

Chiara Mondello

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

83
papers

2,264
citations

29
h-index

45
g-index

89
ext. papers

2,530
ext. citations

5.9
avg. IF

4.26
L-index

#	Paper	IF	Citations
83	Assessing the carcinogenic potential of low-dose exposures to chemical mixtures in the environment: the challenge ahead. <i>Carcinogenesis</i> , 2015 , 36 Suppl 1, S254-96	4.6	176
82	Causes of genome instability: the effect of low dose chemical exposures in modern society. <i>Carcinogenesis</i> , 2015 , 36 Suppl 1, S61-88	4.6	100
81	Telomere length in fibroblasts and blood cells from healthy centenarians. <i>Experimental Cell Research</i> , 1999 , 248, 234-42	4.2	90
80	X-linked ichthyosis, due to steroid sulphatase deficiency, associated with Kallmann syndrome (hypogonadotropic hypogonadism and anosmia): linkage relationships with Xg and cloned DNA sequences from the distal short arm of the X chromosome. <i>Human Genetics</i> , 1986 , 72, 237-40	6.3	84
79	Stable cellular senescence is associated with persistent DDR activation. <i>PLoS ONE</i> , 2014 , 9, e110969	3.7	83
78	The effect of environmental chemicals on the tumor microenvironment. <i>Carcinogenesis</i> , 2015 , 36 Suppl 1, S160-83	4.6	79
77	Telomere-independent functions of telomerase in nuclei, cytoplasm, and mitochondria. <i>Frontiers in Oncology</i> , 2012 , 2, 133	5.3	74
76	Optofluidic integrated cell sorter fabricated by femtosecond lasers. <i>Lab on A Chip</i> , 2012 , 12, 3779-84	7.2	71
75	Insertion of telomeric repeats at intrachromosomal break sites during primate evolution. <i>Genome Research</i> , 2004 , 14, 1704-10	9.7	67
74	Metabolic reprogramming and dysregulated metabolism: cause, consequence and/or enabler of environmental carcinogenesis?. <i>Carcinogenesis</i> , 2015 , 36 Suppl 1, S203-31	4.6	61
73	Homologous expressed genes in the human sex chromosome pairing region. <i>Nature</i> , 1985 , 317, 739-41	50.4	59
72	Replication protein A and proliferating cell nuclear antigen coordinate DNA polymerase selection in 8-oxo-guanine repair. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 20689-94	11.5	58
71	Absence of methylation of a CpG-rich region at the 5Vend of the MIC2 gene on the active X, the inactive X, and the Y chromosome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1988 , 85, 5605-9	11.5	58
70	Contribution of telomerase RNA retrotranscription to DNA double-strand break repair during mammalian genome evolution. <i>Genome Biology</i> , 2007 , 8, R260	18.3	52
69	Instability of interstitial telomeric sequences in the human genome. <i>Genomics</i> , 2000 , 68, 111-7	4.3	51
68	An integrated optofluidic device for single-cell sorting driven by mechanical properties. <i>Lab on A Chip</i> , 2015 , 15, 1262-6	7.2	46
67	p53 codon 72 alleles influence the response to anticancer drugs in cells from aged people by regulating the cell cycle inhibitor p21WAF1. <i>Cell Cycle</i> , 2005 , 4, 1264-71	4.7	46

66	Telomeres, telomerase, and apoptosis. <i>Biochemistry and Cell Biology</i> , 2004 , 82, 498-507	3.6	45
65	Molecular organization of internal telomeric sequences in Chinese hamster chromosomes. <i>Gene</i> , 2002 , 283, 11-6	3.8	45
64	Mechanisms of environmental chemicals that enable the cancer hallmark of evasion of growth suppression. <i>Carcinogenesis</i> , 2015 , 36 Suppl 1, S2-18	4.6	44
63	Karyotype instability and anchorage-independent growth in telomerase-immortalized fibroblasts from two centenarian individuals. <i>Biochemical and Biophysical Research Communications</i> , 2003 , 308, 914-21	3.4	42
62	Reduced expression of the ROCK inhibitor Rnd3 is associated with increased invasiveness and metastatic potential in mesenchymal tumor cells. <i>PLoS ONE</i> , 2010 , 5, e14154	3.7	38
61	Stepwise neoplastic transformation of a telomerase immortalized fibroblast cell line. <i>Cancer Research</i> , 2005 , 65, 11411-8	10.1	36
60	New mammalian cellular systems to study mutations introduced at the break site by non-homologous end-joining. <i>DNA Repair</i> , 2005 , 4, 546-55	4.3	35
59	Chemical compounds from anthropogenic environment and immune evasion mechanisms: potential interactions. <i>Carcinogenesis</i> , 2015 , 36 Suppl 1, S111-27	4.6	34
58	Telomeric fusions in cultured human fibroblasts as a source of genomic instability. <i>Cancer Genetics and Cytogenetics</i> , 1997 , 95, 130-6		34
57	Gene amplification, radiation sensitivity and DNA double-strand breaks. <i>Mutation Research - Reviews in Mutation Research</i> , 2010 , 704, 29-37	7	31
56	Telomerase: cellular immortalization and neoplastic transformation. Multiple functions of a multifaceted complex. <i>Cytogenetic and Genome Research</i> , 2008 , 122, 255-62	1.9	30
55	The impact of low-dose carcinogens and environmental disruptors on tissue invasion and metastasis. <i>Carcinogenesis</i> , 2015 , 36 Suppl 1, S128-59	4.6	29
54	Assessing the carcinogenic potential of low-dose exposures to chemical mixtures in the environment: focus on the cancer hallmark of tumor angiogenesis. <i>Carcinogenesis</i> , 2015 , 36 Suppl 1, S184-202	4.6	28
53	Increased gene amplification in immortal rodent cells deficient for the DNA-dependent protein kinase catalytic subunit. <i>Cancer Research</i> , 2001 , 61, 4520-5	10.1	28
52	The potential for chemical mixtures from the environment to enable the cancer hallmark of sustained proliferative signalling. <i>Carcinogenesis</i> , 2015 , 36 Suppl 1, S38-60	4.6	27
51	Disruptive chemicals, senescence and immortality. <i>Carcinogenesis</i> , 2015 , 36 Suppl 1, S19-37	4.6	26
50	Chromosomal instability and telomere length variations during the life span of human fibroblast clones. <i>Experimental Cell Research</i> , 1997 , 236, 385-96	4.2	26
49	Chromosomal effects of methotrexate on cultured human lymphocytes. <i>Mutation Research-Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1984 , 139, 67-70		26

