

# Gilberto Fronza

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8963236/publications.pdf>

Version: 2024-02-01

96  
papers

2,050  
citations

236612

25  
h-index

288905

40  
g-index

97  
all docs

97  
docs citations

97  
times ranked

2555  
citing authors

#	ARTICLE	IF	CITATIONS
1	The TP53 website: an integrative resource centre for the TP53 mutation database and TP53 mutant analysis. <i>Nucleic Acids Research</i> , 2013, 41, D962-D969.	6.5	138
2	p53 mutants can often transactivate promoters containing a p21 but not Bax or PIG3 responsive elements. <i>Oncogene</i> , 2001, 20, 3573-3579.	2.6	125
3	DNA adducts and chronic degenerative diseases. Pathogenetic relevance and implications in preventive medicine. <i>Mutation Research - Reviews in Genetic Toxicology</i> , 1996, 366, 197-238.	3.0	124
4	Dominant-Negative Features of Mutant TP53 in Germline Carriers Have Limited Impact on Cancer Outcomes. <i>Molecular Cancer Research</i> , 2011, 9, 271-279.	1.5	66
5	Tumour p53 mutations exhibit promoter selective dominance over wild type p53. <i>Oncogene</i> , 2002, 21, 1641-1648.	2.6	61
6	Amifostine (WR2721) restores transcriptional activity of specific p53 mutant proteins in a yeast functional assay. <i>Oncogene</i> , 2001, 20, 3533-3540.	2.6	57
7	p53 mutants exhibiting enhanced transcriptional activation and altered promoter selectivity are revealed using a sensitive, yeast-based functional assay. <i>Oncogene</i> , 2001, 20, 501-513.	2.6	55
8	Heterogeneity of TP53 Mutations and P53 Protein Residual Function in Cancer: Does It Matter?. <i>Frontiers in Oncology</i> , 2020, 10, 593383.	1.3	50
9	The biological effects of N3-methyladenine. <i>Journal of Cellular Biochemistry</i> , 2004, 91, 250-257.	1.2	49
10	Transcriptional Functionality of Germ Line p53 Mutants Influences Cancer Phenotype. <i>Clinical Cancer Research</i> , 2007, 13, 3789-3795.	3.2	48
11	Characterization of the p53 mutants ability to inhibit p73 <sup>Δ2</sup> transactivation using a yeast-based functional assay. <i>Oncogene</i> , 2003, 22, 5252-5260.	2.6	43
12	p53 Transactivation and the Impact of Mutations, Cofactors and Small Molecules Using a Simplified Yeast-Based Screening System. <i>PLoS ONE</i> , 2011, 6, e20643.	1.1	43
13	Simple identification of dominant p53 mutants by a yeast functional assay. <i>Carcinogenesis</i> , 1997, 18, 2019-2021.	1.3	41
14	Structure of p73 DNA-binding domain tetramer modulates p73 transactivation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 6066-6071.	3.3	41
15	Transactivation specificity is conserved among p53 family proteins and depends on a response element sequence code. <i>Nucleic Acids Research</i> , 2013, 41, 8637-8653.	6.5	41
16	The 4-nitroquinoline 1-oxide mutational spectrum in single stranded DNA is characterized by guanine to pyrimidine transversions. <i>Nucleic Acids Research</i> , 1992, 20, 1283-1287.	6.5	40
17	Determining mutational fingerprints at the human p53 locus with a yeast functional assay: a new tool for molecular epidemiology. <i>Oncogene</i> , 1997, 14, 1307-1313.	2.6	39
18	Relationship between DNA Methylation and Mutational Patterns Induced by a Sequence Selective Minor Groove Methylating Agent. <i>Journal of Biological Chemistry</i> , 1999, 274, 18327-18334.	1.6	39

