Ciaran G Morrison

List of Publications by Year
in descending order

72 papers	7,172 citations	101543 36 h-index	95266 68 g-index
73 all docs	73 docs citations	73 times ranked	7738 citing authors

#	Article	IF	Citations
1	Homologous recombination and non-homologous end-joining pathways of DNA double-strand break repair have overlapping roles in the maintenance of chromosomal integrity in vertebrate cells. EMBO Journal, 1998, 17, 5497-5508.	7.8	1,076
2	Hematopoietic Stem Cell Quiescence Promotes Error-Prone DNA Repair and Mutagenesis. Cell Stem Cell, 2010, 7, 174-185.	11.1	521
3	Replication stress is a potent driver of functional decline in ageing haematopoietic stem cells. Nature, 2014, 512, 198-202.	27.8	519
4	PARP is important for genomic stability but dispensable inâ€‰apoptosis. Genes and Development, 1997, 11, 2347-2358.	5.9	511
5	Sister Chromatid Exchanges Are Mediated by Homologous Recombination in Vertebrate Cells. Molecular and Cellular Biology, 1999, 19, 5166-5169.	2.3	392
6	The controlling role of ATM in homologous recombinational repair of DNA damage. EMBO Journal, 2000, 19, 463-471.	7.8	271
7	Scc1/Rad21/Mcd1 Is Required for Sister Chromatid Cohesion and Kinetochore Function in Vertebrate Cells. Developmental Cell, 2001, 1, 759-770.	7.0	255
8	Mre11 is essential for the maintenance of chromosomal DNA in vertebrate cells. EMBO Journal, 1999, 18, 6619-6629.	7.8	243
9	The Rad51 Paralog Rad51B Promotes Homologous Recombinational Repair. Molecular and Cellular Biology, 2000, 20, 6476-6482.	2.3	242
10	Parp-1 protects homologous recombination from interference by Ku and Ligase IV in vertebrate cells. EMBO Journal, 2006, 25, 1305-1314.	7.8	237
11	Homologous Recombination, but Not DNA Repair, Is Reduced in Vertebrate Cells Deficient in <i>RAD52</i>. Molecular and Cellular Biology, 1998, 18, 6430-6435.	2.3	224
12	Centrosome amplification induced by DNA damage occurs during a prolonged G2 phase and involves ATM. EMBO Journal, 2004, 23, 3864-3873.	7.8	176
13	Genetic interaction between PARP and DNA-PK in V(D)J recombination and tumorigenesis. Nature Genetics, 1997, 17, 479-482.	21.4	173
14	Homologous DNA recombination in vertebrate cells. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 8388-8394.	7.1	143
15	Genetic Analysis of the DNA-dependent Protein Kinase Reveals an Inhibitory Role of Ku in Late Sâ€“G2 Phase DNA Double-strand Break Repair. Journal of Biological Chemistry, 2001, 276, 44413-44418.	3.4	142
16	Loss of centrioles causes chromosomal instability in vertebrate somatic cells. Journal of Cell Biology, 2013, 203, 747-756.	5.2	114
17	The Essential Functions of Human Rad51 Are Independent of ATP Hydrolysis. Molecular and Cellular Biology, 1999, 19, 6891-6897.	2.3	108
18	DNA damage induces Chk1â€dependent centrosome amplification. EMBO Reports, 2007, 8, 603-609.	4.5	108

