Robert I Richards

List of Publications by Year
in descending order

70 papers	11,035 citations	101543 36 h-index	88630 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). Autophagy, 2016, 12, 1-222.	9.1	4,701
2	Characterization of DNA sequences through which cadmium and glucocorticoid hormones induce human metallothionein-IIA gene. Nature, 1984, 308, 513-519.	27.8	1,003
3	Human metallothionein genesâ€"primary structure of the metallothionein-II gene and a related processed gene. Nature, 1982, 299, 797-802.	27.8	496
4	Molecular genetics of pseudoxanthoma elasticum: type and frequency of mutations inABCC6. Human Mutation, 2005, 26, 235-248.	2.5	365
5	Dynamic mutations: A new class of mutations causing human disease. Cell, 1992, 70, 709-712.	28.9	334
6	Structural and functional analysis of the human metallothionein-IA gene: Differential induction by metal ions and glucocorticoids. Cell, 1984, 37, 263-272.	28.9	326
7	Structure of mouse kallikrein gene family suggests a role in specific processing of biologically active peptides. Nature, 1983, 303, 300-307.	27.8	318
8	Simple repeat DNA is not replicated simply. Nature Genetics, 1994, 6, 114-116.	21.4	318
9	Fragile and unstable chromosomes in cancer: causes and consequences. Trends in Genetics, 2001, 17, 339-345.	6.7	208
10	Human Chromosomal Fragile Site FRA16B Is an Amplified AT-Rich Minisatellite Repeat. Cell, 1997, 88, 367-374.	28.9	182
11	Fragile sites still breaking. Trends in Genetics, 1998, 14, 501-506.	6.7	149
12	Huntingtin-deficient zebrafish exhibit defects in iron utilization and development. Human Molecular Genetics, 2007, 16, 1905-1920.	2.9	136
13	Heritable unstable DNA sequences. Nature Genetics, 1992, 1, 7-9.	21.4	125
14	Mutations of the gene encoding the transmembrane transporter protein ABC-C6 cause pseudoxanthoma elasticum. Journal of Molecular Medicine, 2000, 78, 282-286.	3.9	118
15	Contribution of mGluR and Fmr1 functional pathways to neurite morphogenesis, craniofacial development and fragile X syndrome. Human Molecular Genetics, 2006, 15, 3446-3458.	2.9	117
16	Human metallothionein genes: molecular cloning and sequence analysis of the mRNA. Nucleic Acids Research, 1982, 10, 3165-3173.	14.5	108
17	Molecular cloning and sequence analysis of adult chicken Î² globin cDNA. Nucleic Acids Research, 1979, 7, 1137-1146.	14.5	99
18	Prenatal Diagnosis of Fragile X Syndrome by Direct Detection of the Unstable DNA Sequence. New England Journal of Medicine, 1991, 325, 1720-1722.	27.0	99

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19	The molecular basis of fragile sites in human chromosomes. Current Opinion in Genetics and Development, 1995, 5, 323-327.	3.3	96
20	Physical linkage of the fragile site FRA11B and a Jacobsen Syndrome chromosome deletion breakpoint in 11q23. 3. Human Molecular Genetics, 1994, 3, 2123-2130.	2.9	95
21	Dynamic mutation: possible mechanisms and significance in human disease. Trends in Biochemical Sciences, 1997, 22, 432-436.	7.5	92
22	FRA10B Structure Reveals Common Elements in Repeat Expansion and Chromosomal Fragile Site Genesis. Molecular Cell, 1998, 1, 773-781.	9.7	92
23	Î±-Inhibin Gene Expression Occurs in the Ovine Adrenal Cortex, and is Regulated by Adrenocorticotropin. Molecular Endocrinology, 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. Biochemistry, 1987, 26, 6750-6756.	2.5	71
25	Common chromosomal fragile sites and cancer: Focus on FRA16D. Cancer Letters, 2006, 232, 37-47.	7.2	67
26	Common chromosomal fragile site FRA16D mutation in cancer cells. Human Molecular Genetics, 2005, 14, 1341-1349.	2.9	66
27	A 500-kb region on chromosome 16p13.1 contains the pseudoxanthoma elasticum locus: high-resolution mapping and genomic structure. Journal of Molecular Medicine, 2000, 78, 36-46.	3.9	63
28	Drosophila orthologue of WWOX, the chromosomal fragile site FRA16D tumour suppressor gene, functions in aerobic metabolism and regulates reactive oxygen species. Human Molecular Genetics, 2011, 20, 497-509.	2.9	56
29	Double-stranded RNA is pathogenic in Drosophila models of expanded repeat neurodegenerative diseases. Human Molecular Genetics, 2011, 20, 3757-3768.	2.9	50
30	A novel Q378X mutation exists in the transmembrane transporter protein ABCC6 and its pseudogene: implications for mutation analysis in pseudoxanthoma elasticum. Journal of Molecular Medicine, 2001, 79, 536-546.	3.9	48
31	Selective neuronal requirement for huntingtin in the developing zebrafish. Human Molecular Genetics, 2009, 18, 4830-4842.	2.9	47
32	A High-Resolution Genetic Map of the Familial Mediterranean Fever Candidate Region Allows Identification of Haplotype-Sharing among Ethnic Groups. Genomics, 1997, 44, 280-291.	2.9	43
33	Genetic Heterogeneity in Familial Acute Myelogenous Leukemia: Evidence for a Second Locus at Chromosome 16q21-23.2. American Journal of Human Genetics, 1997, 61, 873-881.	6.2	42
34	Kallikreins, kinins and growth factor biosynthesis. Trends in Biochemical Sciences, 1988, 13, 169-172.	7.5	41
35	Fragile Sitesâ€"Cytogenetic Similarity with Molecular Diversity. American Journal of Human Genetics, 1999, 64, 354-359.	6.2	41
36	The pathogenic agent in Drosophila models of â€˜polyglutamineâ€™ diseases. Human Molecular Genetics, 2005, 14, 1041-1048.	2.9	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.	0.9	36
39	Analysis of replication timing at the FRA10B and FRA16B fragile site loci. Chromosome Research, 2000, 8, 677-688.	2.2	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.	2.9	31
41	DNA Repeats -- A Treasury of Human Variation. New England Journal of Medicine, 1994, 331, 191-193.	27.0	30
42	Perturbation of the Akt/Gsk3-Î² signalling pathway is common to Drosophila expressing expanded untranslated CAG, CUG and AUUCU repeat RNAs. Human Molecular Genetics, 2011, 20, 2783-2794.	2.9	30
43	Tumor suppressor <scp>WWOX</scp> moderates the mitochondrial respiratory complex. Genes Chromosomes and Cancer, 2015, 54, 745-761.	2.8	30
44	The Enemy within: Innate Surveillance-Mediated Cell Death, the Common Mechanism of Neurodegenerative Disease. Frontiers in Neuroscience, 2016, 10, 193.	2.8	30
45	WWOX, the chromosomal fragile site FRA16D spanning gene: Its role in metabolism and contribution to cancer. Experimental Biology and Medicine, 2015, 240, 338-344.	2.4	29
46	Fragile X syndrome: The molecular picture comes into focus. Trends in Genetics, 1992, 8, 249-255.	6.7	28
47	Fragile Sites and Minisatellite Repeat Instability. Molecular Genetics and Metabolism, 2000, 70, 99-105.	1.1	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.	14.5	27
49	Common chromosomal fragile site FRA16D tumor suppressor WWOX gene expression and metabolic reprograming in cells. Genes Chromosomes and Cancer, 2013, 52, 823-831.	2.8	27
50	Repeat offenders: Simple repeat sequences and complex genetic problems. Human Mutation, 1996, 8, 1-7.	2.5	24
51	Comparative toxicity of polyglutamine, polyalanine and polyleucine tracts in Drosophila models of expanded repeat disease. Human Molecular Genetics, 2012, 21, 536-547.	2.9	24
52	FRA16D common chromosomal fragile site oxido-reductase (FOR/WWOX) protects against the effects of ionizing radiation in Drosophila. Oncogene, 2005, 24, 6590-6596.	5.9	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.	2.9	22
54	Prenatal diagnosis and successful intrauterine treatment of a female fetus with 21â€hydroxylase deficiency. Medical Journal of Australia, 1992, 156, 132-135.	1.7	22

