

Chiara Mondello

List of Publications by Year in descending order

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Version: 2024-02-01

88
papers

2,791
citations

159525

30
h-index

189801

50
g-index

89
all docs

89
docs citations

89
times ranked

3992
citing authors

#	ARTICLE	IF	CITATIONS
1	Assessing the carcinogenic potential of low-dose exposures to chemical mixtures in the environment: the challenge ahead. <i>Carcinogenesis</i> , 2015, 36, S254-S296.	1.3	239
2	Causes of genome instability: the effect of low dose chemical exposures in modern society. <i>Carcinogenesis</i> , 2015, 36, S61-S88.	1.3	149
3	Stable Cellular Senescence Is Associated with Persistent DDR Activation. <i>PLoS ONE</i> , 2014, 9, e110969.	1.1	110
4	Telomere Length in Fibroblasts and Blood Cells from Healthy Centenarians. <i>Experimental Cell Research</i> , 1999, 248, 234-242.	1.2	100
5	The effect of environmental chemicals on the tumor microenvironment. <i>Carcinogenesis</i> , 2015, 36, S160-S183.	1.3	97
6	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, 237-240.	1.8	94
7	Metabolic reprogramming and dysregulated metabolism: cause, consequence and/or enabler of environmental carcinogenesis?. <i>Carcinogenesis</i> , 2015, 36, S203-S231.	1.3	93
8	Optofluidic integrated cell sorter fabricated by femtosecond lasers. <i>Lab on A Chip</i> , 2012, 12, 3779.	3.1	86
9	Insertion of Telomeric Repeats at Intrachromosomal Break Sites During Primate Evolution. <i>Genome Research</i> , 2004, 14, 1704-1710.	2.4	82
10	Telomere-independent functions of telomerase in nuclei, cytoplasm, and mitochondria. <i>Frontiers in Oncology</i> , 2012, 2, 133.	1.3	81
11	Homologous expressed genes in the human sex chromosome pairing region. <i>Nature</i> , 1985, 317, 739-741.	13.7	68
12	Contribution of telomerase RNA retrotranscription to DNA double-strand break repair during mammalian genome evolution. <i>Genome Biology</i> , 2007, 8, R260.	13.9	68
13	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, 20689-20694.	3.3	68
14	Absence of methylation of a CpG-rich region at the 5' end 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, 5605-5609.	3.3	59
15	Instability of Interstitial Telomeric Sequences in the Human Genome. <i>Genomics</i> , 2000, 68, 111-117.	1.3	55
16	An integrated optofluidic device for single-cell sorting driven by mechanical properties. <i>Lab on A Chip</i> , 2015, 15, 1262-1266.	3.1	55
17	Mechanisms of environmental chemicals that enable the cancer hallmark of evasion of growth suppression. <i>Carcinogenesis</i> , 2015, 36, S2-S18.	1.3	55
18	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.	1.1	54

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19	Telomeres, telomerase, and apoptosis. <i>Biochemistry and Cell Biology</i> , 2004, 82, 498-507.	0.9	53
20	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, 1264-1271.	1.3	50
21	Karyotype instability and anchorage-independent growth in telomerase-immortalized fibroblasts from two centenarian individuals. <i>Biochemical and Biophysical Research Communications</i> , 2003, 308, 914-921.	1.0	49
22	Molecular organization of internal telomeric sequences in Chinese hamster chromosomes. <i>Gene</i> , 2002, 283, 11-16.	1.0	47
23	Chemical compounds from anthropogenic environment and immune evasion mechanisms: potential interactions. <i>Carcinogenesis</i> , 2015, 36, S111-S127.	1.3	43
24	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, S184-S202.	1.3	41
25	Telomeric fusions in cultured human fibroblasts as a source of genomic instability. <i>Cancer Genetics and Cytogenetics</i> , 1997, 95, 130-136.	1.0	40
26	Stepwise Neoplastic Transformation of a Telomerase Immortalized Fibroblast Cell Line. <i>Cancer Research</i> , 2005, 65, 11411-11418.	0.4	40
27	Gene amplification, radiation sensitivity and DNA double-strand breaks. <i>Mutation Research - Reviews in Mutation Research</i> , 2010, 704, 29-37.	2.4	40
28	The impact of low-dose carcinogens and environmental disruptors on tissue invasion and metastasis. <i>Carcinogenesis</i> , 2015, 36, S128-S159.	1.3	40
29	New mammalian cellular systems to study mutations introduced at the break site by non-homologous end-joining. <i>DNA Repair</i> , 2005, 4, 546-555.	1.3	37
30	Telomerase: cellular immortalization and neoplastic transformation. Multiple functions of a multifaceted complex. <i>Cytogenetic and Genome Research</i> , 2008, 122, 255-262.	0.6	33
31	Disruptive environmental chemicals and cellular mechanisms that confer resistance to cell death. <i>Carcinogenesis</i> , 2015, 36, S89-S110.	1.3	33
32	Disruptive chemicals, senescence and immortality. <i>Carcinogenesis</i> , 2015, 36, S19-S37.	1.3	32
33	The potential for chemical mixtures from the environment to enable the cancer hallmark of sustained proliferative signalling. <i>Carcinogenesis</i> , 2015, 36, S38-S60.	1.3	32
34	Chromosomal effects of methotrexate on cultured human lymphocytes. <i>Mutation Research-Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1984, 139, 67-70.	1.2	31
35	Increased gene amplification in immortal rodent cells deficient for the DNA-dependent protein kinase catalytic subunit. <i>Cancer Research</i> , 2001, 61, 4520-5.	0.4	30
36	Chromosomal Instability and Telomere Length Variations during the Life Span of Human Fibroblast Clones. <i>Experimental Cell Research</i> , 1997, 236, 385-396.	1.2	29