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19	Disruption of ATM in p53-null cells causes multiple functional abnormalities in cellular response to ionizing radiation. Oncogene, 1999, 18, 7002-7009.	5.9	100
20	Deconstructing Survivin: comprehensive genetic analysis of Survivin function by conditional knockout in a vertebrate cell line. Journal of Cell Biology, 2008, 183, 279-296.	5.2	94
21	Involvement of Centrosome Amplification in Radiation-Induced Mitotic Catastrophe. Cell Cycle, 2007, 6, 364-370.	2.6	75
22	Distinct BRCT domains in Mcph1/Brit1 mediate ionizing radiation-induced focus formation and centrosomal localization. Oncogene, 2008, 27, 139-144.	5.9	75
23	The impact of the PCR plateau phase on quantitative PCR. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1994, 1219, 493-498.	2.4	74
24	Analysis of Scc1â€deficient cells defines a key metaphase role of vertebrate cohesin in linking sister kinetochores. EMBO Reports, 2004, 5, 167-171.	4.5	68
25	Centrin2 regulates CP110 removal in primary cilium formation. Journal of Cell Biology, 2015, 208, 693-701.	5.2	64
26	Proteomic analysis of human metaphase chromosomes reveals topoisomerase II alpha as an Aurora B substrate. Nucleic Acids Research, 2002, 30, 5318-5327.	14.5	60
27	A Centrosome-autonomous Signal That Involves Centriole Disengagement Permits Centrosome Duplication in G2 Phase after DNA Damage. Molecular Biology of the Cell, 2010, 21, 3866-3877.	2.1	53
28	Such small hands: the roles of centrins/caltractins in the centriole and in genome maintenance. Cellular and Molecular Life Sciences, 2012, 69, 2979-2997.	5.4	53
29	Centrosomes in the DNA damage responseâ€"the hub outside the centre. Chromosome Research, 2016, 24, 35-51.	2.2	52
30	Defective nucleotide excision repair with normal centrosome structures and functions in the absence of all vertebrate centrins. Journal of Cell Biology, 2011, 193, 307-318.	5.2	51
31	Reverse genetic studies of homologous DNA recombination using the chicken Bâ€"lymphocyte line, DT40. Philosophical Transactions of the Royal Society B: Biological Sciences, 2001, 356, 111-117.	4.0	48
32	Roles of Vertebrate Smc5 in Sister Chromatid Cohesion and Homologous Recombinational Repair. Molecular and Cellular Biology, 2011, 31, 1369-1381.	2.3	46
33	DNA damage induces Chk1-dependent threonine-160 phosphorylation and activation of Cdk2. Oncogene, 2010, 29, 616-624.	5.9	41
34	The Nse2/Mms21 SUMO ligase of the Smc5/6 complex in the maintenance of genome stability. FEBS Letters, 2011, 585, 2907-2913.	2.8	41
35	C-NAP1 and rootletin restrain DNA damage-induced centriole splitting and facilitate ciliogenesis. Cell Cycle, 2012, 11, 3769-3778.	2.6	40
36	Nek5 promotes centrosome integrity in interphase and loss of centrosome cohesion in mitosis. Journal of Cell Biology, 2015, 209, 339-348.	5.2	40

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37	Oscillation of APC/C activity during cell cycle arrest promotes centrosome amplification. Journal of Cell Science, 2012, 125, 5353-68.	2.0	39
38	Reverse genetics of essential genes in tissue-culture cells: â€˜dead cells talkingâ€™. Trends in Cell Biology, 2002, 12, 281-287.	7.9	38
39	Centriole separation in DNA damageâ€induced centrosome amplification. Environmental and Molecular Mutagenesis, 2009, 50, 725-732.	2.2	37
40	Gene-targeted CEP164-deficient cells show a ciliation defect with intact DNA repair capacity. Journal of Cell Science, 2016, 129, 1769-74.	2.0	36
41	Chromosome damage and progression into and through mitosis in vertebrates. DNA Repair, 2004, 3, 1133-1139.	2.8	35
42	Genetic analysis of homologous DNA recombination in vertebrate somatic cells. International Journal of Biochemistry and Cell Biology, 2000, 32, 817-831.	2.8	34
43	Calcium-Binding Capacity of Centrin2 Is Required for Linear POC5 Assembly but Not for Nucleotide Excision Repair. PLoS ONE, 2013, 8, e68487.	2.5	31
44	Sister chromatid cohesion and genome stability in vertebrate cells. Biochemical Society Transactions, 2003, 31, 263-265.	3.4	27
45	MCPH1/BRIT1 limits ionizing radiation-induced centrosome amplification. Oncogene, 2010, 29, 5537-5544.	5.9	27
46	Centrobin controls primary ciliogenesis in vertebrates. Journal of Cell Biology, 2018, 217, 1205-1215.	5.2	26
47	The Rad51 Paralog Rad51B Promotes Homologous Recombinational Repair. Molecular and Cellular Biology, 2000, 20, 6476-6482.	2.3	26
48	Centriole splitting caused by loss of the centrosomal linker protein C-NAP1 reducesÂcentriolar satellite density and impedesÂcentrosome amplification. Molecular Biology of the Cell, 2017, 28, 736-745.	2.1	25
49	Opposing effects of pericentrin and microcephalin on the pericentriolar material regulate CHK1 activation in the DNA damage response. Oncogene, 2016, 35, 2003-2010.	5.9	24
50	Abnormal centrosomal structure and duplication in Cep135-deficient vertebrate cells. Molecular Biology of the Cell, 2013, 24, 2645-2654.	2.1	23
51	Ciliary abnormalities in senescent human fibroblasts impair proliferative capacity. Cell Cycle, 2014, 13, 2773-2779.	2.6	22
52	Increased sister chromatid cohesion and DNA damage response factor localization at an enzyme-induced DNA double-strand break in vertebrate cells. Nucleic Acids Research, 2009, 37, 6054-6063.	14.5	21
53	Proteomics Analysis with a Nano Random Forest Approach Reveals Novel Functional Interactions Regulated by SMC Complexes on Mitotic Chromosomes. Molecular and Cellular Proteomics, 2016, 15, 2802-2818.	3.8	20
54	Aggresome assembly at the centrosome is driven by CP110â€“CEP97â€“CEP290 and centriolar satellites. Nature Cell Biology, 2022, 24, 483-496.	10.3	18

