

# Robert I Richards

## List of Publications by Year in descending order

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70  
papers

11,035  
citations

101384

36  
h-index

88477

70  
g-index

71  
all docs

71  
docs citations

71  
times ranked

17085  
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	4.3	4,701
2	Characterization of DNA sequences through which cadmium and glucocorticoid hormones induce human metallothionein-IIA gene. <i>Nature</i> , 1984, 308, 513-519.	13.7	1,003
3	Human metallothionein genes—primary structure of the metallothionein-II gene and a related processed gene. <i>Nature</i> , 1982, 299, 797-802.	13.7	496
4	Molecular genetics of pseudoxanthoma elasticum: type and frequency of mutations in ABC6. <i>Human Mutation</i> , 2005, 26, 235-248.	1.1	365
5	Dynamic mutations: A new class of mutations causing human disease. <i>Cell</i> , 1992, 70, 709-712.	13.5	334
6	Structural and functional analysis of the human metallothionein-IA gene: Differential induction by metal ions and glucocorticoids. <i>Cell</i> , 1984, 37, 263-272.	13.5	326
7	Structure of mouse kallikrein gene family suggests a role in specific processing of biologically active peptides. <i>Nature</i> , 1983, 303, 300-307.	13.7	318
8	Simple repeat DNA is not replicated simply. <i>Nature Genetics</i> , 1994, 6, 114-116.	9.4	318
9	Fragile and unstable chromosomes in cancer: causes and consequences. <i>Trends in Genetics</i> , 2001, 17, 339-345.	2.9	208
10	Human Chromosomal Fragile Site FRA16B Is an Amplified AT-Rich Minisatellite Repeat. <i>Cell</i> , 1997, 88, 367-374.	13.5	182
11	Fragile sites still breaking. <i>Trends in Genetics</i> , 1998, 14, 501-506.	2.9	149
12	Huntingtin-deficient zebrafish exhibit defects in iron utilization and development. <i>Human Molecular Genetics</i> , 2007, 16, 1905-1920.	1.4	136
13	Heritable unstable DNA sequences. <i>Nature Genetics</i> , 1992, 1, 7-9.	9.4	125
14	Mutations of the gene encoding the transmembrane transporter protein ABC-C6 cause pseudoxanthoma elasticum. <i>Journal of Molecular Medicine</i> , 2000, 78, 282-286.	1.7	118
15	Contribution of mGluR and Fmr1 functional pathways to neurite morphogenesis, craniofacial development and fragile X syndrome. <i>Human Molecular Genetics</i> , 2006, 15, 3446-3458.	1.4	117
16	Human metallothionein genes: molecular cloning and sequence analysis of the mRNA. <i>Nucleic Acids Research</i> , 1982, 10, 3165-3173.	6.5	108
17	Molecular cloning and sequence analysis of adult chicken $\beta$ globin cDNA. <i>Nucleic Acids Research</i> , 1979, 7, 1137-1146.	6.5	99
18	Prenatal Diagnosis of Fragile X Syndrome by Direct Detection of the Unstable DNA Sequence. <i>New England Journal of Medicine</i> , 1991, 325, 1720-1722.	13.9	99

