Alvaro Galli

List of Publications by Year in descending order

88 papers	1,576 citations	361413 20 h-index	361022 35 g-index
88 all docs	88 docs citations	88 times ranked	2126 citing authors

#	Article	IF	Citations
1	A guide for functional analysis ofBRCA1variants of uncertain significance. Human Mutation, 2012, 33, 1526-1537.	2.5	117
2	Functional Assays for Analysis of Variants of Uncertain Significance inBRCA2. Human Mutation, 2014, 35, 151-164.	2.5	107
3	Effects of DNA Double-Strand and Single-Strand Breaks on Intrachromosomal Recombination Events in Cell-Cycle-Arrested Yeast Cells. Genetics, 1998, 149, 1235-1250.	2.9	70
4	On the mechanism of UV and Î³-ray-induced intrachromosomal recombination in yeast cells synchronized in different stages of the cell cycle. Molecular Genetics and Genomics, 1995, 248, 301-310.	2.4	60
5	Effects of single and fractionated low-dose irradiation on vascular endothelial cells. Atherosclerosis, 2014, 235, 510-518.	0.8	60
6	Cell division transforms mutagenic lesions into deletion-recombinagenic lesions in yeast cells. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1999, 429, 13-26.	1.0	52
7	DNA Damage and Repair in Atherosclerosis: Current Insights and Future Perspectives. International Journal of Molecular Sciences, 2012, 13, 16929-16944.	4.1	52
8	DNA modifications in atherosclerosis: From the past to the future. Atherosclerosis, 2013, 230, 202-209.	0.8	51
9	The expanding role of yeast in cancer research and diagnosis: insights into the function of the oncosuppressors p53 and BRCA1/2. FEMS Yeast Research, 2014, 14, 2-16.	2.3	51
10	Hydroxyurea induces recombination in dividing but not in G1 or G2 cell cycle arrested yeast cells. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1996, 354, 69-75.	1.0	43
11	Potentiation of gene targeting in human cells by expression of Saccharomyces cerevisiae Rad52. Nucleic Acids Research, 2005, 33, 4639-4648.	14.5	42
12	A yeast recombination assay to characterize humanBRCA1missense variants of unknown pathological significance. Human Mutation, 2009, 30, 123-133.	2.5	39
13	PRMT11: a new Arabidopsis MBD7 protein partner with arginine methyltransferase activity. Plant Journal, 2007, 52, 210-222.	5.7	35
14	Genotoxicity of vanadium compounds in yeast and cultured mammalian cells. Teratogenesis, Carcinogenesis, and Mutagenesis, 1991, 11, 175-183.	0.8	32
15	BRCA1 Circos: a visualisation resource for functional analysis of missense variants. Journal of Medical Genetics, 2015, 52, 224-230.	3.2	32
16	Yeast Screens Identify the RNA Polymerase II CTD and SPT5 as Relevant Targets of BRCA1 Interaction. PLoS ONE, 2008, 3, e1448.	2.5	28
17	Salmonella test positive and negative carcinogens show different effects on intrachromosomal recombination in G2 cell cycle arrested yeast cells. Carcinogenesis, 1995, 16, 659-663.	2.8	27
18	Genetic and biochemical studies on perchloroethylene â€˜in vitroâ€™ and â€˜in vivoâ€™. Mutation Research - Genetic Toxicology Testing and Biomonitoring of Environmental Or Occupational Exposure, 1983, 116, 323-331.	1.2	26

