CITATION REPORT List of articles citing

A single ataxia telangiectasia gene with a product similar to PI-3 kinase

DOI: 10.1126/science.7792600 Science, 1995, 268, 1749-53.

Source: https://exaly.com/paper-pdf/26594749/citation-report.pdf

Version: 2024-04-09

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper IF	Citations
2283	Class switch recombination: an emerging mechanism. 2005 , 290, 171-99	29
2282	Ahead of schedule and under budget: the Genome Project passes its fifth birthday. 1995 , 92, 10821-3	25
2281	The product of the ataxia-telangiectasia group D complementing gene, ATDC, interacts with a protein kinase C substrate and inhibitor. 1995 , 92, 7824-8	40
2280	Genetic privacy. 1995 , 23, 320-30	43
2279	[Detection of genetic alterations in sporadic breast tumors]. 1995 , 35 Suppl 1, 63-7	2
2278	Comparative genomics, genome cross-referencing and XREFdb. 1995 , 11, 372-3	68
2277	The ataxia-telangiectasia gene: a link between checkpoint controls, neurodegeneration and cancer. 1995 , 11, 375-7	37
2276	Cancer predisposition. Ataxia-telangiectasia at the crossroads. 1995 , 5, 1210-2	51
2275	Relationship of the ataxia-telangiectasia protein ATM to phosphoinositide 3-kinase. 1995 , 20, 382-3	76
2274	Cellular responses to DNA damage: cell-cycle checkpoints, apoptosis and the roles of p53 and ATM. 1995 , 20, 426-30	200
2273	"Phototyping" for HLA: the beginning of the end of HLA typing as we know it. 1995 , 46, 353-4	11
2272	The chromosome ends of Saccharomyces cerevisiae. 1995 , 11, 1553-73	199
2271	Identification of gene(s) involved in carcinogenic progression of ataxia telangiectasia cells. 1995 , 3, 272-278	
2270	Complementation groups: one or more per gene?. 1995 , 11, 228-30	69
2269	Localisation of the Fanconi anaemia complementation group A gene to chromosome 16q24.3. 1995 , 11, 338-40	80
2268	Immunodeficiencies of genetic origin. 1995 , 16, 510-4	14
2267	Immunodeficiency. 1995 , 7, 433-5	1

2266 Pharmaceutical biotechnology. **1995**, 6, 719-75

2265 Risk factors and preventive strategies for breast cancer. 1995 , 163, 435-440	10
Hyper-recombination and Bloom's syndrome: microbes again provide clues about cancer. 1995 , 5, 421-6	35
Severe microcephaly with normal intellectual development: the Nijmegen breakage syndrome. 1995, 73, 431-4	21
2262 Aspirin as prophylaxis against colorectal cancer. 1995 , 333, 656-8	81
2261 Breast Cancer Among Radiologic Technologists. 1995 , 274, 394	27
The rapamycin and FKBP12 target (RAFT) displays phosphatidylinositol 4-kinase activity. 1995 , 270, 20875-8	67
The discipline of epidemiology. <i>Science</i> , 1995 , 269, 1327	2
On-line archives let biologists interrogate the genome. <i>Science</i> , 1995 , 269, 1356-8	6
2257 Hunting for genes in computer data bases. 1995 , 333, 645-7	12
2256 My years at the Journalso far. 1995 , 333, 654-5	10
2255 New therapies for cytomegalovirus retinitis. 1995 , 333, 658-9	12
Recent advances in cardiac transplantation. 1995 , 333, 660-1	20
2253 Ataxia-telangiectasiabroad implications for a rare disorder. 1995 , 333, 662-3	36
2252 Studies of Cancer and Radiation Dose Among Atomic Bomb Survivors. 1995 , 274, 402	69
Separation of phenotypes in mutant alleles of the Schizosaccharomyces pombe cell-cycle checkpoint gene rad1+. 1995 , 6, 1793-805	24
Diagnosis of inherited metabolic disorders affecting the nervous system. 1995 , 59, 460-70	1
Delayed Effects of External Radiation Exposure: A Brief History. 1995 , 144, 160	34