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55	Centrosome amplification in CHO and DT40 cells by inactivation of cyclinâ€dependent kinases. Cytoskeleton, 2011, 68, 446-458.	2.0	17
56	Melanin Distribution in Human Skin: Influence of Cytoskeletal, Polarity, and Centrosome-Related Machinery of Stratum basale Keratinocytes. International Journal of Molecular Sciences, 2021, 22, 3143.	4.1	17
57	Promoter hijack reveals pericentrin functions in mitosis and the DNA damage response. Cell Cycle, 2013, 12, 635-646.	2.6	15
58	Differential requirements for the EF-hands of human centrin2 in primary ciliogenesis and nucleotide excision repair. Journal of Cell Science, 2019, 132, .	2.0	14
59	SUMO ligase activity of vertebrate Mms21/Nse2 is required for efficient DNA repair but not for Smc5/6 complex stability. DNA Repair, 2012, 11, 799-810.	2.8	12
60	Protein stability versus function: effects of destabilizing missense mutations on <i>BRCA1</i> DNA repair activity. Biochemical Journal, 2015, 466, 613-624.	3.7	12
61	Trf1 Is Not Required for Proliferation or Functional Telomere Maintenance in Chicken DT40 Cells. Molecular Biology of the Cell, 2009, 20, 2563-2571.	2.1	10
62	Ku70 prevents genome instability resulting from heterozygosity of the telomerase RNA component in a vertebrate tumour line. DNA Repair, 2008, 7, 713-724.	2.8	8
63	Altered gene regulation as a candidate mechanism by which ciliopathy gene SDCCAG8 contributes to schizophrenia and cognitive function. Human Molecular Genetics, 2020, 29, 407-417.	2.9	8
64	Molecular causes of primary microcephaly and related diseases: a report from the UNIA Workshop. Chromosoma, 2020, 129, 115-120.	2.2	5
65	Centrosomes, DNA Damage and Aneuploidy. , 2012, , 223-241.		5
66	Primary cilia and the DNA damage response: linking a cellular antenna and nuclear signals. Biochemical Society Transactions, 2021, 49, 829-841.	3.4	4
67	Getting permission: How DNA damage causes centrosome amplification. Cell Cycle, 2011, 10, 1890-1891.	2.6	3
68	KIFC3 directs a centrosome cohesive force. Nature Cell Biology, 2019, 21, 1057-1059.	10.3	1
69	How CEP164 ciliopathy mutations impair ciliogenesis. Structure, 2022, 30, 4-5.	3.3	1
70	BOOSTER: Development of a toolbox for triage of large group of individuals exposed to radioactive material. , 2013, , .		0
71	How Can Hematopoietic Stem Cells and Myeloid Progenitors Become Transformed?.. Blood, 2008, 112, 1389-1389.	1.4	0
72	Increased Î³H2AX Foci in Old Hematopoietic Stem Cells Are Independent of the DNA Damage Response and Linked to Inefficient DNA Replication/Transcription. Blood, 2012, 120, 1207-1207.	1.4	0