Albert J Fornace Jr

List of Publications by Year
in descending order

292	24,045	5876 81	8835 145
papers	citations	h-index	g-index

295	295	295	19943
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A mammalian cell cycle checkpoint pathway utilizing p53 and GADD45 is defective in ataxia-telangiectasia. Cell, 1992, 71, 587-597.	13.5	3,006
2	DNA Repair Pathway Stimulated by the Forkhead Transcription Factor FOXO3a Through the Gadd45 Protein. Science, 2002, 296, 530-534.	6.0	788
3	Initiation of a G2/M checkpoint after ultraviolet radiation requires p38 kinase. Nature, 2001, 411, 102-107.	13.7	489
4	Genomic instability in Gadd45a-deficient mice. Nature Genetics, 1999, 23, 176-184.	9.4	468
5	Association with Cdc2 and inhibition of Cdc2/Cyclin B1 kinase activity by the p53-regulated protein Gadd45. Oncogene, 1999, 18, 2892-2900.	2.6	425
6	p53-Mediated DNA Repair Responses to UV Radiation: Studies of Mouse Cells Lacking p53 , p21 , and/or gadd45 Genes. Molecular and Cellular Biology, 2000, 20, 3705-3714.	1.1	411
7	Amplification of PPM1D in human tumors abrogates p53 tumor-suppressor activity. Nature Genetics, 2002, 31, 210-215.	9.4	410
8	Inactivation of the Wip1 phosphatase inhibits mammary tumorigenesis through p38 MAPKâ€“mediated activation of the p16Ink4a-p19Arf pathway. Nature Genetics, 2004, 36, 343-350.	9.4	393
9	Roles for p53 in growth arrest and apoptosis: putting on the brakes after genotoxic stress. Oncogene, 1998, 17, 3287-3299.	2.6	387
10	Wip1 Phosphatase Modulates ATM-Dependent Signaling Pathways. Molecular Cell, 2006, 23, 757-764.	4.5	323
11	Fluorescent cDNA microarray hybridization reveals complexity and heterogeneity of cellular genotoxic stress responses. Oncogene, 1999, 18, 3666-3672.	2.6	314
12	Mammalian Genes Induced by Radiation; Activation of Genes Associated with Growth Control. Annual Review of Genetics, 1992, 26, 507-526.	3.2	282
13	Gadd45 in Stress Signaling, Cell Cycle Control, and Apoptosis. Advances in Experimental Medicine and Biology, 2013, 793, 1-19.	0.8	274
14	Alternative p38 activation pathway mediated by T cell receptorâ€“proximal tyrosine kinases. Nature Immunology, 2005, 6, 390-395.	7.0	263
15	Identification of Potential mRNA Biomarkers in Peripheral Blood Lymphocytes for Human Exposure to Ionizing Radiation. Radiation Research, 2000, 154, 342-346.	0.7	261
16	Gadd45, a p53-Responsive Stress Protein, Modifies DNA Accessibility on Damaged Chromatin. Molecular and Cellular Biology, 1999, 19, 1673-1685.	1.1	251
17	p38 MAP Kinase's Emerging Role as a Tumor Suppressor. Advances in Cancer Research, 2004, 92, 95-118.	1.9	250
18	Transforming Growth Factor-Î²-induced Apoptosis Is Mediated by Smad-dependent Expression of GADD45b through p38 Activation. Journal of Biological Chemistry, 2003, 278, 43001-43007.	1.6	238

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19	Integrating Global Gene Expression and Radiation Survival Parameters across the 60 Cell Lines of the National Cancer Institute Anticancer Drug Screen. Cancer Research, 2008, 68, 415-424.	0.4	226
20	Phosphorylation Site Interdependence of Human p53 Post-translational Modifications in Response to Stress. Journal of Biological Chemistry, 2003, 278, 37536-37544.	1.6	209
21	Gadd45a protects against UV irradiation-induced skin tumors, and promotes apoptosis and stress signaling via MAPK and p53. Cancer Research, 2002, 62, 7305-15.	0.4	209