2248	Cell cycle arrest in response to DNA damage: lessons from yeast. 1995 , 337, 73-84	1	17
2247	The 70 kDa S6 kinase: regulation of a kinase with multiple roles in mitogenic signalling. 1995 , 7, 806-14	2	236
2246	Dose-rate effect on induction and repair rate of radiation-induced DNA double-strand breaks in a normal and an ataxia telangiectasia human fibroblast cell line. 1995 , 77, 900-5	2	23
2245	Mice lacking p21CIP1/WAF1 undergo normal development, but are defective in G1 checkpoint control. 1995 , 82, 675-84	1	1875
2244	ATM-related genes: what do they tell us about functions of the human gene?. 1995 , 82, 685-7	2	252
2243	The mei-41 gene of D. melanogaster is a structural and functional homolog of the human ataxia telangiectasia gene. 1995 , 82, 815-21	2	254
2242	TEL1, a gene involved in controlling telomere length in S. cerevisiae, is homologous to the human ataxia telangiectasia gene. 1995 , 82, 823-9	3	346
2241	TEL1, an S. cerevisiae homolog of the human gene mutated in ataxia telangiectasia, is functionally related to the yeast checkpoint gene MEC1. 1995 , 82, 831-40	3	331
2240	A checkpoint regulates the rate of progression through S phase in S. cerevisiae in response to DNA damage. 1995 , 82, 841-7	٦	525
2239	DNA-dependent protein kinase catalytic subunit: a relative of phosphatidylinositol 3-kinase and the ataxia telangiectasia gene product. 1995 , 82, 849-56	6	548
2238	PIK-related kinases: DNA repair, recombination, and cell cycle checkpoints. <i>Science</i> , 1995 , 270, 50-1	3 4	435
2237	Yeast checkpoint genes in DNA damage processing: implications for repair and arrest. <i>Science</i> , 1995 , 270, 1488-91	3 3	356
2236	DNA repair in humans. 1995 , 29, 69-105	1	180
2235	1995 Deichmann Lecturep53 tumor suppressor gene: at the crossroads of molecular carcinogenesis, molecular epidemiology and cancer risk assessment. 1995 , 82-83, 1-7	3	37
2234	p53 Tumor Suppressor Gene: At the Crossroads of Molecular Carcinogenesis, Molecular Epidemiology, and Cancer Risk Assessment. 1996 , 104, 435	1	17
2233	Future Research Directions for Evaluating Human Genetic and Cancer Risk from Environmental Exposures. 1996 , 104, 503	1	10
2232	Use of Cancer Incidence Data in Identification of Cancer Causation. 1996 , 104, 639		
2231	Inherited breast cancer. 1996 , 76, 205-20	2	21

2230	Ionizing radiation-induced phosphorylation of RPA p34 is deficient in ataxia telangiectasia and reduced in aged normal fibroblasts. 1996 , 39, 43-52	35
2229	Structural and functional diversity of phosphoinositide 3-kinases. 1996 , 351, 217-23	82
2228	Increased apoptotic response to 2-deoxy-D-ribose in ataxia-telangiectasia. 1996 , 144, 128-34	13
2227	The p53 gene as a modifier of intrinsic radiosensitivity: implications for radiotherapy. 1996 , 40, 197-223	163
2226	Vitamin E serum levels are normal in ataxia telangiectasia (Louis-Bar disease). 1996 , 141, 114-6	5
2225	The ATM gene and the radiobiology of ataxia-telangiectasia. 1996 , 69, 527-37	58
2224	Evidence for Activities Inhibiting In Trans Initiation of DNA Replication in Extract Prepared from Irradiated Cells. 1996 , 145, 408	11
2223	Characterization of a soluble adrenal phosphatidylinositol 4-kinase reveals wortmannin sensitivity of type III phosphatidylinositol kinases. 1996 , 35, 3587-94	100
2222	Sequence Information from 42108-mer DNAs (Complete for a 50-mer) by Tandem Mass Spectrometry. 1996 , 118, 9352-9359	128
2221	The NF-kappa B/Rel and I kappa B gene families: mediators of immune response and inflammation. 1996 , 74, 749-69	213
2220	Alternate splice-site utilization in the gene for the catalytic subunit of the DNA-activated protein kinase, DNA-PKcs. 1996 , 175, 271-3	15
2219	Reduced telomere length in ataxia-telangiectasia fibroblasts. 1996 , 364, 1-11	44
2218	Molecular biology of DNA repair in the fission yeast Schizosaccharomyces pombe. 1996 , 363, 147-61	28
2217	The defect in the AT-like hamster cell mutants is complemented by mouse chromosome 9 but not by any of the human chromosomes. 1996 , 364, 91-102	4
2216	Advances in cellular and molecular radiation oncology. 1996 , 2, 3-13	3
2215	Scn2b, a voltage-gated sodium channel beta2 gene on mouse chromosome 9. 1996 , 34, 258-9	12
2214	Ataxia telangiectasia heterozygotes and patients display increased fluidity and decrease in contents of sulfhydryl groups in red blood cell membranes. 1996 , 1302, 231-5	10
2213	Relationship between DNA damage, rejoining and cell killing by radiation in mammalian cells. 1996 , 39, 155-65	82