48	Disruptive environmental chemicals and cellular mechanisms that confer resistance to cell death. <i>Carcinogenesis</i> , 2015 , 36 Suppl 1, S89-110	4.6	25
47	Aphidicolin does not inhibit the repair synthesis of mitotic chromosomes. <i>Biochemical and Biophysical Research Communications</i> , 1981 , 99, 1287-94	3.4	22
46	An optofluidic constriction chip for monitoring metastatic potential and drug response of cancer cells. <i>Integrative Biology (United Kingdom)</i> , 2015 , 7, 477-84	3.7	21
45	Physical mapping of genes and sequences at the end of the human X chromosome short arm. <i>Annals of Human Genetics</i> , 1987 , 51, 137-43	2.2	21
44	Analysis of methylation of a human X located gene which escapes X inactivation. <i>Nucleic Acids Research</i> , 1988 , 16, 6813-24	20.1	20
43	A comprehensive strategy for the analysis of acoustic compressibility and optical deformability on single cells. <i>Scientific Reports</i> , 2016 , 6, 23946	4.9	19
42	Apoptosis: a way to maintain healthy individuals. <i>Sub-Cellular Biochemistry</i> , 2010 , 50, 307-23	5.5	19
41	Gamma-ray and hydrogen peroxide induction of gene amplification in hamster cells deficient in DNA double strand break repair. <i>DNA Repair</i> , 2002 , 1, 483-93	4.3	16
40	Gene amplification in human cells knocked down for RAD54. <i>Genome Integrity</i> , 2011 , 2, 5	0.8	13
39	Drug treatment of cancer cell lines: a way to select for cancer stem cells?. <i>Cancers</i> , 2011 , 3, 1111-28	6.6	13
38	Transfer of a human chromosomal vector from a hamster cell line to a mouse embryonic stem cell line. <i>Stem Cells</i> , 2007 , 25, 2543-50	5.8	13
37	Interstitial telomeric repeats are not preferentially involved in radiation-induced chromosome aberrations in human cells. <i>Cytogenetic and Genome Research</i> , 2004 , 104, 123-30	1.9	13
36	A basal level of DNA damage and telomere deprotection increases the sensitivity of cancer cells to G-quadruplex interactive compounds. <i>Nucleic Acids Research</i> , 2015 , 43, 1759-69	20.1	12
35	Satellite DNA induces unstable expression of the adjacent herpes simplex virus tk gene cotransfected in mouse cells. <i>Molecular and Cellular Biology</i> , 1988 , 8, 1336-44	4.8	12
34	Cross-analysis of gene and miRNA genome-wide expression profiles in human fibroblasts at different stages of transformation. <i>OMICS A Journal of Integrative Biology</i> , 2012 , 16, 24-36	3.8	11
33	Poly(ADP-ribosylation) and neoplastic transformation: effect of PARP inhibitors. <i>Current Pharmaceutical Biotechnology</i> , 2013 , 14, 524-36	2.6	11
32	Telomere and telomerase stability in human diseases and cancer. <i>Frontiers in Bioscience - Landmark</i> , 2016 , 21, 203-24	2.8	11
31	The catalytic and the RNA subunits of human telomerase are required to immortalize equid primary fibroblasts. <i>Chromosoma</i> , 2012 , 121, 475-88	2.8	9