22	Human In vivo Radiation-Induced Biomarkers. Cancer Research, 2004, 64, 6368-6371.	0.4	202
23	Genotoxic-Stress-Response Genes and Growth-Arrest Genes.. Annals of the New York Academy of Sciences, 1992, 663, 139-153.	1.8	188
24	Reprograming of gut microbiome energy metabolism by the FUT2 Crohnâ€™s disease risk polymorphism. ISME Journal, 2014, 8, 2193-2206.	4.4	182
25	The GADD45 Inhibition of Cdc2 Kinase Correlates with GADD45-mediated Growth Suppression. Journal of Biological Chemistry, 2000, 275, 16602-16608.	1.6	180
26	Role of Gadd45 in apoptosis. Biochemical Pharmacology, 2000, 59, 43-45.	2.0	177
27	Differential responses of stress genes to low dose-rate gamma irradiation. Molecular Cancer Research, 2003, 1, 445-52.	1.5	177
28	Mice Lacking the p53-Effector Gene Gadd45a Develop a Lupus-Like Syndrome. Immunity, 2002, 16, 499-508.	6.6	170
29	p38 and Chk1 kinases: different conductors for the G2/M checkpoint symphony. Current Opinion in Genetics and Development, 2002, 12, 92-97.	1.5	170
30	ATF3 induction following DNA damage is regulated by distinct signaling pathways and over-expression of ATF3 protein suppresses cells growth. Oncogene, 2002, 21, 7488-7496.	2.6	168
31	AMP-activated protein kinase promotes human prostate cancer cell growth and survival. Molecular Cancer Therapeutics, 2009, 8, 733-741.	1.9	167
32	Role of p53 family members in apoptosis. , 2000, 182, 171-181.		166
33	A Disease-Associated Microbial and Metabolomics State in Relatives of Pediatric Inflammatory Bowel Disease Patients. Cellular and Molecular Gastroenterology and Hepatology, 2016, 2, 750-766.	2.3	163
34	Dual phosphorylation controls Cdc25 phosphatases and mitotic entry. Nature Cell Biology, 2003, 5, 545-551.	4.6	162
35	Induction of Stress Genes by Low Doses of Gamma Rays. Radiation Research, 1999, 152, 225.	0.7	161
36	The antiapoptotic decoy receptor TRID/TRAIL-R3 is a p53-regulated DNA damage-inducible gene that is overexpressed in primary tumors of the gastrointestinal tract. Oncogene, 1999, 18, 4153-4159.	2.6	156

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37	Cells lacking CIP1/WAF1 genes exhibit preferential sensitivity to cisplatin and nitrogen mustard. Oncogene, 1997, 14, 2127-2136.	2.6	155
38	Tumor Suppressor p53 Can Participate in Transcriptional Induction of the GADD45 Promoter in the Absence of Direct DNA Binding. Molecular and Cellular Biology, 1998, 18, 2768-2778.	1.1	153
39	Loss of Oncogenic H-ras-Induced Cell Cycle Arrest and p38 Mitogen-Activated Protein Kinase Activation by Disruption of Gadd45a. Molecular and Cellular Biology, 2003, 23, 3859-3871.	1.1	152
40	Mammalian GADD34, an Apoptosis- and DNA Damage-inducible Gene. Journal of Biological Chemistry, 1997, 272, 13731-13737.	1.6	151
41	Radiation Metabolomics. 1. Identification of Minimally Invasive Urine Biomarkers for Gamma-Radiation Exposure in Mice. Radiation Research, 2008, 170, 1-14.	0.7	151
42	Leukemic HRX Fusion Proteins Inhibit GADD34-Induced Apoptosis and Associate with the GADD34 and hSNF5/INI1 Proteins. Molecular and Cellular Biology, 1999, 19, 7050-7060.	1.1	150
43	Ubiquftin mRNA is a major stress-induced transcript in mammalian cells. Nucleic Acids Research, 1989, 17, 1215-1230.	6.5	145
44	Induction of Gene Expression as a Monitor of Exposure to Ionizing Radiation. Radiation Research, 2001, 156, 657-661.	0.7	142
