropathic pain	Michael W. Salter	Nature, 2005 + 8 authors
18	1422 (2305)	Defining consensus: A systematic review recommends methodologic criteria for reporting of Delphi studies	Brian Feldman Paul Pencharz Paul W. Wales	Journal of Clinical Epidemiology 2014
19	1384 (2688)	Structural variation in the human genome	Stephen W. Scherer	Nature Reviews Genetics, 2006 (Review) + 2 authors
20	1369 (2439)	The organization of recent and remote memories	Paul W. Frankland	Nature Reviews Neurosciences, 2005 (Review) With Bruno Bontempi
21	1354 (2235)	Origins and functional impact of copy number variation in the human genome	Stephen W. Scherer	Nature, 2010 + 27 authors and Wellcome Trust Case Control Consortium
22	1349 (2115)	Structural variation of chromosomes in autism spectrum disorder	<i>Christian R. Marshall</i> ³ David Chitayat Rosanna Weksberg Wendy Roberts Peter Szatmari ⁴ Stephen W. Scherer	American Journal of Human Genetics, 2008 + 29 authors
23	1309 (1871)	Sex Differences in the Gut Microbiome Drive Hormone-Dependent Regulation of Autoimmunity	Jayne Danska	Science 2013

24	1295 (2681)	Neuroscience of attention-deficit / hyperactivity disorder: The search for endophenotypes	Rosemary Tannock	Nature Reviews Neuroscience, 2002 (Review) with F. Xavier Castellanos
25	1254 (2009)	Molecular subgroups of medulloblastoma: the current consensus	Michael D. Taylor	Acta Neuropathol, 2012
26	1247 (1819)	Combination therapy in combating cancer	Herman Yeger	Oncotarget 2017
27	1216 (1770)	The Association between Idiopathic Hemolytic Uremic Syndrome and infection by verotoxin-producing Escherichia-coli	Mohamed A. Karmali Martin Petric Peter C. Fleming Gerald S. Arbus	Journal of Infectious Diseases, 1985 + 1 author
28	1186 (1914)	Infection by verocytotoxin-producing Escherichia-coli	M. A. Karmali	Clinical Microbiology Review, 1989 (Review)
29	1147 (1794)	The MAD-related protein Smad7 associates with the TGF beta receptor and functions as an antagonist of TGF beta signaling	Jeffrey Wrana	Cell 1997
30	1068 (1695)	Similarity network fusion for aggregating data types on a genomic scale	Michael Brudno Anna Goldenberg	Nature Methods 2014
31	1057 (1577)	Normalization of obesity-associated insulin resistance through immunotherapy	H.-Michael Dosch	Nature Medicine, 2009
32	1048 (1644)	Mapping autism risk loci using genetic linkage and chromosomal rearrangements	Peter Szatmari ⁴ Andrew D. Paterson Wendy Roberts <i>Christian R. Marshall</i> ³ Stephen W. Scherer	Nature Genetics, 2007 + 134 authors
33	1010 (1521)	Discovery of cross-reactive probes and polymorphic CpGs in the Illumina Infinium HumanMethylation450 microarray	<i>Mathieu Lemair</i> ⁵ Rosanna Weksberg	Epigenetics 2013

¹Johanna M. Rommens was a postdoctoral fellow and in 1992 became faculty.

²Claire Bombardier was at the Institute for Work and Health (IWH) at the time.

³Christian R. Marshall was a postdoctoral fellow and in 2013 became faculty in DPLM.

⁴Peter Szamari joined SickKids in 2013.

⁵Mathieu Lemair was a trainee and in 2019 became faculty in Nephrology.