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37	A comprehensive strategy for the analysis of acoustic compressibility and optical deformability on single cells. <i>Scientific Reports</i> , 2016, 6, 23946.	1.6	27
38	Physical mapping of genes and sequences at the end of the human X chromosome short arm. <i>Annals of Human Genetics</i> , 1987, 51, 137-143.	0.3	24
39	An optofluidic constriction chip for monitoring metastatic potential and drug response of cancer cells. <i>Integrative Biology (United Kingdom)</i> , 2015, 7, 477-484.	0.6	24
40	Apoptosis: A Way to Maintain Healthy Individuals. <i>Sub-Cellular Biochemistry</i> , 2010, 50, 307-323.	1.0	24
41	Aphidicolin does not inhibit the repair synthesis of mitotic chromosomes. <i>Biochemical and Biophysical Research Communications</i> , 1981, 99, 1287-1294.	1.0	23
42	Analysis of methylation of a human X located gene which escapes X inactivation. <i>Nucleic Acids Research</i> , 1988, 16, 6813-6824.	6.5	22
43	$\hat{\text{I}}^3$ -Ray and hydrogen peroxide induction of gene amplification in hamster cells deficient in DNA double strand break repair. <i>DNA Repair</i> , 2002, 1, 483-493.	1.3	19
44	Gene amplification in human cells knocked down for RAD54. <i>Genome Integrity</i> , 2011, 2, 5.	1.0	19
45	Drug Treatment of Cancer Cell Lines: A Way to Select for Cancer Stem Cells?. <i>Cancers</i> , 2011, 3, 1111-1128.	1.7	19
46	Transfer of a Human Chromosomal Vector from a Hamster Cell Line to a Mouse Embryonic Stem Cell Line. <i>Stem Cells</i> , 2007, 25, 2543-2550.	1.4	15
47	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, 1759-1769.	6.5	15
48	Interstitial telomeric repeats are not preferentially involved in radiation-induced chromosome aberrations in human cells. <i>Cytogenetic and Genome Research</i> , 2004, 104, 123-130.	0.6	15
49	The catalytic and the RNA subunits of human telomerase are required to immortalize equine primary fibroblasts. <i>Chromosoma</i> , 2012, 121, 475-488.	1.0	13
50	Telomere and telomerase stability in human diseases and cancer. <i>Frontiers in Bioscience - Landmark</i> , 2016, 21, 203-224.	3.0	13
51	Poly(ADP-ribosylation) and Neoplastic Transformation: Effect of PARP Inhibitors. <i>Current Pharmaceutical Biotechnology</i> , 2013, 14, 524-536.	0.9	13
52	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, 1336-1344.	1.1	12
53	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.	1.0	12
54	Enhanced gene amplification in human cells knocked down for DNA-PKcs. <i>DNA Repair</i> , 2009, 8, 19-28.	1.3	10