45	UPLC-ESI-TOFMS-Based Metabolomics and Gene Expression Dynamics Inspector Self-Organizing Metabolomic Maps as Tools for Understanding the Cellular Response to Ionizing Radiation. Analytical Chemistry, 2008, 80, 665-674.	3.2	142
46	Wip1 Directly Dephosphorylates Î³-H2AX and Attenuates the DNA Damage Response. Cancer Research, 2010, 70, 4112-4122.	0.4	139
47	Exposure to Heavy Ion Radiation Induces Persistent Oxidative Stress in Mouse Intestine. PLoS ONE, 2012, 7, e42224.	1.1	137
48	Myc represses the growth arrest gene gadd45. Oncogene, 1997, 14, 2825-2834.	2.6	136
49	Deletion of XPC leads to lung tumors in mice and is associated with early events in human lung carcinogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 13200-13205.	3.3	135
50	Comparison of toxicogenomics and traditional approaches to inform mode of action and points of departure in human health risk assessment of benzo[a]pyrene in drinking water. Critical Reviews in Toxicology, 2015, 45, 1-43.	1.9	135
51	Induction of B2 RNA polymerase III transcription by heat shock: enrichment for heat shock induced sequences in rodent cells by hybridization subtraction. Nucleic Acids Research, 1986, 14, 5793-5811.	6.5	133
52	DNA crosslinking induced by X-rays and chemical agents. Nucleic Acids and Protein Synthesis, 1977, 477, 343-355.	1.7	132
53	Stress-specific signatures: expression profiling of p53 wild-type and -null human cells. Oncogene, 2005, 24, 4572-4579.	2.6	131
54	Enhancement of X ray induced DNA damage by pre-treatment with halogenated pyrimidine analogs. International Journal of Radiation Oncology Biology Physics, 1987, 13, 733-739.	0.4	130

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55	Genomic instability, centrosome amplification, cell cycle checkpoints and Gadd45a. Oncogene, 2002, 21, 6228-6233.	2.6	129
56	Isolation, characterization and chromosomal localization of the human GADD153 gene. Gene, 1992, 116, 259-267.	1.0	127
57	Mammalian DNA damage-inducible genes associated with growth arrest and apoptosis. Mutation Research - Reviews in Genetic Toxicology, 1996, 340, 109-124.	3.0	121
58	Regulation of ATM/p53-dependent suppression of myc-induced lymphomas by Wip1 phosphatase. Journal of Experimental Medicine, 2006, 203, 2793-2799.	4.2	121
59	Ultraviolet-irradiation-induced apoptosis is mediated via ligand independent activation of tumor necrosis factor receptorâ€‰1. Oncogene, 1998, 17, 2555-2563.	2.6	116
60	G2/M Arrest by 1,25-Dihydroxyvitamin D3 in Ovarian Cancer Cells Mediated through the Induction of GADD45 via an Exonic Enhancer. Journal of Biological Chemistry, 2003, 278, 48030-48040.	1.6	114
61	Regulation of translation initiation following stress. Oncogene, 1999, 18, 6121-6128.	2.6	112
62	Role of p21Waf1/Cip1/Sdi1 in cell death and DNA repair as studied using a tetracycline-inducible system in p53-deficient cells. Oncogene, 1997, 14, 1875-1882.	2.6	111
63	The TRAIL Decoy Receptor TRUNDD (DcR2, TRAIL-R4) Is Induced by Adenovirus-p53 Overexpression and Can Delay TRAIL-, p53-, and KILLER/DR5-Dependent Colon Cancer Apoptosis. Molecular Therapy, 2000, 1, 130-144.	3.7	111
64	Hematopoietic cells from Gadd45a- and Gadd45b-deficient mice are sensitized to genotoxic-stress-induced apoptosis. Oncogene, 2005, 24, 7170-7179.	2.6	111
65	Radiation Metabolomics. 2. Dose- and Time-Dependent Urinary Excretion of Deaminated Purines and Pyrimidines after Sublethal Gamma-Radiation Exposure in Mice. Radiation Research, 2009, 172, 42-57.	0.7	109