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19	Inhibition of DNA Repair in Cancer Therapy: Toward a Multi-Target Approach. International Journal of Molecular Sciences, 2020, 21, 6684.	4.1	24
20	Studies on cytochrome P450 in Mytilus galloprovincialis: induction by Na-phenobarbital and ability to biotransform xenobiotics. Marine Biology, 1988, 100, 69-73.	1.5	22
21	Conditions that influence the genetic activity of potassium dichromate and chromium chloride in Saccharomyces cerevisiae. Mutation Research-Fundamental and Molecular Mechanisms of Mutagenesis, 1985, 144, 165-169.	1.1	20
22	Effects of Salmonella assay negative and positive carcinogens on intrachromosomal recombination in G1-arrested yeast cells. Mutation Research - Genetic Toxicology Testing and Biomonitoring of Environmental Or Occupational Exposure, 1996, 370, 209-221.	1.2	20
23	Capsid protein expression and adeno-associated virus like particles assembly in Saccharomyces cerevisiae. Microbial Cell Factories, 2012, 11, 124.	4.0	20
24	Effect of the expression of BRCA2 on spontaneous homologous recombination and DNA damage-induced nuclear foci in Saccharomyces cerevisiae. Mutagenesis, 2013, 28, 187-195.	2.6	19
25	Vanadium: genetical and biochemical investigations. Mutagenesis, 1990, 5, 293-296.	2.6	18
26	Pol3 is involved in nonhomologous end-joining in Saccharomyces cerevisiae. DNA Repair, 2008, 7, 1531-1541.	2.8	18
27	MSH2 role in BRCA1-driven tumorigenesis: A preliminary study in yeast and in human tumors from BRCA1-VUS carriers. European Journal of Medical Genetics, 2015, 58, 531-539.	1.3	18
28	Functional Interaction Between BRCA1 and DNA Repair in Yeast May Uncover a Role of RAD50, RAD51, MRE11A, and MSH6 Somatic Variants in Cancer Development. Frontiers in Genetics, 2018, 9, 397.	2.3	18
29	Characterization of the Hyperrecombination Phenotype of the pol3-t Mutation of Saccharomyces cerevisiae. Genetics, 2003, 164, 65-79.	2.9	18
30	Cytosolic 5â€™-Nucleotidase II Interacts with the Leucin Rich Repeat of NLR Family Member Ipaf. PLoS ONE, 2015, 10, e0121525.	2.5	17
31	Cytochrome P-450 inducibility by ethanol and 7-ethoxycoumarin O-deethylation in S.cerevisiae. Biochemical and Biophysical Research Communications, 1984, 123, 186-193.	2.1	16
32	Specific inhibitors of the monooxygenase system of Saccharomyces cerevisiae modified the mutagenic effect of 4-nitroquinoline 1-oxide and the deethylation activity of the yeast. Carcinogenesis, 1986, 7, 1127-1130.	2.8	15
33	Inhibition of the M r 70,000 S6 kinase pathway by rapamycin results in chromosome malsegregation in yeast and mammalian cells. Chromosoma, 1998, 107, 498-506.	2.2	14
34	Effects of HDF1 (Ku70) and HDF2 (Ku80) on spontaneous and DNA damage-induced intrachromosomal recombination in Saccharomyces cerevisiae. Molecular Genetics and Genomics, 2000, 264, 56-63.	2.4	14
35	Effects of Sugars and Polyols on the Stability of Azurin in Ice. Journal of Physical Chemistry B, 2008, 112, 4372-4380.	2.6	14
36	Effect of the overexpression of BRCA2 unclassified missense variants on spontaneous homologous recombination in human cells. Breast Cancer Research and Treatment, 2011, 129, 1001-1009.	2.5	13

