

# Albert J Fornace Jr

## List of Publications by Citations

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282  
papers

20,806  
citations

77  
h-index

136  
g-index

295  
ext. papers

22,339  
ext. citations

6.5  
avg, IF

6.42  
L-index

#	Paper	IF	Citations
282	A mammalian cell cycle checkpoint pathway utilizing p53 and GADD45 is defective in ataxia-telangiectasia. <i>Cell</i> , <b>1992</b> , 71, 587-97	56.2	2767
281	DNA repair pathway stimulated by the forkhead transcription factor FOXO3a through the Gadd45 protein. <i>Science</i> , <b>2002</b> , 296, 530-4	33.3	692
280	Initiation of a G2/M checkpoint after ultraviolet radiation requires p38 kinase. <i>Nature</i> , <b>2001</b> , 411, 102-7	50.4	456
279	Genomic instability in Gadd45a-deficient mice. <i>Nature Genetics</i> , <b>1999</b> , 23, 176-84	36.3	418
278	Association with Cdc2 and inhibition of Cdc2/Cyclin B1 kinase activity by the p53-regulated protein Gadd45. <i>Oncogene</i> , <b>1999</b> , 18, 2892-900	9.2	388
277	p53-mediated DNA repair responses to UV radiation: studies of mouse cells lacking p53, p21, and/or gadd45 genes. <i>Molecular and Cellular Biology</i> , <b>2000</b> , 20, 3705-14	4.8	369
276	Inactivation of the Wip1 phosphatase inhibits mammary tumorigenesis through p38 MAPK-mediated activation of the p16(Ink4a)-p19(Arf) pathway. <i>Nature Genetics</i> , <b>2004</b> , 36, 343-50	36.3	364
275	Amplification of PPM1D in human tumors abrogates p53 tumor-suppressor activity. <i>Nature Genetics</i> , <b>2002</b> , 31, 210-5	36.3	360
274	Roles for p53 in growth arrest and apoptosis: putting on the brakes after genotoxic stress. <i>Oncogene</i> , <b>1998</b> , 17, 3287-99	9.2	352
273	Wip1 phosphatase modulates ATM-dependent signaling pathways. <i>Molecular Cell</i> , <b>2006</b> , 23, 757-64	17.6	285
272	Fluorescent cDNA microarray hybridization reveals complexity and heterogeneity of cellular genotoxic stress responses. <i>Oncogene</i> , <b>1999</b> , 18, 3666-72	9.2	284
271	Mammalian genes induced by radiation; activation of genes associated with growth control. <i>Annual Review of Genetics</i> , <b>1992</b> , 26, 507-26	14.5	259
270	Alternative p38 activation pathway mediated by T cell receptor-proximal tyrosine kinases. <i>Nature Immunology</i> , <b>2005</b> , 6, 390-5	19.1	232
269	Gadd45, a p53-responsive stress protein, modifies DNA accessibility on damaged chromatin. <i>Molecular and Cellular Biology</i> , <b>1999</b> , 19, 1673-85	4.8	228
268	Identification of potential mRNA biomarkers in peripheral blood lymphocytes for human exposure to ionizing radiation. <i>Radiation Research</i> , <b>2000</b> , 154, 342-6	3.1	227
267	p38 MAP kinase: emerging role as a tumor suppressor. <i>Advances in Cancer Research</i> , <b>2004</b> , 92, 95-118	5.9	222
266	Transforming growth factor-beta-induced apoptosis is mediated by Smad-dependent expression of GADD45b through p38 activation. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 43001-7	5.4	205