66	Functional genomics as a window on radiation stress signaling. Oncogene, 2003, 22, 5828-5833.	2.6	98
67	The autoimmune suppressor Gadd45Î± inhibits the T cell alternative p38 activation pathway. Nature Immunology, 2005, 6, 396-402.	7.0	97
68	Induction of heat shock protein transcripts and B2 transcripts by various stresses in Chinese hamster cells. Experimental Cell Research, 1989, 182, 61-74.	1.2	95
69	The role of the MKK6/p38 MAPK pathway in Wip1-dependent regulation of ErbB2-driven mammary gland tumorigenesis. Oncogene, 2007, 26, 2502-2506.	2.6	95
70	BRCA1 activation of the GADD45 promoter. Oncogene, 2000, 19, 4050-4057.	2.6	93
71	Voluntary exploratory data submissions to the US FDA and the EMA: experience and impact. Nature Reviews Drug Discovery, 2010, 9, 435-445.	21.5	92
72	Abrogation of p53 Function Affects gadd Gene Responses to DNA Base-Damaging Agents and Starvation. DNA and Cell Biology, 1996, 15, 805-815.	0.9	90

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73	Regulation of the Wip1 phosphatase and its effects on the stress response Julie Lowe, Hyukjin Cha, Mi-Ok Lee, Sharlyn J. Mazur, Ettore Appella, Albert J. Fornace Jr.. Frontiers in Bioscience - Landmark, 2012, 17, 1480.	3.0	89
74	Development of a toxicogenomics signature for genotoxicity using a doseâ€optimization and informatics strategy in human cells. Environmental and Molecular Mutagenesis, 2015, 56, 505-519.	0.9	89
75	Radiation metabolomics and its potential in biodosimetry. International Journal of Radiation Biology, 2011, 87, 802-823.	1.0	88
76	DNA repair in a fanconi's anemia fibroblast cell strain. Nucleic Acids and Protein Synthesis, 1979, 561, 99-109.	1.7	87
77	Identification of Several Human Homologs of Hamster DNA Damage-inducible Transcripts. Journal of Biological Chemistry, 1997, 272, 26720-26726.	1.6	87
78	MetaboLyzer: A Novel Statistical Workflow for Analyzing Postprocessed LCâ€“MS Metabolomics Data. Analytical Chemistry, 2014, 86, 506-513.	3.2	87
79	Metabolomic applications in radiation biodosimetry: exploring radiation effects through small molecules. International Journal of Radiation Biology, 2017, 93, 1151-1176.	1.0	87
80	Metabolomic Analysis in Severe Childhood Pneumonia in The Gambia, West Africa: Findings from a Pilot Study. PLoS ONE, 2010, 5, e12655.	1.1	87
81	Activating p38 MAPK: New Tricks for an Old Kinase. Cell Cycle, 2005, 4, 1189-1192.	1.3	84
82	Evolution and structure of the fibrinogen genes. Journal of Molecular Biology, 1985, 185, 1-19.	2.0	83
83	Surrogate tissue analysis: monitoring toxicant exposure and health status of inaccessible tissues through the analysis of accessible tissues and cells. Toxicology and Applied Pharmacology, 2004, 194, 189-199.	1.3	83
84	Senescent Growth Arrest in Mesenchymal Stem Cells Is Bypassed by Wip1-Mediated Downregulation of Intrinsic Stress Signaling Pathways. Stem Cells, 2009, 27, 1963-1975.	1.4	83
85	Genomic instability and the role of p53 mutations in cancer cells. Current Opinion in Oncology, 1995, 7, 68-75.	1.1	81
86	DNA-protein cross-linking by ultraviolet radiation in normal human and xeroderma pigmentosum fibroblasts. Nucleic Acids and Protein Synthesis, 1976, 435, 95-103.	1.7	80