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19	The molecular basis of fragile sites in human chromosomes. <i>Current Opinion in Genetics and Development</i> , 1995, 5, 323-327.	1.5	96
20	Physical linkage of the fragile site FRA11B and a Jacobsen Syndrome chromosome deletion breakpoint in 11q23.3. <i>Human Molecular Genetics</i> , 1994, 3, 2123-2130.	1.4	95
21	Dynamic mutation: possible mechanisms and significance in human disease. <i>Trends in Biochemical Sciences</i> , 1997, 22, 432-436.	3.7	92
22	FRA10B Structure Reveals Common Elements in Repeat Expansion and Chromosomal Fragile Site Genesis. <i>Molecular Cell</i> , 1998, 1, 773-781.	4.5	92
23	Î±-Inhibin Gene Expression Occurs in the Ovine Adrenal Cortex, and is Regulated by Adrenocorticotropin. <i>Molecular Endocrinology</i> , 1987, 1, 699-706.	3.7	79
24	Mouse glandular kallikrein genes: identification and characterization of the genes encoding the epidermal growth factor binding proteins. <i>Biochemistry</i> , 1987, 26, 6750-6756.	1.2	71
25	Common chromosomal fragile sites and cancer: Focus on FRA16D. <i>Cancer Letters</i> , 2006, 232, 37-47.	3.2	67
26	Common chromosomal fragile site FRA16D mutation in cancer cells. <i>Human Molecular Genetics</i> , 2005, 14, 1341-1349.	1.4	66
27	A 500-kb region on chromosome 16p13.1 contains the pseudoxanthoma elasticum locus: high-resolution mapping and genomic structure. <i>Journal of Molecular Medicine</i> , 2000, 78, 36-46.	1.7	63
28	Drosophila orthologue of WWOX, the chromosomal fragile site FRA16D tumour suppressor gene, functions in aerobic metabolism and regulates reactive oxygen species. <i>Human Molecular Genetics</i> , 2011, 20, 497-509.	1.4	56
29	Double-stranded RNA is pathogenic in Drosophila models of expanded repeat neurodegenerative diseases. <i>Human Molecular Genetics</i> , 2011, 20, 3757-3768.	1.4	50
30	A novel Q378X mutation exists in the transmembrane transporter protein ABCC6 and its pseudogene: implications for mutation analysis in pseudoxanthoma elasticum. <i>Journal of Molecular Medicine</i> , 2001, 79, 536-546.	1.7	48
31	Selective neuronal requirement for huntingtin in the developing zebrafish. <i>Human Molecular Genetics</i> , 2009, 18, 4830-4842.	1.4	47
32	A High-Resolution Genetic Map of the Familial Mediterranean Fever Candidate Region Allows Identification of Haplotype-Sharing among Ethnic Groups. <i>Genomics</i> , 1997, 44, 280-291.	1.3	43
33	Genetic Heterogeneity in Familial Acute Myelogenous Leukemia: Evidence for a Second Locus at Chromosome 16q21-23.2. <i>American Journal of Human Genetics</i> , 1997, 61, 873-881.	2.6	42
34	Kallikreins, kinins and growth factor biosynthesis. <i>Trends in Biochemical Sciences</i> , 1988, 13, 169-172.	3.7	41
35	Fragile Sitesâ€™ Cytogenetic Similarity with Molecular Diversity. <i>American Journal of Human Genetics</i> , 1999, 64, 354-359.	2.6	41
36	The pathogenic agent in Drosophila models of â€˜polyglutamineâ€™™ diseases. <i>Human Molecular Genetics</i> , 2005, 14, 1041-1048.	1.4	37

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37	Haplotype analysis at the FRAXA locus in the Japanese population. American Journal of Medical Genetics Part A, 1994, 51, 412-416.	2.4	36
38	Expression of three zebrafish orthologs of human FMR1-related genes and their phylogenetic relationships. Development Genes and Evolution, 2004, 214, 567-574.	0.4	36
39	Analysis of replication timing at the FRA10B and FRA16B fragile site loci. Chromosome Research, 2000, 8, 677-688.	1.0	34
40	Human glandular kallikrein genes: Genetic and physical mapping of the KLK1 locus using a highly polymorphic microsatellite PCR marker. Genomics, 1991, 11, 77-82.	1.3	31
41	DNA Repeats – A Treasury of Human Variation. New England Journal of Medicine, 1994, 331, 191-193.	13.9	30
42	Perturbation of the Akt/Gsk3- $\beta$ signalling pathway is common to Drosophila expressing expanded untranslated CAG, CUG and AUUCU repeat RNAs. Human Molecular Genetics, 2011, 20, 2783-2794.	1.4	30
43	Tumor suppressor <i>WWOX</i> moderates the mitochondrial respiratory complex. Genes Chromosomes and Cancer, 2015, 54, 745-761.	1.5	30
44	The Enemy within: Innate Surveillance-Mediated Cell Death, the Common Mechanism of Neurodegenerative Disease. Frontiers in Neuroscience, 2016, 10, 193.	1.4	30
45	<i>WWOX</i> , the chromosomal fragile site <i>FRA16D</i> spanning gene: Its role in metabolism and contribution to cancer. Experimental Biology and Medicine, 2015, 240, 338-344.	1.1	29
46	Fragile X syndrome: The molecular picture comes into focus. Trends in Genetics, 1992, 8, 249-255.	2.9	28
47	Fragile Sites and Minisatellite Repeat Instability. Molecular Genetics and Metabolism, 2000, 70, 99-105.	0.5	28
48	Human prostate specific antigen (PSA) gene: structure and linkage to the kallikrein-like gene, hGK-1. Nucleic Acids Research, 1989, 17, 2137-2137.	6.5	27
49	Common chromosomal fragile site <i>FRA16D</i> tumor suppressor <i>WWOX</i> gene expression and metabolic reprogramming in cells. Genes Chromosomes and Cancer, 2013, 52, 823-831.	1.5	27
50	Repeat offenders: Simple repeat sequences and complex genetic problems. Human Mutation, 1996, 8, 1-7.	1.1	24
51	Comparative toxicity of polyglutamine, polyalanine and polyleucine tracts in Drosophila models of expanded repeat disease. Human Molecular Genetics, 2012, 21, 536-547.	1.4	24
52	<i>FRA16D</i> common chromosomal fragile site oxidoreductase ( <i>FOR/WWOX</i> ) protects against the effects of ionizing radiation in Drosophila. Oncogene, 2005, 24, 6590-6596.	2.6	23
53	Construction of a 1-Mb Restriction-Mapped Cosmid Contig Containing the Candidate Region for the Familial Mediterranean Fever Locus (MEFV) on Chromosome 16p13.3. Genomics, 1997, 42, 83-95.	1.3	22
54	Prenatal diagnosis and successful intrauterine treatment of a female fetus with 21 $\alpha$ -hydroxylase deficiency. Medical Journal of Australia, 1992, 156, 132-135.	0.8	22