265	Integrating global gene expression and radiation survival parameters across the 60 cell lines of the National Cancer Institute Anticancer Drug Screen. <i>Cancer Research</i> , <b>2008</b> , 68, 415-24	10.1	197
264	Gadd45 in stress signaling, cell cycle control, and apoptosis. <i>Advances in Experimental Medicine and Biology</i> , <b>2013</b> , 793, 1-19	3.6	195
263	Phosphorylation site interdependence of human p53 post-translational modifications in response to stress. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 37536-44	5.4	188
262	Human in vivo radiation-induced biomarkers: gene expression changes in radiotherapy patients. <i>Cancer Research</i> , <b>2004</b> , 64, 6368-71	10.1	184
261	Gadd45a protects against UV irradiation-induced skin tumors, and promotes apoptosis and stress signaling via MAPK and p53. <i>Cancer Research</i> , <b>2002</b> , 62, 7305-15	10.1	183
260	Genotoxic-stress-response genes and growth-arrest genes. gadd, MyD, and other genes induced by treatments eliciting growth arrest. <i>Annals of the New York Academy of Sciences</i> , <b>1992</b> , 663, 139-53	6.5	176
259	Mice lacking the p53-effector gene Gadd45a develop a lupus-like syndrome. <i>Immunity</i> , <b>2002</b> , 16, 499-508	3.2,3	159
258	Role of Gadd45 in apoptosis. <i>Biochemical Pharmacology</i> , <b>2000</b> , 59, 43-5	6	159
257	The GADD45 inhibition of Cdc2 kinase correlates with GADD45-mediated growth suppression. <i>Journal of Biological Chemistry</i> , <b>2000</b> , 275, 16602-8	5.4	158
256	p38 and Chk1 kinases: different conductors for the G(2)/M checkpoint symphony. <i>Current Opinion in Genetics and Development</i> , <b>2002</b> , 12, 92-7	4.9	156
255	Dual phosphorylation controls Cdc25 phosphatases and mitotic entry. <i>Nature Cell Biology</i> , <b>2003</b> , 5, 545-51	3.4	155
254	Cells lacking CIP1/WAF1 genes exhibit preferential sensitivity to cisplatin and nitrogen mustard. <i>Oncogene</i> , <b>1997</b> , 14, 2127-36	9.2	150
253	Differential responses of stress genes to low dose-rate gamma irradiation. <i>Molecular Cancer Research</i> , <b>2003</b> , 1, 445-52	6.6	149
252	AMP-activated protein kinase promotes human prostate cancer cell growth and survival. <i>Molecular Cancer Therapeutics</i> , <b>2009</b> , 8, 733-41	6.1	147
251	ATF3 induction following DNA damage is regulated by distinct signaling pathways and over-expression of ATF3 protein suppresses cells growth. <i>Oncogene</i> , <b>2002</b> , 21, 7488-96	9.2	147
250	Tumor suppressor p53 can participate in transcriptional induction of the GADD45 promoter in the absence of direct DNA binding. <i>Molecular and Cellular Biology</i> , <b>1998</b> , 18, 2768-78	4.8	143
249	Radiation metabolomics. 1. Identification of minimally invasive urine biomarkers for gamma-radiation exposure in mice. <i>Radiation Research</i> , <b>2008</b> , 170, 1-14	3.1	141
248	Reprogramming of gut microbiome energy metabolism by the FUT2 Crohn's disease risk polymorphism. <i>ISME Journal</i> , <b>2014</b> , 8, 2193-206	11.9	140