87	The p53-Regulated Cyclin G Gene Promotes Cell Growth: p53 Downstream Effectors Cyclin G and Gadd45 Exert Different Effects on Cisplatin Chemosensitivity. Experimental Cell Research, 1997, 230, 61-68.	1.2	79
88	Rapid activation of G2/M checkpoint after hypertonic stress in renal inner medullary epithelial (IME) cells is protective and requires p38 kinase. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 184-189.	3.3	79
89	Induction of BCL2 family member MCL1 as an early response to DNA damage. Oncogene, 1997, 14, 1031-1039.	2.6	77
90	p21^{Waf1}is required for cellular senescence but not for cell cycle arrest induced by the HDAC inhibitor sodium butyrate. Cell Cycle, 2010, 9, 3945-3955.	1.3	77

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91	Oligomerization of Human Gadd45a Protein. Journal of Biological Chemistry, 2001, 276, 39330-39339.	1.6	76
92	Development of a Metabolomic Radiation Signature in Urine from Patients Undergoing Total Body Irradiation. Radiation Research, 2014, 181, 350.	0.7	76
93	p38 Mitogen-Activated Protein Kinase Inhibitor Protects the Epidermis Against the Acute Damaging Effects of Ultraviolet Irradiation by Blocking Apoptosis and Inflammatory Responses. Journal of Investigative Dermatology, 2004, 122, 497-502.	0.3	74
94	Chemical inhibition of Wip1 phosphatase contributes to suppression of tumorigenesis. Cancer Biology and Therapy, 2005, 4, 1154-1158.	1.5	74
95	Serine protease inhibitor TPCK prevents Taxol-induced cell death and blocks c-Raf-1 and Bcl-2 phosphorylation in human breast carcinoma cells. Oncogene, 1999, 18, 3431-3439.	2.6	73
96	UPLCâ€“MS-based Urine Metabolomics Reveals Indole-3-lactic Acid and Phenyllactic Acid as Conserved Biomarkers for Alcohol-induced Liver Disease in the Ppara-null Mouse Model. Journal of Proteome Research, 2011, 10, 4120-4133.	1.8	73
97	Regulation of Human Cdc25A Stability by Serine 75 Phosphorylation Is Not Sufficient to Activate a S-phase Checkpoint. Cell Cycle, 2003, 2, 471-476.	1.3	72
98	Characterization and Interlaboratory Comparison of a Gene Expression Signature for Differentiating Genotoxic Mechanisms. Toxicological Sciences, 2009, 110, 341-352.	1.4	72
99	Development and validation of a high-throughput transcriptomic biomarker to address 21st century genetic toxicology needs. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E10881-E10889.	3.3	70
100	Genetic variability in a frozen batch of MCF-7 cells invisible in routine authentication affecting cell function. Scientific Reports, 2016, 6, 28994.	1.6	67
101	Therapeutic and space radiation exposure of mouse brain causes impaired DNA repair response and premature senescence by chronic oxidant production. Aging, 2013, 5, 607-622.	1.4	67
102	An Integrated Multi-Omic Approach to Assess Radiation Injury on the Host-Microbiome Axis. Radiation Research, 2016, 186, 219.	0.7	66
103	The Central Region of Gadd45 Is Required for Its Interaction with p21/WAF1. Experimental Cell Research, 2000, 258, 92-100.	1.2	65
104	Cytokine-driven cell cycling is mediated through Cdc25A. Journal of Cell Biology, 2005, 169, 755-763.	2.3	62
105	New and emerging technologies for genetic toxicity testing. Environmental and Molecular Mutagenesis, 2011, 52, 205-223.	0.9	62
106	Metabolic Phenotyping Reveals a Lipid Mediator Response to Ionizing Radiation. Journal of Proteome Research, 2014, 13, 4143-4154.	1.8	62
107	Gadd45a regulates matrix metalloproteinases by suppressing Î”Np63Î± and Î²-catenin via p38 MAP kinase and APC complex activation. Oncogene, 2004, 23, 1829-1837.	2.6	61