#	ARTICLE	IF	CITATIONS
19	TP53 Mutants in the Tower of Babel of Cancer Progression. <i>Human Mutation</i> , 2014, 35, 689-701.	1.1	39
20	Autophagy induced by SAHA affects mutant P53 degradation and cancer cell survival. <i>Bioscience Reports</i> , 2019, 39, .	1.1	37
21	In vitro DNA modification by the ultimate carcinogen of 4-nitroquinoline-1-oxide: influence of superhelicity. <i>Carcinogenesis</i> , 1989, 10, 1589-1593.	1.3	31
22	Ultraviolet-light induced p53 mutational spectrum in yeast is indistinguishable from p53 mutations in human skin cancer. <i>Carcinogenesis</i> , 1998, 19, 741-746.	1.3	31
23	The yeast p53 functional assay: a new tool for molecular epidemiology. Hopes and facts. <i>Mutation Research - Reviews in Mutation Research</i> , 2000, 462, 293-301.	2.4	29
24	PRIMA-1 synergizes with adriamycin to induce cell death in non-small cell lung cancer cells. <i>Journal of Cellular Biochemistry</i> , 2008, 104, 2363-2373.	1.2	29
25	P53 Family Members Modulate the Expression of PRODH, but Not PRODH2, via Intronic p53 Response Elements. <i>PLoS ONE</i> , 2013, 8, e69152.	1.1	29
26	Etoposide-resistance in a neuroblastoma model cell line is associated with 13q14.3 mono-allelic deletion and miRNA-15a/16-1 down-regulation. <i>Scientific Reports</i> , 2018, 8, 13762.	1.6	29
27	Evidence in <i>Escherichia coli</i> that N3-Methyladenine Lesions Induced by a Minor Groove Binding Methyl Sulfonate Ester Can Be Processed by both Base and Nucleotide Excision Repair. <i>Biochemistry</i> , 2001, 40, 1796-1803.	1.2	25
28	TA-P63 and TA-P63 exhibit intrinsic differences in transactivation specificities that depend on distinct features of DNA target sites. <i>Oncotarget</i> , 2014, 5, 2116-2130.	0.8	25
29	PRIMA-1 induces autophagy in cancer cells carrying mutant or wild type p53. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2013, 1833, 1904-1913.	1.9	24
30	Gambogic acid counteracts mutant p53 stability by inducing autophagy. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2017, 1864, 382-392.	1.9	24
31	DNA Damage and Cytotoxicity Induced by Minor Groove Binding Methyl Sulfonate Esters. <i>Biochemistry</i> , 2003, 42, 14318-14327.	1.2	23
32	TP53 Mutations with Low Variant Allele Frequency Predict Short Survival in Chronic Lymphocytic Leukemia. <i>Clinical Cancer Research</i> , 2021, 27, 5566-5575.	3.2	23
33	Antitumor Effects of PRIMA-1 and PRIMA-1Met (APR246) in Hematological Malignancies: Still a Mutant P53-Dependent Affair?. <i>Cells</i> , 2021, 10, 98.	1.8	23
34	Analysis of 4-nitroquinoline-1-oxide induced mutations at the hprt locus in mammalian cells: possible involvement of preferential DNA repair. <i>Mutagenesis</i> , 1994, 9, 67-72.	1.0	21
35	PRIMA-1 cytotoxicity correlates with nucleolar localization and degradation of mutant p53 in breast cancer cells. <i>Biochemical and Biophysical Research Communications</i> , 2010, 402, 345-350.	1.0	21
36	The ultimate carcinogen of 4-nitroquinoline 1-oxide does not react with Z-DNA and hyperreacts with B-Z junctions. <i>Nucleic Acids Research</i> , 1994, 22, 314-320.	6.5	20