247	Role of p53 family members in apoptosis. <i>Journal of Cellular Physiology</i> , <b>2000</b> , 182, 171-81	7	139
246	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. <i>Oncogene</i> , <b>1999</b> , 18, 4153-9	9.2	139
245	Leukemic HRX fusion proteins inhibit GADD34-induced apoptosis and associate with the GADD34 and hSNF5/INI1 proteins. <i>Molecular and Cellular Biology</i> , <b>1999</b> , 19, 7050-60	4.8	137
244	Loss of oncogenic H-ras-induced cell cycle arrest and p38 mitogen-activated protein kinase activation by disruption of Gadd45a. <i>Molecular and Cellular Biology</i> , <b>2003</b> , 23, 3859-71	4.8	133
243	Induction of Stress Genes by Low Doses of Gamma Rays. <i>Radiation Research</i> , <b>1999</b> , 152, 225	3.1	133
242	Ubiquitin mRNA is a major stress-induced transcript in mammalian cells. <i>Nucleic Acids Research</i> , <b>1989</b> , 17, 1215-30	20.1	132
241	UPLC-ESI-TOFMS-based metabolomics and gene expression dynamics inspector self-organizing metabolomic maps as tools for understanding the cellular response to ionizing radiation. <i>Analytical Chemistry</i> , <b>2008</b> , 80, 665-74	7.8	131
240	Mammalian GADD34, an apoptosis- and DNA damage-inducible gene. <i>Journal of Biological Chemistry</i> , <b>1997</b> , 272, 13731-7	5.4	128
239	Induction of B2 RNA polymerase III transcription by heat shock: enrichment for heat shock induced sequences in rodent cells by hybridization subtraction. <i>Nucleic Acids Research</i> , <b>1986</b> , 14, 5793-811	20.1	128
238	Myc represses the growth arrest gene gadd45. <i>Oncogene</i> , <b>1997</b> , 14, 2825-34	9.2	126
237	Induction of gene expression as a monitor of exposure to ionizing radiation. <i>Radiation Research</i> , <b>2001</b> , 156, 657-61	3.1	126
236	Genomic instability, centrosome amplification, cell cycle checkpoints and Gadd45a. <i>Oncogene</i> , <b>2002</b> , 21, 6228-33	9.2	121
235	Isolation, characterization and chromosomal localization of the human GADD153 gene. <i>Gene</i> , <b>1992</b> , 116, 259-67	3.8	120
234	Wip1 directly dephosphorylates gamma-H2AX and attenuates the DNA damage response. <i>Cancer Research</i> , <b>2010</b> , 70, 4112-22	10.1	118
233	Deletion of XPC leads to lung tumors in mice and is associated with early events in human lung carcinogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2005</b> , 102, 13200-5	11.5	118
232	Stress-specific signatures: expression profiling of p53 wild-type and -null human cells. <i>Oncogene</i> , <b>2005</b> , 24, 4572-9	9.2	116
231	Enhancement of X ray induced DNA damage by pre-treatment with halogenated pyrimidine analogs. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>1987</b> , 13, 733-9	4	116
230	Ultraviolet-irradiation-induced apoptosis is mediated via ligand independent activation of tumor necrosis factor receptor 1. <i>Oncogene</i> , <b>1998</b> , 17, 2555-63	9.2	111