108	G1/S Arrest Induced by Histone Deacetylase Inhibitor Sodium Butyrate in E1A + Ras-transformed Cells Is Mediated through Down-regulation of E2F Activity and Stabilization of Î²-Catenin. Journal of Biological Chemistry, 2006, 281, 21040-21051.	1.6	61

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109	Gadd45a Functions as a Promoter or Suppressor of Breast Cancer Dependent on the Oncogenic Stress. Cancer Research, 2010, 70, 9671-9681.	0.4	61
110	Mutations that affect meiosis in male mice influence the dynamics of the mid-preleptotene and bouquet stages. Experimental Cell Research, 2006, 312, 3768-3781.	1.2	59
111	Heavy Ion Radiation Exposure Triggered Higher Intestinal Tumor Frequency and Greater Î²-Catenin Activation than Î³ Radiation in APCMin/+ Mice. PLoS ONE, 2013, 8, e59295.	1.1	59
112	Activation ofGadd34 by diverse apoptotic signals and suppression of its growth inhibitory effects by apoptotic inhibitors. International Journal of Cancer, 2001, 96, 22-31.	2.3	58
113	Space radiation triggers persistent stress response, increases senescent signaling, and decreases cell migration in mouse intestine. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E9832-E9841.	3.3	58
114	Identification of Noninvasive Biomarkers for Alcohol-Induced Liver Disease Using Urinary Metabolomics and the Ppara-null Mouse. Journal of Proteome Research, 2010, 9, 4176-4188.	1.8	57
115	Expression of the poly(ADP-ribose) polymerase gene following natural and induced DNA strand breakage and effect of hyperexpression on DNA repair. Carcinogenesis, 1990, 11, 123-128.	1.3	56
116	A Functional Role for p38 MAPK in Modulating Mitotic Transit in the Absence of Stress. Journal of Biological Chemistry, 2007, 282, 22984-22992.	1.6	56
117	Toxicogenomics: Overview and potential applications for the study of non-covalent DNA interacting chemicals. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2007, 623, 98-108.	0.4	56
118	Nuclear Factor-ÎºB (NF-ÎºB) Is a Novel Positive Transcriptional Regulator of the Oncogenic Wip1 Phosphatase. Journal of Biological Chemistry, 2010, 285, 5249-5257.	1.6	56
119	MONITORING HUMAN RADIATION EXPOSURE BY GENE EXPRESSION PROFILING: POSSIBILITIES AND PITFALLS. Health Physics, 2003, 85, 36-42.	0.3	55
120	A lipidomic and metabolomic serum signature from nonhuman primates exposed to ionizing radiation. Metabolomics, 2016, 12, 1.	1.4	55
121	The effect of low dose rate on metabolomic response to radiation in mice. Radiation and Environmental Biophysics, 2014, 53, 645-657.	0.6	54
122	Modulation of Fatty Acid and Bile Acid Metabolism By Peroxisome Proliferator-Activated ReceptorÎ±Protects Against Alcoholic Liver Disease. Alcoholism: Clinical and Experimental Research, 2014, 38, 1520-1531.	1.4	54
123	Normal repair of DNA single-strand breaks in patients with ataxia telangiectasia. Nucleic Acids and Protein Synthesis, 1980, 607, 432-457.	1.7	53
124	Global Metabolomic Identification of Long-Term Dose-Dependent Urinary Biomarkers in Nonhuman Primates Exposed to Ionizing Radiation. Radiation Research, 2015, 184, 121.	0.7	53
125	Detection of radiation-exposure biomarkers by differential mobility prefiltered mass spectrometry (DMSâ€“MS). International Journal of Mass Spectrometry, 2010, 291, 108-117.	0.7	52