#	ARTICLE	IF	CITATIONS
37	Mutagenicity of N3-methyladenine: A multi-translesion polymerase affair. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2010, 683, 50-56.	0.4	20
38	Study on aneuploidy and p53 mutations in astrocytomas. <i>Cancer Genetics and Cytogenetics</i> , 1996, 88, 95-102.	1.0	19
39	Increased Risk of Colorectal Adenomas in Italian Subjects Carrying the p53 PIN3 A2-Pro72 Haplotype. <i>Digestion</i> , 2006, 74, 228-235.	1.2	19
40	EEC- and ADULT-Associated TP63 Mutations Exhibit Functional Heterogeneity Toward P63 Responsive Sequences. <i>Human Mutation</i> , 2013, 34, 894-904.	1.1	19
41	Influences of Base Excision Repair Defects on the Lethality and Mutagenicity Induced by Me-lex, a Sequence-selective N3-Adenine Methylating Agent. <i>Journal of Biological Chemistry</i> , 2002, 277, 28663-28668.	1.6	18
42	Nucleotide Excision Repair Defect Influences Lethality and Mutagenicity Induced by Me-lex, a Sequence-Selective N3-Adenine Methylating Agent in the Absence of Base Excision Repair. <i>Biochemistry</i> , 2004, 43, 5592-5599.	1.2	18
43	Impact of MDM2 SNP309 genotype on progression and survival of stage 4 neuroblastoma. <i>European Journal of Cancer</i> , 2008, 44, 2634-2639.	1.3	17
44	p53 SNP309 genotype influences survival of metastatic but not of localized neuroblastoma. <i>Pediatric Blood and Cancer</i> , 2009, 53, 576-583.	0.8	17
45	p53 Mutations and DNA Ploidy in Colorectal Adenocarcinomas. <i>Analytical Cellular Pathology</i> , 1998, 17, 1-12.	2.1	14
46	Rev1 and Pol $\eta$ influence toxicity and mutagenicity of Me-lex, a sequence selective N3-adenine methylating agent. <i>DNA Repair</i> , 2008, 7, 431-438.	1.3	14
47	p53 mutations experimentally induced by 8-methoxypsoralen plus UVA (PUVA) differ from those found in human skin cancers in PUVA-treated patients. <i>Mutagenesis</i> , 2000, 15, 127-132.	1.0	13
48	SLMP53-1 interacts with wild-type and mutant p53 DNA-binding domain and reactivates multiple hotspot mutations. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2020, 1864, 129440.	1.1	13
49	Time to first treatment and P53 dysfunction in chronic lymphocytic leukaemia: results of the O-CLL1 study in early stage patients. <i>Scientific Reports</i> , 2020, 10, 18427.	1.6	13
50	The kinetics of p53-binding and histone acetylation at target promoters do not strictly correlate with gene expression after UV damage. <i>Journal of Cellular Biochemistry</i> , 2007, 100, 1276-1287.	1.2	12
51	TP63 mutations are frequent in cutaneous melanoma, support UV etiology, but their role in melanomagenesis is unclear. <i>Oncology Reports</i> , 2017, 38, 1985-1994.	1.2	12
52	Defective splicing induced by 4NQO in the hamster hprt gene. <i>Mutation Research-Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1994, 323, 159-165.	1.2	11
53	Studying p53 family proteins in yeast: Induction of autophagic cell death and modulation by interactors and small molecules. <i>Experimental Cell Research</i> , 2015, 330, 164-177.	1.2	11
54	NEAT1 Long Isoform Is Highly Expressed in Chronic Lymphocytic Leukemia Irrespectively of Cytogenetic Groups or Clinical Outcome. <i>Non-coding RNA</i> , 2020, 6, 11.	1.3	11