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55	Neurodegenerative diseases have genetic hallmarks of autoinflammatory disease. <i>Human Molecular Genetics</i> , 2018, 27, R108-R118.	1.4	21
56	Distinct roles for Toll and autophagy pathways in double-stranded RNA toxicity in a <i>Drosophila</i> model of expanded repeat neurodegenerative diseases. <i>Human Molecular Genetics</i> , 2013, 22, 2811-2819.	1.4	19
57	Construction of an ~700-kb Transcript Map Around the Familial Mediterranean Fever Locus on Human Chromosome 16p13.3. <i>Genome Research</i> , 1998, 8, 1172-1191.	2.4	17
58	Know thy fly. <i>Trends in Genetics</i> , 2007, 23, 238-242.	2.9	17
59	Tumor Suppressor WWOX Contributes to the Elimination of Tumorigenic Cells in <i>Drosophila melanogaster</i> . <i>PLoS ONE</i> , 2015, 10, e0136356.	1.1	16
60	Neuronal-specific impairment of heparan sulfate degradation in <i>Drosophila</i> reveals pathogenic mechanisms for Mucopolysaccharidosis type IIIA. <i>Experimental Neurology</i> , 2018, 303, 38-47.	2.0	16
61	Chromosomal Localization of the Human P2y6Purinoceptor Gene and Phylogenetic Analysis of the P2y Purinoceptor Family. <i>Genomics</i> , 1997, 44, 127-130.	1.3	13
62	RNA pathogenesis via Toll-like receptor-activated inflammation in expanded repeat neurodegenerative diseases. <i>Frontiers in Molecular Neuroscience</i> , 2013, 6, 25.	1.4	10
63	Human chromosome 16 physical map: Mapping of somatic cell hybrids using multiplex PCR deletion analysis of sequence tagged sites. <i>Genomics</i> , 1991, 10, 1047-1052.	1.3	9
64	Fragile X syndrome: The most common cause of familial intellectual handicap. <i>Medical Journal of Australia</i> , 1993, 158, 482-485.	0.8	9
65	Dynamic Mutations. <i>Advances in Experimental Medicine and Biology</i> , 2012, , 55-77.	0.8	9
66	Ubiquitous Expression of CUG or CAG Trinucleotide Repeat RNA Causes Common Morphological Defects in a <i>Drosophila</i> Model of RNA-Mediated Pathology. <i>PLoS ONE</i> , 2012, 7, e38516.	1.1	9
67	Sequence of the mouse glandular kallikrein gene, mGK-5. <i>Nucleic Acids Research</i> , 1987, 15, 10052-10052.	6.5	8
68	Non-self mutation: double-stranded RNA elicits antiviral pathogenic response in a <i>Drosophila</i> model of expanded CAG repeat neurodegenerative diseases. <i>Human Molecular Genetics</i> , 2019, 28, 3000-3012.	1.4	5
69	Molecular Biology of the WWOX Gene That Spans Chromosomal Fragile Site FRA16D. <i>Cells</i> , 2021, 10, 1637.	1.8	5
70	Chromosomal Fragile Sites: Mechanisms of Cytogenetic Expression and Pathogenic Consequences. , 2006, , 195-207.		0