229	Exposure to heavy ion radiation induces persistent oxidative stress in mouse intestine. <i>PLoS ONE</i> , <b>2012</b> , 7, e42224	3.7	110
228	DNA crosslinking induced by x-rays and chemical agents. <i>Nucleic Acids and Protein Synthesis</i> , <b>1977</b> , 477, 343-55		107
227	Role of p21Waf1/Cip1/Sdi1 in cell death and DNA repair as studied using a tetracycline-inducible system in p53-deficient cells. <i>Oncogene</i> , <b>1997</b> , 14, 1875-82	9.2	105
226	Regulation of ATM/p53-dependent suppression of myc-induced lymphomas by Wip1 phosphatase. <i>Journal of Experimental Medicine</i> , <b>2006</b> , 203, 2793-9	16.6	105
225	G2/M arrest by 1,25-dihydroxyvitamin D3 in ovarian cancer cells mediated through the induction of GADD45 via an exonic enhancer. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 48030-40	5.4	104
224	Regulation of translation initiation following stress. <i>Oncogene</i> , <b>1999</b> , 18, 6121-8	9.2	103
223	A Disease-Associated Microbial and Metabolomics State in Relatives of Pediatric Inflammatory Bowel Disease Patients. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , <b>2016</b> , 2, 750-766	7.9	103
222	Hematopoietic cells from Gadd45a- and Gadd45b-deficient mice are sensitized to genotoxic-stress-induced apoptosis. <i>Oncogene</i> , <b>2005</b> , 24, 7170-9	9.2	100
221	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. <i>Molecular Therapy</i> , <b>2000</b> , 1, 130-44	11.7	99
220	Mammalian DNA damage-inducible genes associated with growth arrest and apoptosis. <i>Mutation Research - Reviews in Genetic Toxicology</i> , <b>1996</b> , 340, 109-24		96
219	Radiation metabolomics. 2. Dose- and time-dependent urinary excretion of deaminated purines and pyrimidines after sublethal gamma-radiation exposure in mice. <i>Radiation Research</i> , <b>2009</b> , 172, 42-57	3.1	95
218	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. <i>Critical Reviews in Toxicology</i> , <b>2015</b> , 45, 1-43	5.7	94
217	Functional genomics as a window on radiation stress signaling. <i>Oncogene</i> , <b>2003</b> , 22, 5828-33	9.2	87
216	The role of the MKK6/p38 MAPK pathway in Wip1-dependent regulation of ErbB2-driven mammary gland tumorigenesis. <i>Oncogene</i> , <b>2007</b> , 26, 2502-6	9.2	86
215	Abrogation of p53 function affects gadd gene responses to DNA base-damaging agents and starvation. <i>DNA and Cell Biology</i> , <b>1996</b> , 15, 805-15	3.6	86
214	BRCA1 activation of the GADD45 promoter. <i>Oncogene</i> , <b>2000</b> , 19, 4050-7	9.2	83
213	Induction of heat shock protein transcripts and B2 transcripts by various stresses in Chinese hamster cells. <i>Experimental Cell Research</i> , <b>1989</b> , 182, 61-74	4.2	83
212	Voluntary exploratory data submissions to the US FDA and the EMA: experience and impact. <i>Nature Reviews Drug Discovery</i> , <b>2010</b> , 9, 435-45	64.1	82

211	The autoimmune suppressor Gadd45alpha inhibits the T cell alternative p38 activation pathway. <i>Nature Immunology</i> , <b>2005</b> , 6, 396-402	19.1	81
210	Senescent growth arrest in mesenchymal stem cells is bypassed by Wip1-mediated downregulation of intrinsic stress signaling pathways. <i>Stem Cells</i> , <b>2009</b> , 27, 1963-75	5.8	79
209	Genomic instability and the role of p53 mutations in cancer cells. <i>Current Opinion in Oncology</i> , <b>1995</b> , 7, 68-75	4.2	79
208	Activating p38 MAPK: new tricks for an old kinase. <i>Cell Cycle</i> , <b>2005</b> , 4, 1189-92	4.7	78
207	Radiation metabolomics and its potential in biodosimetry. <i>International Journal of Radiation Biology</i> , <b>2011</b> , 87, 802-23	2.9	77
206	Identification of several human homologs of hamster DNA damage-inducible transcripts. Cloning and characterization of a novel UV-inducible cDNA that codes for a putative RNA-binding protein. <i>Journal of Biological Chemistry</i> , <b>1997</b> , 272, 26720-6	5.4	77
205	DNA repair in a Fanconi anemia fibroblast cell strain. <i>Nucleic Acids and Protein Synthesis</i> , <b>1979</b> , 561, 99-109		77
204	Regulation of the Wip1 phosphatase and its effects on the stress response. <i>Frontiers in Bioscience - Landmark</i> , <b>2012</b> , 17, 1480-98	2.8	76
203	Rapid activation of G2/M checkpoint after hypertonic stress in renal inner medullary epithelial (IME) cells is protective and requires p38 kinase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2002</b> , 99, 184-9	11.5	75
202	Induction of BCL2 family member MCL1 as an early response to DNA damage. <i>Oncogene</i> , <b>1997</b> , 14, 1031-9	9.2	74
201	Evolution and structure of the fibrinogen genes. Random insertion of introns or selective loss?. <i>Journal of Molecular Biology</i> , <b>1985</b> , 185, 1-19	6.5	74
200	DNA-protein cross-linking by ultraviolet radiation in normal human and xeroderma pigmentosum fibroblasts. <i>Nucleic Acids and Protein Synthesis</i> , <b>1976</b> , 435, 95-103		74
199	MetaboLyzer: a novel statistical workflow for analyzing Postprocessed LC-MS metabolomics data. <i>Analytical Chemistry</i> , <b>2014</b> , 86, 506-13	7.8	73
198	Metabolomic analysis in severe childhood pneumonia in the Gambia, West Africa: findings from a pilot study. <i>PLoS ONE</i> , <b>2010</b> , 5, e12655	3.7	73
197	p38 Mitogen-activated protein kinase inhibitor protects the epidermis against the acute damaging effects of ultraviolet irradiation by blocking apoptosis and inflammatory responses. <i>Journal of Investigative Dermatology</i> , <b>2004</b> , 122, 497-502	4.3	72
196	p21(Waf1) is required for cellular senescence but not for cell cycle arrest induced by the HDAC inhibitor sodium butyrate. <i>Cell Cycle</i> , <b>2010</b> , 9, 3945-55	4.7	70
195	The p53-regulated cyclin G gene promotes cell growth: p53 downstream effectors cyclin G and Gadd45 exert different effects on cisplatin chemosensitivity. <i>Experimental Cell Research</i> , <b>1997</b> , 230, 61-8	4.2	70
194	Surrogate tissue analysis: monitoring toxicant exposure and health status of inaccessible tissues through the analysis of accessible tissues and cells. <i>Toxicology and Applied Pharmacology</i> , <b>2004</b> , 194, 189-99	4.6	70