#	ARTICLE	IF	CITATIONS
55	TP53 dysfunction in chronic lymphocytic leukemia: clinical relevance in the era of B-cell receptors and BCL-2 inhibitors. <i>Expert Opinion on Investigational Drugs</i> , 2020, 29, 869-880.	1.9	10
56	5-Methylcytosine at HpaII sites in p53 is not hypermutable after UVC irradiation. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1999, 431, 93-103.	0.4	9
57	Multiple mutations and frameshifts are the hallmark of defective hPMS2 in pZ189-transfected human tumor cells. <i>Nucleic Acids Research</i> , 2000, 28, 2577-2584.	6.5	9
58	Structural Studies on Mechanisms to Activate Mutant p53. <i>Sub-Cellular Biochemistry</i> , 2014, 85, 119-132.	1.0	9
59	The <i>CDKN2A/p16<sup>INK4a</sup></i> 5'UTR sequence and translational regulation: impact of novel variants predisposing to melanoma. <i>Pigment Cell and Melanoma Research</i> , 2016, 29, 210-221.	1.5	9
60	Yeast As a Chassis for Developing Functional Assays to Study Human P53. <i>Journal of Visualized Experiments</i> , 2019, , .	0.2	9
61	Mutation spectrum of 4-nitroquinoline 1-oxide-damaged single-stranded shuttle vector DNA transfected into monkey cells. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1994, 308, 117-125.	0.4	8
62	Defective nuclear localization of p53 protein in a Chinese hamster cell line is associated with the formation of stable cytoplasmic protein multimers in cells with gene amplification. <i>Carcinogenesis</i> , 2000, 21, 1631-1638.	1.3	8
63	<i>TP53</i> disruption as a risk factor in the era of targeted therapies: A multicenter retrospective study of 525 chronic lymphocytic leukemia cases. <i>American Journal of Hematology</i> , 2021, 96, E306-E310.	2.0	8
64	Analysis of stepwise genetic changes in an AIDS-related Burkitt's lymphoma. <i>International Journal of Cancer</i> , 2000, 88, 744-750.	2.3	7
65	Involvement of human p53 in induced intrachromosomal recombination in <i>Saccharomyces cerevisiae</i> . <i>Mutagenesis</i> , 2004, 19, 333-339.	1.0	7
66	3-Methyl-3-deazaadenine, a stable isostere of N3-methyl-adenine, is efficiently bypassed by replication in vivo and by transcription in vitro. <i>DNA Repair</i> , 2011, 10, 861-868.	1.3	7
67	Validation of a survival-risk score (SRS) in relapsed/refractory CLL patients treated with idelalisib+rituximab. <i>Blood Cancer Journal</i> , 2020, 10, 92.	2.8	7
68	Potential Role of miRNAs in the Acquisition of Chemoresistance in Neuroblastoma. <i>Journal of Personalized Medicine</i> , 2021, 11, 107.	1.1	7
69	Heterogeneous p53 mutations in a Burkitt lymphoma from an AIDS patient with monoclonal-myc and VDJ rearrangements. , 1997, 73, 816-821.		6
70	Effect of N3-Methyladenine and an Isosteric Stable Analogue on DNA Polymerization. <i>Journal of Nucleic Acids</i> , 2010, 2010, 1-14.	0.8	6
71	Human transcription factors in yeast: the fruitful examples of P53 and NF- $\kappa$ B. <i>FEMS Yeast Research</i> , 2016, 16, fow083.	1.1	6
72	Evaluating the Influence of a G-Quadruplex Prone Sequence on the Transactivation Potential by Wild-Type and/or Mutant P53 Family Proteins through a Yeast-Based Functional Assay. <i>Genes</i> , 2021, 12, 277.	1.0	6