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55	Neurodegenerative diseases have genetic hallmarks of autoinflammatory disease. Human Molecular Genetics, 2018, 27, R108-R118.	2.9	21
56	Distinct roles for Toll and autophagy pathways in double-stranded RNA toxicity in a Drosophila model of expanded repeat neurodegenerative diseases. Human Molecular Genetics, 2013, 22, 2811-2819.	2.9	19
57	Construction of an â^¼700-kb Transcript Map Around the Familial Mediterranean Fever Locus on Human Chromosome 16p13.3. Genome Research, 1998, 8, 1172-1191.	5.5	17
58	Know thy fly. Trends in Genetics, 2007, 23, 238-242.	6.7	17
59	Tumor Suppressor WWOX Contributes to the Elimination of Tumorigenic Cells in Drosophila melanogaster. PLoS ONE, 2015, 10, e0136356.	2.5	16
60	Neuronal-specific impairment of heparan sulfate degradation in Drosophila reveals pathogenic mechanisms for Mucopolysaccharidosis type IIIA. Experimental Neurology, 2018, 303, 38-47.	4.1	16
61	Chromosomal Localization of the Human P2y6Purinoceptor Gene and Phylogenetic Analysis of the P2y Purinoceptor Family. Genomics, 1997, 44, 127-130.	2.9	13
62	RNA pathogenesis via Toll-like receptor-activated inflammation in expanded repeat neurodegenerative diseases. Frontiers in Molecular Neuroscience, 2013, 6, 25.	2.9	10
63	Human chromosome 16 physical map: Mapping of somatic cell hybrids using multiplex PCR deletion analysis of sequence tagged sites. Genomics, 1991, 10, 1047-1052.	2.9	9
64	Fragile X syndrome: The most common cause of familial intellectual handicap. Medical Journal of Australia, 1993, 158, 482-485.	1.7	9
65	Dynamic Mutations. Advances in Experimental Medicine and Biology, 2012, , 55-77.	1.6	9
66	Ubiquitous Expression of CUG or CAG Trinucleotide Repeat RNA Causes Common Morphological Defects in a Drosophila Model of RNA-Mediated Pathology. PLoS ONE, 2012, 7, e38516.	2.5	9
67	Sequence of the mouse glandular kallikrein gene, mGK-5. Nucleic Acids Research, 1987, 15, 10052-10052.	14.5	8
68	Non-self mutation: double-stranded RNA elicits antiviral pathogenic response in a Drosophila model of expanded CAG repeat neurodegenerative diseases. Human Molecular Genetics, 2019, 28, 3000-3012.	2.9	5
69	Molecular Biology of the WWOX Gene That Spans Chromosomal Fragile Site FRA16D. Cells, 2021, 10, 1637.	4.1	5
70	Chromosomal Fragile Sites: Mechanisms of Cytogenetic Expression and Pathogenic Consequences. , 2006, , 195-207.		0