193	Serine protease inhibitor TPCK prevents Taxol-induced cell death and blocks c-Raf-1 and Bcl-2 phosphorylation in human breast carcinoma cells. <i>Oncogene</i> , <b>1999</b> , 18, 3431-9	9.2	70
192	Chemical inhibition of Wip1 phosphatase contributes to suppression of tumorigenesis. <i>Cancer Biology and Therapy</i> , <b>2005</b> , 4, 1154-8	4.6	66
191	Oligomerization of human Gadd45a protein. <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 39330-9	5.4	64
190	Metabolomic applications in radiation biodosimetry: exploring radiation effects through small molecules. <i>International Journal of Radiation Biology</i> , <b>2017</b> , 93, 1151-1176	2.9	62
189	Development of a toxicogenomics signature for genotoxicity using a dose-optimization and informatics strategy in human cells. <i>Environmental and Molecular Mutagenesis</i> , <b>2015</b> , 56, 505-19	3.2	61
188	UPLC-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. <i>Journal of Proteome Research</i> , <b>2011</b> , 10, 4120-33	5.6	59
187	The central region of Gadd45 is required for its interaction with p21/WAF1. <i>Experimental Cell Research</i> , <b>2000</b> , 258, 92-100	4.2	58
186	Development of a metabolomic radiation signature in urine from patients undergoing total body irradiation. <i>Radiation Research</i> , <b>2014</b> , 181, 350-61	3.1	57
185	New and emerging technologies for genetic toxicity testing. <i>Environmental and Molecular Mutagenesis</i> , <b>2011</b> , 52, 205-23	3.2	57
184	Characterization and interlaboratory comparison of a gene expression signature for differentiating genotoxic mechanisms. <i>Toxicological Sciences</i> , <b>2009</b> , 110, 341-52	4.4	57
183	Regulation of Human Cdc25A Stability by Serine 75 Phosphorylation Is Not Sufficient to Activate a S-phase Checkpoint. <i>Cell Cycle</i> , <b>2003</b> , 2, 471-476	4.7	57
182	Cytokine-driven cell cycling is mediated through Cdc25A. <i>Journal of Cell Biology</i> , <b>2005</b> , 169, 755-63	7.3	54
181	Identification of noninvasive biomarkers for alcohol-induced liver disease using urinary metabolomics and the Ppara-null mouse. <i>Journal of Proteome Research</i> , <b>2010</b> , 9, 4176-88	5.6	53
180	Gadd45a regulates matrix metalloproteinases by suppressing DeltaNp63alpha and beta-catenin via p38 MAP kinase and APC complex activation. <i>Oncogene</i> , <b>2004</b> , 23, 1829-37	9.2	53
179	Activation of Gadd34 by diverse apoptotic signals and suppression of its growth inhibitory effects by apoptotic inhibitors. <i>International Journal of Cancer</i> , <b>2001</b> , 96, 22-31	7.5	53
178	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 beta-catenin. <i>Journal of Biological Chemistry</i> , <b>2006</b> , 281, 21040-21051	5.4	52
177	A functional role for p38 MAPK in modulating mitotic transit in the absence of stress. <i>Journal of Biological Chemistry</i> , <b>2007</b> , 282, 22984-92	5.4	50
176	Mutations that affect meiosis in male mice influence the dynamics of the mid-preleptotene and bouquet stages. <i>Experimental Cell Research</i> , <b>2006</b> , 312, 3768-81	4.2	50