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37	Expression of Bovine Cytosolic 5â€²-Nucleotidase (cN-II) in Yeast: Nucleotide Pools Disturbance and Its Consequences on Growth and Homologous Recombination. PLoS ONE, 2013, 8, e63914.	2.5	13
38	Comparative genetic activity of cis- and trans-1,2-dichloroethylene in yeast. Teratogenesis, Carcinogenesis, and Mutagenesis, 1984, 4, 365-375.	0.8	12
39	Effect of Salmonella assay negative and positive carcinogens on intrachromosomal recombination in S-phase arrested yeast cells. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 1998, 419, 53-68.	1.7	12
40	Effect of BRCA1 missense variants on gene reversion in DNA double-strand break repair mutants and cell cycle-arrested cells of Saccharomyces cerevisiae. Mutagenesis, 2020, 35, 189-195.	2.6	12
41	Cavity-Creating Mutations in Pseudomonas aeruginosa Azurin: Effects on Protein Dynamics and Stability. Biophysical Journal, 2008, 95, 771-781.	0.5	11
42	Enhancement of gene targeting in human cells by intranuclear permeation of the Saccharomyces cerevisiae Rad52 protein. Nucleic Acids Research, 2010, 38, e149-e149.	14.5	11
43	Formation of AAV Single Stranded DNA Genome from a Circular Plasmid in Saccharomyces cerevisiae. PLoS ONE, 2011, 6, e23474.	2.5	11
44	Yeast as a Tool to Understand the Significance of Human Disease-Associated Gene Variants. Genes, 2021, 12, 1303.	2.4	11
45	Computational analysis of data from a genome-wide screening identifies new PARP1 functional interactors as potential therapeutic targets. Oncotarget, 2019, 10, 2722-2737.	1.8	11
46	Yeast-based assays for the functional characterization of cancer-associated variants of human DNA repair genes. Microbial Cell, 2020, 7, 162-174.	3.2	10
47	Genetic and biochemical investigation on chloral hydrate in vitro and in vivo. Mutation Research-Fundamental and Molecular Mechanisms of Mutagenesis, 1984, 141, 19-22.	1.1	9
48	Antimutagenicity in yeast. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1992, 267, 193-200.	1.0	9
49	Requirement of POL3 and POL4 on non-homologous and microhomology-mediated end joining in rad50/xrs2 mutants of Saccharomyces cerevisiae. Mutagenesis, 2015, 30, 841-849.	2.6	9
50	Expression of cancer related BRCA1 missense variants decreases MMS-induced recombination in Saccharomyces cerevisiae without altering its nuclear localization. Cell Cycle, 2016, 15, 2723-2731.	2.6	9
51	A New Natural Antioxidant Mixture Protects against Oxidative and DNA Damage in Endothelial Cell Exposed to Low-Dose Irradiation. Oxidative Medicine and Cellular Longevity, 2017, 2017, 1-7.	4.0	9
52	Characterization of denatured metallothioneins by reversed phase coupled with on-line chemical vapour generation and atomic fluorescence spectrometric detection. Journal of Chromatography A, 2004, 1054, 285-291.	3.7	9
53	Inducibility of gene conversion in Saccharomyces cerevisiae treated with MMS. Mutation Research-Fundamental and Molecular Mechanisms of Mutagenesis, 1986, 174, 271-274.	1.1	8
54	A yeast-based genetic screening to identify human proteins that increase homologous recombination. FEMS Yeast Research, 2008, 8, 351-361.	2.3	8

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55	Expression of human poly (ADP-ribose) polymerase 1 in Saccharomyces cerevisiae: Effect on survival, homologous recombination and identification of genes involved in intracellular localization. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2015, 774, 14-24.	1.0	8
56	Strategies to optimize capsid protein expression and single-stranded DNA formation of adeno-associated virus inSaccharomyces cerevisiae. Journal of Applied Microbiology, 2017, 123, 414-428.	3.1	8
57	Whole-exome analysis of a Liâ€“Fraumeni family trio with a novel TP53 PRD mutation and anticipation profile. Carcinogenesis, 2017, 38, 938-943.	2.8	8
58	Development of a yeast-based system to identify new hBRAFV600E functional interactors. Oncogene, 2019, 38, 1355-1366.	5.9	8
59	Involvement of human p53 in induced intrachromosomal recombination in Saccharomyces cerevisiae. Mutagenesis, 2004, 19, 333-339.	2.6	7
60	Silencing of BRCA2 decreases anoikis and its heterologous expression sensitizes yeast cells to acetic acid-induced programmed cell death. Apoptosis: an International Journal on Programmed Cell Death, 2014, 19, 1330-1341.	4.9	7
61	Genotoxicity of chromiumin vitroon yeast: Interaction with DNAâ€. Toxicological and Environmental Chemistry, 1986, 13, 103-111.	1.2	6
62	Mutagenicity of methyl methanesulfonate and cyclophosphamide in resting and growing Saccharomyces cerevisiae D7 cells. Mutation Research-Fundamental and Molecular Mechanisms of Mutagenesis, 1992, 282, 235-239.	1.1	6
63	Characterisation of gene expression profiles of yeast cells expressing BRCA1 missense variants. European Journal of Cancer, 2009, 45, 2187-2196.	2.8	6
64	A recombination-based method to characterize human BRCA1 missense variants. Breast Cancer Research and Treatment, 2011, 125, 265-272.	2.5	6
65	The Over-expression of the Î²2 Catalytic Subunit of the Proteasome Decreases Homologous Recombination and Impairs DNA Double-Strand Break Repair in Human Cells. Journal of Biomedicine and Biotechnology, 2011, 2011, 1-7.	3.0	6
66	Initial Studies to Define the Physiologic Role of cN-II. Nucleosides, Nucleotides and Nucleic Acids, 2011, 30, 1155-1160.	1.1	6
67	Inverted terminal repeats of adeno-associated virus decrease random integration of a gene targeting fragment in Saccharomyces cerevisiae. BMC Molecular Biology, 2014, 15, 5.	3.0	6
68	Detection of Germline Variants in 450 Breast/Ovarian Cancer Families with a Multi-Gene Panel Including Coding and Regulatory Regions. International Journal of Molecular Sciences, 2021, 22, 7693.	4.1	6
69	Nitrilotriacetic acid effect on the genetic activity induced by chromium chloride and sodium chromate inSaccharomyces cerevisiae. Toxicological and Environmental Chemistry, 1988, 17, 11-17.	1.2	5
70	Influence of cinnamaldehyde on UV-induced gene conversion and point mutation in yeast: effect on protein synthesis. Mutation Research-Fundamental and Molecular Mechanisms of Mutagenesis, 1992, 282, 55-60.	1.1	5
71	Genotoxic and biochemical effects of dimethylamine. Mutagenesis, 1993, 8, 175-178.	2.6	5
72	Erythrocytes-mediated metabolic activation of cyclophosphamide in yeast mutagenicity test. Teratogenesis, Carcinogenesis, and Mutagenesis, 1985, 5, 223-230.	0.8	4