30	Structural instability of a transmissible end-to-end dicentric chromosome in a xeroderma pigmentosum fibroblast clone. <i>Cancer Genetics and Cytogenetics</i> , 1995 , 79, 41-8		8
29	Telomere length and radiosensitivity in human fibroblast clones immortalized by ectopic telomerase expression. <i>Oncology Reports</i> , 2008 , 19, 1605-9	3.5	8
28	Snail levels control the migration mechanism of mesenchymal tumor cells. <i>Oncology Letters</i> , 2016 , 12, 767-771	2.6	7
27	Enhanced gene amplification in human cells knocked down for DNA-PKcs. <i>DNA Repair</i> , 2009 , 8, 19-28	4.3	7
26	Condensation anomalies and exclusion in micronuclei of rearranged chromosomes in human fibroblasts cultured in vitro. <i>Chromosoma</i> , 1995 , 104, 137-42	2.8	7
25	Sensitivity to DNA-damaging agents and mutation induction by UV light in UV-sensitive CHO cells. <i>Mutation Research-Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1986 , 174, 155-9		7
24	Inhibition of gene amplification in telomerase deficient immortalized mouse embryonic fibroblasts. <i>Carcinogenesis</i> , 2007 , 28, 553-9	4.6	6
23	Oxidative stress response in telomerase-immortalized fibroblasts from a centenarian. <i>Annals of the New York Academy of Sciences</i> , 2006 , 1091, 94-101	6.5	6
22	Chromosomal end-to-end fusions in immortalized mouse embryonic fibroblasts deficient in the DNA-dependent protein kinase catalytic subunit. <i>Cancer Letters</i> , 2004 , 203, 79-86	9.9	6
21	Molecular analysis of the XP-D gene in Italian families with patients affected by trichothiodystrophy and xeroderma pigmentosum group D. <i>Mutation Research DNA Repair</i> , 1994 , 314, 159-65		6
20	Gene amplification in fibroblasts from ataxia telangiectasia (AT) patients and in X-ray hypersensitive AT-like Chinese hamster mutants. <i>Carcinogenesis</i> , 2001 , 22, 141-5	4.6	5
19	Occurrence and expansion of trisomy 7 in a fibroblast strain from a centenarian individual. <i>Experimental Gerontology</i> , 1999 , 34, 715-9	4.5	5
18	Gene amplification in Chinese hamster DNA repair deficient mutants. <i>Mutation Research-Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1995 , 346, 61-7		5
17	Multiple DNA-protein interactions at the CpG island of the human pseudoautosomal gene MIC2. <i>Somatic Cell and Molecular Genetics</i> , 1993 , 19, 51-63		5
16	Life style factors, tumor cell plasticity and cancer stem cells. <i>Mutation Research - Reviews in Mutation Research</i> , 2020 , 784, 108308	7	5
15	Cells with stemness features are generated from in vitro transformed human fibroblasts. <i>Scientific Reports</i> , 2018 , 8, 13838	4.9	5
14	Super-telomeres in transformed human fibroblasts. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2013 , 1833, 1885-93	4.9	4
13	Cellular response to glutamine and/or glucose deprivation in in vitro transformed human fibroblasts. <i>Oncology Reports</i> , 2019 , 41, 3555-3564	3.5	4

12	Cellular immortalization and neoplastic transformation: Simultaneous, sequential or independent? Telomeres, telomerase or karyotypic variations?. <i>Cell Cycle</i> , 2013 , 12, 1804-5	4.7	3
11	Relocalization of cell adhesion molecules during neoplastic transformation of human fibroblasts. <i>International Journal of Oncology</i> , 2011 , 39, 1199-204	4.4	3
10	Telomerase expression in somatic cells: fountain of youth or Damocles's sword?. <i>Cell Cycle</i> , 2006 , 5, 465-64.7		2
9	Late onset of CAD gene amplification in unamplified PALA resistant Chinese hamster mutants. <i>Cancer Letters</i> , 2000 , 150, 119-27	9.9	2
8	Enzymes of DNA metabolism in a patient with the Wiedemann-Rautenstrauch progeroid syndrome. <i>Annals of the New York Academy of Sciences</i> , 1992 , 663, 440-1	6.5	2
7	Cellular and genetic studies in three UV-sensitive Chinese hamster mutants. <i>Cytotechnology</i> , 1987 , 1, 91-4	2.2	2
6	Methylation and expression of a housekeeping gene. <i>Trends in Genetics</i> , 1985 , 1, 124-125	8.5	1
5	An integrated fluorescence activated cell sorter fabricated by femtosecond laser micromachining. <i>MATEC Web of Conferences</i> , 2013 , 8, 05007	0.3	
4	Telomeres. <i>Advances in Genome Biology</i> , 1998 , 323-361		
3	Loss of histone H2AX increases sensitivity of immortalized mouse fibroblasts to the topoisomerase II inhibitor etoposide 1992 , 33, 613		
2	Correlation between unscheduled DNA synthesis and chromosome condensation in mitoses from human lymphocytes. <i>Mutation Research-Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1985 , 142, 45-8		
1	Condensation anomalies and exclusion in micronuclei of rearranged chromosomes in human fibroblasts cultured in vitro. <i>Chromosoma</i> , 1995 , 104, 137-142	2.8	