175	Nuclear factor-kappaB (NF-kappaB) is a novel positive transcriptional regulator of the oncogenic Wip1 phosphatase. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 5249-57	5.4	49
174	Heavy ion radiation exposure triggered higher intestinal tumor frequency and greater Eatenin activation than $\gamma$ radiation in APC(Min/+) mice. <i>PLoS ONE</i> , <b>2013</b> , 8, e59295	3.7	48
173	Monitoring human radiation exposure by gene expression profiling: possibilities and pitfalls. <i>Health Physics</i> , <b>2003</b> , 85, 36-42	2.3	48
172	Functional genomics of UV radiation responses in human cells. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , <b>2004</b> , 549, 65-78	3.3	48
171	Expression of the poly(ADP-ribose) polymerase gene following natural and induced DNA strand breakage and effect of hyperexpression on DNA repair. <i>Carcinogenesis</i> , <b>1990</b> , 11, 123-8	4.6	48
170	Genetic variability in a frozen batch of MCF-7 cells invisible in routine authentication affecting cell function. <i>Scientific Reports</i> , <b>2016</b> , 6, 28994	4.9	47
169	Metabolic phenotyping reveals a lipid mediator response to ionizing radiation. <i>Journal of Proteome Research</i> , <b>2014</b> , 13, 4143-54	5.6	47
168	Development and validation of a high-throughput transcriptomic biomarker to address 21st century genetic toxicology needs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, E10881-E10889	11.5	47
167	Therapeutic and space radiation exposure of mouse brain causes impaired DNA repair response and premature senescence by chronic oxidant production. <i>Aging</i> , <b>2013</b> , 5, 607-22	5.6	47
166	Human O6-alkylguanine-DNA alkyltransferase fails to repair O4-methylthymine and methyl phosphotriesters in DNA as efficiently as does the alkyltransferase from Escherichia coli. <i>Carcinogenesis</i> , <b>1985</b> , 6, 949-53	4.6	46
165	Modulation of fatty acid and bile acid metabolism by peroxisome proliferator-activated receptor $\alpha$ protects against alcoholic liver disease. <i>Alcoholism: Clinical and Experimental Research</i> , <b>2014</b> , 38, 1520-31	3.7	45
164	Gadd45a functions as a promoter or suppressor of breast cancer dependent on the oncogenic stress. <i>Cancer Research</i> , <b>2010</b> , 70, 9671-81	10.1	45
163	Detection of Radiation-Exposure Biomarkers by Differential Mobility Prefiltered Mass Spectrometry (DMS-MS). <i>International Journal of Mass Spectrometry</i> , <b>2010</b> , 291, 108-117	1.9	45
162	Comparison of mouse urinary metabolic profiles after exposure to the inflammatory stressors $\gamma$ radiation and lipopolysaccharide. <i>Radiation Research</i> , <b>2012</b> , 177, 187-99	3.1	44
161	Inhibitory effect of Bcl-2 on p53-mediated transactivation following genotoxic stress. <i>Oncogene</i> , <b>1999</b> , 18, 297-304	9.2	44
160	An Integrated Multi-Omic Approach to Assess Radiation Injury on the Host-Microbiome Axis. <i>Radiation Research</i> , <b>2016</b> , 186, 219-34	3.1	43
159	The effect of low dose rate on metabolomic response to radiation in mice. <i>Radiation and Environmental Biophysics</i> , <b>2014</b> , 53, 645-57	2	43
158	The human toxome project. <i>ALTEX: Alternatives To Animal Experimentation</i> , <b>2015</b> , 32, 112-24	4.3	43