126	Development of Urinary Biomarkers for Internal Exposure by Cesium-137 Using a Metabolomics Approach in Mice. Radiation Research, 2013, 181, 54.	0.7	52

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127	Integration of metabolic activation with a predictive toxicogenomics signature to classify genotoxic versus nongenotoxic chemicals in human TK 6 cells. Environmental and Molecular Mutagenesis, 2015, 56, 520-534.	0.9	52
128	Long-Term Differential Changes in Mouse Intestinal Metabolomics after Î³ and Heavy Ion Radiation Exposure. PLoS ONE, 2014, 9, e87079.	1.1	52
129	The Human Toxome Project. ALTEX: Alternatives To Animal Experimentation, 2015, 32, 112-124.	0.9	52
130	Functional genomics of UV radiation responses in human cells. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2004, 549, 65-78.	0.4	51
131	Comparison of Mouse Urinary Metabolic Profiles after Exposure to the Inflammatory Stressors Î³ Radiation and Lipopolysaccharide. Radiation Research, 2012, 177, 187.	0.7	49
132	Human O6-alkylguanine-DNA alkyltransferase fails to repair O4-methylthymine and methyl phosphotriesters in DNA as efficiently as does the alkyltransferase from Escherichia coli. Carcinogenesis, 1985, 6, 949-953.	1.3	48
133	Inhibitory effect of Bcl-2 on p53-mediated transactivation following genotoxic stress. Oncogene, 1999, 18, 297-304.	2.6	48
134	Radiation persistently promoted oxidative stress, activated mTOR via PI3K/Akt, and downregulated autophagy pathway in mouse intestine. International Journal of Biochemistry and Cell Biology, 2014, 57, 167-176.	1.2	47
135	DNA repair in human bronchial epithelial cells. Carcinogenesis, 1982, 3, 1373-1377.	1.3	46
136	Physiological function as regulation of large transcriptional programs: the cellular response to genotoxic stress. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2001, 129, 703-710.	0.7	46
137	Stress-Gene Induction by Low-Dose Gamma Irradiation. Military Medicine, 2002, 167, 13-15.	0.4	46
138	Atm-, p53-, and Gadd45a-deficient mice show an increased frequency of homologous recombination at different stages during development. Cancer Research, 2003, 63, 5335-43.	0.4	46
139	Identification of an additional p53-responsive site in the human epidermal growth factor receptor gene promotor. Oncogene, 1997, 15, 1095-1101.	2.6	45
140	Metabolomic and Lipidomic Analysis of Serum from Mice Exposed to an Internal Emitter, Cesium-137, Using a Shotgun LCâ€“MS^E Approach. Journal of Proteome Research, 2015, 14, 374-384.	1.8	45
141	Regulation of human Cdc25A stability by Serine 75 phosphorylation is not sufficient to activate a S phase checkpoint. Cell Cycle, 2003, 2, 473-8.	1.3	45
142	Low-ratio hybridization subtraction. Analytical Biochemistry, 1990, 187, 364-373.	1.1	44
143	Enhanced intestinal tumor multiplicity and grade in vivo after HZE exposure: mouse models for space radiation risk estimates. Radiation and Environmental Biophysics, 2010, 49, 389-396.	0.6	43
144	Microbial, metabolomic, and immunologic dynamics in a relapsing genetic mouse model of colitis induced by T-synthase deficiency. Gut Microbes, 2017, 8, 1-16.	4.3	43

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145	p53 Regulates Human Insulin-Like Growth Factor II Gene Expression through Active P4 Promoter in Rhabdomyosarcoma Cells. DNA and Cell Biology, 1998, 17, 125-131.	0.9	41
146	Lipidomic Signatures of Nonhuman Primates with Radiation-Induced Hematopoietic Syndrome. Scientific Reports, 2017, 7, 9777.	1.6	41