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73	Influence of NTA on the chromium genotoxicityâˆ—. Toxicological and Environmental Chemistry, 1989, 23, 101-104.	1.2	4
74	Detection of heterologous bovine pancreatic trypsin inhibitor by capillary zone electrophoresis. Polyhedron, 2002, 21, 1405-1410.	2.2	4
75	CRIMEtoYHU: a new web tool to develop yeast-based functional assays for characterizing cancer-associated missense variants. FEMS Yeast Research, 2017, 17, .	2.3	4
76	Characterization of denatured metallothioneins by reversed phase coupled with on-line chemical vapour generation and atomic fluorescence spectrometric detection. Journal of Chromatography A, 2004, 1054, 285-91.	3.7	4
77	Comparative genetic activity of samples collected from two different urban waste incinerators. Bulletin of Environmental Contamination and Toxicology, 1988, 41, 461-468.	2.7	3
78	Thepol3-tHyperrecombination Phenotype and DNA Damage-Induced Recombination inSaccharomyces cerevisiaeIsRAD50Dependent. Journal of Biomedicine and Biotechnology, 2009, 2009, 1-9.	3.0	3
79	HIV-1 acetylated integrase is targeted by KAP1 (TRIM28) to inhibit viral integration. Retrovirology, 2009, 6, .	2.0	3
80	Characterization of Viral Genome Encapsidated in Adeno-associated Recombinant Vectors Produced in Yeast Saccharomyces cerevisiae. Molecular Biotechnology, 2021, 63, 156-165.	2.4	3
81	Validation and Data-Integration of Yeast-Based Assays for Functional Classification of BRCA1 Missense Variants. International Journal of Molecular Sciences, 2022, 23, 4049.	4.1	3
82	Yeast strains to detect genomic deletions induced by carcinogens in cell-cycle arrested cells. , 1998, 11, 129-133.		2
83	OUP accepted manuscript. FEMS Yeast Research, 2022, , .	2.3	2
84	Genetic effects of trivalent chromium on saccharomyces cerevisiae. Science of the Total Environment, 1988, 71, 570.	8.0	1
85	Inhibition of yeast cytochrome P-450 by ammonium metavanadate. Mutation Research-Fundamental and Molecular Mechanisms of Mutagenesis, 1993, 301, 165-170.	1.1	1
86	Detection of genotoxicants in the leather and tannery places using short-term test. Mutation Research - Environmental Mutagenesis and Related Subjects Including Methodology, 1982, 97, 460-461.	0.4	0
87	Mutagenicity of complex mixtures used in tanneryâ€. Toxicological and Environmental Chemistry, 1986, 13, 95-101.	1.2	0
88	TARGETING OF A701G NUCLEOTIDE AT THE HUMAN ATP1A1 LOCUS USING A RNA/DNA CHIMERA. Nucleosides, Nucleotides and Nucleic Acids, 2002, 21, 775-784.	1.1	0