157	Normal repair of DNA single-strand breaks in patients with ataxia telangiectasia. <i>Nucleic Acids and Protein Synthesis</i> , <b>1980</b> , 607, 432-7		42
156	A Lipidomic and Metabolomic Serum Signature from Nonhuman Primates Exposed to Ionizing Radiation. <i>Metabolomics</i> , <b>2016</b> , 12, 1	4.7	42
155	Development of urinary biomarkers for internal exposure by cesium-137 using a metabolomics approach in mice. <i>Radiation Research</i> , <b>2014</b> , 181, 54-64	3.1	41
154	Stress-Gene Induction by Low-Dose Gamma Irradiation. <i>Military Medicine</i> , <b>2002</b> , 167, 13-15	1.3	41
153	Regulation of human Cdc25A stability by Serine 75 phosphorylation is not sufficient to activate a S phase checkpoint. <i>Cell Cycle</i> , <b>2003</b> , 2, 473-8	4.7	41
152	Identification of an additional p53-responsive site in the human epidermal growth factor receptor gene promoter. <i>Oncogene</i> , <b>1997</b> , 15, 1095-101	9.2	40
151	Toxicogenomics: overview and potential applications for the study of non-covalent DNA interacting chemicals. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , <b>2007</b> , 623, 98-108	3.3	40
150	Global Metabolomic Identification of Long-Term Dose-Dependent Urinary Biomarkers in Nonhuman Primates Exposed to Ionizing Radiation. <i>Radiation Research</i> , <b>2015</b> , 184, 121-33	3.1	39
149	p53 regulates human insulin-like growth factor II gene expression through active P4 promoter in rhabdomyosarcoma cells. <i>DNA and Cell Biology</i> , <b>1998</b> , 17, 125-31	3.6	39
148	Physiological function as regulation of large transcriptional programs: the cellular response to genotoxic stress. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , <b>2001</b> , 129, 703-10	2.3	38
147	DNA repair in human bronchial epithelial cells. <i>Carcinogenesis</i> , <b>1982</b> , 3, 1373-7	4.6	38
146	Long-term differential changes in mouse intestinal metabolomics after $\alpha$ and heavy ion radiation exposure. <i>PLoS ONE</i> , <b>2014</b> , 9, e87079	3.7	38
145	Atm-, p53-, and Gadd45a-deficient mice show an increased frequency of homologous recombination at different stages during development. <i>Cancer Research</i> , <b>2003</b> , 63, 5335-43	10.1	38
144	Recombination of parent and daughter strand DNA after UV-irradiation in mammalian cells. <i>Nature</i> , <b>1983</b> , 304, 552-4	50.4	37
143	Metabolomic and lipidomic analysis of serum from mice exposed to an internal emitter, cesium-137, using a shotgun LC-MS(E) approach. <i>Journal of Proteome Research</i> , <b>2015</b> , 14, 374-84	5.6	36
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