147	Application of the TGxâ€28.65 transcriptomic biomarker to classify genotoxic and nonâ€genotoxic chemicals in human TK6 cells in the presence of rat liver S9. Environmental and Molecular Mutagenesis, 2016, 57, 243-260.	0.9	40
148	Relative Biological Effectiveness of Energetic Heavy Ions for Intestinal Tumorigenesis Shows Male Preponderance and Radiation Type and Energy Dependence in APC1638N/+ Mice. International Journal of Radiation Oncology Biology Physics, 2016, 95, 131-138.	0.4	40
149	Gadd45a: an elusive yet attractive candidate gene in pancreatic cancer. Clinical Cancer Research, 2002, 8, 2475-9.	3.2	39
150	Gadd34 functional domains involved in growth suppression and apoptosis. Oncogene, 2003, 22, 3827-3832.	2.6	38
151	Targeted metabolomics of nonhuman primate serum after exposure to ionizing radiation: potential tools for high-throughput biodosimetry. RSC Advances, 2016, 6, 51192-51202.	1.7	38
152	Recombination of parent and daughter strand DNA after UV-irradiation in mammalian cells. Nature, 1983, 304, 552-554.	13.7	37
153	Protracted Upregulation of Leptin and IGF1 is Associated with Activation of PI3K/Akt and JAK2 Pathway in Mouse Intestine after Ionizing Radiation Exposure. International Journal of Biological Sciences, 2015, 11, 274-283.	2.6	37
154	A Serum Small Molecule Biosignature of Radiation Exposure from Total Body Irradiated Patients. Journal of Proteome Research, 2017, 16, 3805-3815.	1.8	37
155	Cyclobutane Pyrimidine Dimers in UV-DNA Induce Release of Soluble Mediators that Activate the Human Immunodeficiency Virus Promoter. Journal of Investigative Dermatology, 1993, 100, 790-794.	0.3	36
156	Casein Kinase 2- and Protein Kinase A-regulated Adenomatous Polyposis Coli and Î²-Catenin Cellular Localization Is Dependent on p38 MAPK. Journal of Biological Chemistry, 2005, 280, 17221-17226.	1.6	36
157	Accelerated hematopoietic toxicity by high energy⁵⁶Fe radiation. International Journal of Radiation Biology, 2012, 88, 213-222.	1.0	36
158	Induction of MiR-21 by Stereotactic Body Radiotherapy Contributes to the Pulmonary Fibrotic Response. PLoS ONE, 2016, 11, e0154942.	1.1	36
159	Enhancement of radiation damage in cellular dna following unifilar substitution with iododeoxyuridine. International Journal of Radiation Oncology Biology Physics, 1990, 18, 873-878.	0.4	35
160	Genetic Interactions between Brca1 and Gadd45a in Centrosome Duplication, Genetic Stability, and Neural Tube Closure. Journal of Biological Chemistry, 2004, 279, 29606-29614.	1.6	35
161	Administration of ON 01210.Na after exposure to ionizing radiation protects bone marrow cells by attenuating DNA damage response. Radiation Oncology, 2012, 7, 6.	1.2	35
162	Understanding Gas Phase Modifier Interactions in Rapid Analysis by Differential Mobility-Tandem Mass Spectrometry. Journal of the American Society for Mass Spectrometry, 2014, 25, 1098-1113.	1.2	35

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163	Ionizing Radiation Impairs T Cell Activation by Affecting Metabolic Reprogramming. International Journal of Biological Sciences, 2015, 11, 726-736.	2.6	35
164	Distinct serum metabolomics profiles associated with malignant progression in the KrasG12Dmouse model of pancreatic ductal adenocarcinoma. BMC Genomics, 2015, 16, S1.	1.2	35
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