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55	Snail levels control the migration mechanism of mesenchymal tumor cells. <i>Oncology Letters</i> , 2016, 12, 767-771.	0.8	9
56	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, 155-159.	1.2	8
57	Structural instability of a transmissible end-to-end dicentric chromosome in a xeroderma pigmentosum fibroblast clone. <i>Cancer Genetics and Cytogenetics</i> , 1995, 79, 41-48.	1.0	8
58	Gene amplification in fibroblasts from ataxia telangiectasia (AT) patients and in X-ray hypersensitive AT-like Chinese hamster mutants. <i>Carcinogenesis</i> , 2001, 22, 141-145.	1.3	8
59	Oxidative Stress Response in Telomerase-Immortalized Fibroblasts from a Centenarian. <i>Annals of the New York Academy of Sciences</i> , 2006, 1091, 94-101.	1.8	8
60	Super-telomeres in transformed human fibroblasts. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2013, 1833, 1885-1893.	1.9	8
61	Cells with stemness features are generated from in vitro transformed human fibroblasts. <i>Scientific Reports</i> , 2018, 8, 13838.	1.6	8
62	Cellular response to glutamine and/or glucose deprivation in in vitro transformed human fibroblasts. <i>Oncology Reports</i> , 2019, 41, 3555-3564.	1.2	8
63	Telomere length and radiosensitivity in human fibroblast clones immortalized by ectopic telomerase expression. <i>Oncology Reports</i> , 2008, 19, 1605-9.	1.2	8
64	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, 159-165.	3.8	7
65	Gene amplification in Chinese hamster DNA repair deficient mutants. <i>Mutation Research-Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1995, 346, 61-67.	1.2	7
66	Condensation anomalies and exclusion in micronuclei of rearranged chromosomes in human fibroblasts cultured in vitro. <i>Chromosoma</i> , 1995, 104, 137-142.	1.0	7
67	Occurrence and expansion of trisomy 7 in a fibroblast strain from a centenarian individual. <i>Experimental Gerontology</i> , 1999, 34, 715-719.	1.2	7
68	Long telomeres and well preserved proliferative vigor in cells from centenarians: A contribution to longevity?. <i>Aging Clinical and Experimental Research</i> , 1999, 11, 69-72.	1.4	7
69	Inhibition of gene amplification in telomerase deficient immortalized mouse embryonic fibroblasts. <i>Carcinogenesis</i> , 2006, 28, 553-559.	1.3	7
70	Life style factors, tumor cell plasticity and cancer stem cells. <i>Mutation Research - Reviews in Mutation Research</i> , 2020, 784, 108308.	2.4	7
71	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.	3.2	6
72	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.	0.7	5

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73	Cellular immortalization and neoplastic transformation. <i>Cell Cycle</i> , 2013, 12, 1804-1805.	1.3	5
74	Cellular and genetic studies in three UV-sensitive Chinese hamster mutants. <i>Cytotechnology</i> , 1987, 1, 91-94.	0.7	4
75	Telomere length and radiosensitivity in human fibroblast clones immortalized by ectopic telomerase expression. <i>Oncology Reports</i> , 0, , .	1.2	4
76	Relocalization of cell adhesion molecules during neoplastic transformation of human fibroblasts. <i>International Journal of Oncology</i> , 2011, 39, 1199-204.	1.4	3
77	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, 440-441.	1.8	2
78	Loss of histone H2AX increases sensitivity of immortalized mouse fibroblasts to the topoisomerase II inhibitor etoposide. <i>International Journal of Oncology</i> , 1992, 33, 613.	1.4	2
79	Late onset of CAD gene amplification in unamplified PALA resistant Chinese hamster mutants. <i>Cancer Letters</i> , 2000, 150, 119-127.	3.2	2
80	Telomerase Expression in Somatic Cells: Fountain of Youth or Damoclesâ€™™ Sword?. <i>Cell Cycle</i> , 2006, 5, 465-466.	1.3	2
81	Methylation and expression of a housekeeping gene. <i>Trends in Genetics</i> , 1985, 1, 124-125.	2.9	1
82	Sorting on the basis of deformability of single cells in a femtosecond laser fabricated optofluidic device. , 2015, , .		1
83	Response to DNA-damaging agents in UV-sensitive mutants isolated from CHO cell line. <i>Mutation Research - Environmental Mutagenesis and Related Subjects Including Methodology</i> , 1985, 147, 322.	0.4	0
84	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, 45-48.	1.2	0
85	Telomeres. <i>Advances in Genome Biology</i> , 1998, , 323-361.	0.3	0
86	An integrated fluorescence activated cell sorter fabricated by femtosecond laser micromachining. <i>MATEC Web of Conferences</i> , 2013, 8, 05007.	0.1	0
87	A micro-opto-acousto-fluidic chip for single cell mechanics evaluation. , 2017, , .		0
88	Condensation anomalies and exclusion in micronuclei of rearranged chromosomes in human fibroblasts cultured in vitro. <i>Chromosoma</i> , 1995, 104, 137-142.	1.0	0