#	ARTICLE	IF	CITATIONS
73	Lymphocyte Doubling Time As A Key Prognostic Factor To Predict Time To First Treatment In Early-Stage Chronic Lymphocytic Leukemia. <i>Frontiers in Oncology</i> , 2021, 11, 684621.	1.3	6
74	Lack of mutations in K-ras codons 12 and 13 in human atherosclerotic lesions. <i>Chemico-Biological Interactions</i> , 1996, 102, 55-62.	1.7	5
75	High frequency of genomic deletions induced by Me-lex, a sequence selective N3-adenine methylating agent, at the Hprt locus in Chinese hamster ovary cells. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2009, 671, 58-66.	0.4	5
76	<i>MDM2</i> SNP309 genotype is associated with ferritin and LDH serum levels in children with stage 4 neuroblastoma. <i>Pediatric Blood and Cancer</i> , 2010, 55, 267-272.	0.8	5
77	Comparison of ibrutinib and idelalisib plus rituximab in real-life relapsed/resistant chronic lymphocytic leukemia cases. <i>European Journal of Haematology</i> , 2021, 106, 493-499.	1.1	5
78	P63 modulates the expression of the WDFY2 gene which is implicated in cancer regulation and limb development. <i>Bioscience Reports</i> , 2019, 39, .	1.1	5
79	Stable formation of mutated p53 multimers in a Chinese hamster cell line causes defective p53 nuclear localization and abrogates its residual function. <i>Journal of Cellular Biochemistry</i> , 2006, 98, 1689-1700.	1.2	4
80	Transcriptional properties of feline p53 and its tumour-associated mutants: a yeast-based approach. <i>Mutagenesis</i> , 2007, 22, 417-423.	1.0	4
81	Extent of helix perturbation associated with DNA modification by the o-acetyl derivative of the carcinogen 4-hydroxyaminoquinoline-1-oxide. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1990, 1087, 330-335.	2.4	3
82	Mutation spectra analysis suggests that N-(2-chloroethyl)-N <sup>ε</sup> -cyclohexyl-N-nitrosourea-induced lesions are subject to transcription-coupled repair in <i>Escherichia coli</i> . , 1997, 19, 39-45.		3
83	Partial characterization of SUV <sub>i</sub> , a new mammalian gene induced by UV-c and expressed during the S phase of the cell cycle. <i>Environmental and Molecular Mutagenesis</i> , 2001, 37, 76-84.	0.9	3
84	Comparison of the biological effects of MMS and Me-lex, a minor groove methylating agent: Clarifying the role of N3-methyladenine. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2014, 759, 45-51.	0.4	3
85	MiR-146b-5p regulates IL-23 receptor complex expression in chronic lymphocytic leukemia cells. <i>Blood Advances</i> , 2022, 6, 5593-5612.	2.5	3
86	Mutational specificity of 1-(2-chloroethyl)-3-cyclohexyl-1-nitrosourea in <i>Escherichia coli</i> : Comparison of in vivo with in vitro exposure of the supF gene. , 1997, 30, 65-71.		2
87	XRCC1 deficiency influences the cytotoxicity and the genomic instability induced by Me-lex, a specific inducer of N3-methyladenine. <i>DNA Repair</i> , 2010, 9, 728-736.	1.3	1
88	MicroRNA-Mutant P53 Crosstalk in Chemoresistance: A Hint to Monitor Therapy Outcome. <i>MicroRNA (Sharjah, United Arab Emirates)</i> , 2021, 9, 322-335.	0.6	1
89	Interaction between supercoiled DNA and the o-acetyl derivative of the carcinogen 4-nitroquinoline 1-oxide. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1987, 181, 337.	0.4	0
90	4-Acetoxyaminoquinoline-1-oxide-induced mutations in the ssM13lacZ' phage DNA. <i>Mutation Research - Environmental Mutagenesis and Related Subjects Including Methodology</i> , 1991, 252, 203-204.	0.4	0

#	ARTICLE	IF	CITATIONS
91	4-NQO mutational spectrum in ssDNA reveals a correlation between the C8 guanine adduct and G to Pyr transversions. Mutation Research - Environmental Mutagenesis and Related Subjects Including Methodology, 1992, 271, 151.	0.4	0
92	Concentration-dependent mutational hotspots induced by the antineoplastic drug chloroethyl-cyclohexyl-nitroso-urea in mammalian cells. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1996, 352, 47-49.	0.4	0
93	Derivative Chromosome 17 in a Case of Burkitt Lymphoma with 8;14 Translocation. Cancer Genetics and Cytogenetics, 1999, 110, 1-6.	1.0	0
94	Identification of a novel TP53 germline mutation in a large Italian Fraumeni syndrome Family. Pediatric Blood and Cancer, 2009, 52, 303-304.	0.8	0
95	Abstract 3402: N-p63 and TA-p63 exhibit intrinsic differences in transactivation specificities that depend on distinct features of DNA target sites. , 2014, , .		0
96	Abstract 2883: Impact of novel CDKN2A/p16INK4a 5'UTR variants predisposing to melanoma on p16 translational regulation. , 2016, , .		0