Breast cancer and radiotherapy in ataxia-telangiectasia heterozygote. 1996 , 347, 1627	21
2211 Gene manipulation in radiotherapy. 1996, 347, 632	3
2210 Recent advances in the genetics of primary immunodeficiency syndromes. 1996 , 129, 8-24	27
2209 Atm-deficient mice: a paradigm of ataxia telangiectasia. 1996 , 86, 159-71	1260
Vascular dysmorphogenesis caused by an activating mutation in the receptor tyrosine kinase TIE2. 1996 , 87, 1181-90	635
2207 The role of DNA repair in the prevention of cancer. 1996 , 17, 235-283	5
Normal function of the transcription factor NFAT1 in wasted mice. Chromosome localization of NFAT1 gene. 1996 , 180, 29-36	7
2205 Genes responsible for familial breast cancer. 1996 , 192, 684-93	21
Role of induced genetic instability in the mutagenic effects of chemicals and radiation. 1996 , 367, 11-23	41
2203 Friedreich's ataxia protein: phylogenetic evidence for mitochondrial dysfunction. 1996 , 19, 465-8	131
The DNA-dependent protein kinase: a matter of life and (cell) death. 1996 , 8, 325-30	21
2201 Plugging it in: signaling circuits and the yeast cell cycle. 1996 , 8, 223-30	43
2200 Cell regulation. 1996 , 8, 247-98	
2199 S-phase and DNA-damage checkpoints: a tale of two yeasts. 1996 , 8, 781-7	39
2198 Exploiting the complete yeast genome sequence. 1996 , 6, 763-6	21
2197 From DNA damage to cell cycle arrest and suicide: a budding yeast perspective. 1996 , 6, 4-11	58
2196 The recognition of DNA damage. 1996 , 6, 19-25	71
2195 Hereditary predisposition to breast cancer. 1996 , 6, 93-7	32

2194	THE USE OF GENE THERAPY FOR IMMUNODEFICIENCY DISEASE. 1996 , 16, 683-726		1
2193	Checkpoints take the next step. <i>Science</i> , 1996 , 271, 314-5	33.3	48
2192	Regulation of RAD53 by the ATM-like kinases MEC1 and TEL1 in yeast cell cycle checkpoint pathways. <i>Science</i> , 1996 , 271, 357-60	33.3	530
2191	Friedreich's ataxia: autosomal recessive disease caused by an intronic GAA triplet repeat expansion. <i>Science</i> , 1996 , 271, 1423-7	33.3	2281
2190	Longevity, genes, and aging. <i>Science</i> , 1996 , 273, 54-9	33.3	291
2189	Cell cycle checkpoints: preventing an identity crisis. <i>Science</i> , 1996 , 274, 1664-72	33.3	1742
2188	External radiation and thyroid neoplasia. 1996 , 25, 181-95		42
2187	Immunopharmacology of rapamycin. 1996 , 14, 483-510		553
2186	Genomic Instability Induced by Ionizing Radiation. 1996 , 146, 247		316
2185	Genetic complementation of radiation response by 3' untranslated regions (UTR) of RNA. 1996 , 69, 385-	.95	11
2184	Strange bedfellows in even stranger places: the role of ATM in meiotic cells, lymphocytes, tumors, and its functional links to p53. 1996 , 10, 2383-8		51
2183	Mechanisms of spontaneous human cancers. 1996 , 104 Suppl 3, 633-7		14
2182	Activation of phosphoinositide 3-kinase by interaction with Ras and by point mutation 1996 , 15, 2442-2	2451	432
2181	Risk Assessment and Presymptomatic Molecular Diagnosis in Hereditary Breast Cancer. 1996 , 16, 139-10	67	1
2180	Fanconi Anaemia in Europe. 1996 , 141-145		
2179	Familial Cancer ? Radiotherapeutic Aspects. 1996 , 211-215		
2178	The Potential Role of Common Polymorphisms in Predisposition to Breast and Ovarian Cancer. 1996 , 27-34		
2177	The ATM homologue MEC1 is required for phosphorylation of replication protein A in yeast. 1996 , 93, 15075-80		164

2176	Pleiotropic defects in ataxia-telangiectasia protein-deficient mice. 1996 , 93, 13084-9	434
2175	DNA-dependent protein kinase catalytic subunit: a target for an ICE-like protease in apoptosis 1996 , 15, 3238-3246	257
2174	The Saccharomyces cerevisiae MEC1 gene, which encodes a homolog of the human ATM gene product, is required for G1 arrest following radiation treatment. 1996 , 178, 5841-3	43
2173	Genetic Counseling in Hereditary Non-Polyposis Colorectal Cancer. 1996 , 82, 136-142	
2172	Rfc5, a small subunit of replication factor C complex, couples DNA replication and mitosis in budding yeast. 1996 , 93, 7048-52	83
2171	Molecular cytogenetic delineation of a novel critical genomic region in chromosome bands 11q22.3-923.1 in lymphoproliferative disorders. 1996 , 93, 11837-41	130
2170	Use of cancer incidence data in identification of cancer causation. 1996 , 104 Suppl 3, 639-41	
2169	Proteolysis and the biochemistry of life-or-death decisions. 1996 , 183, 1947-51	55
2168	Future research directions for evaluating human genetic and cancer risk from environmental exposures. 1996 , 104 Suppl 3, 503-10	30
2167	High frequency and error-prone DNA recombination in ataxia telangiectasia cell lines. 1996 , 271, 4497-503	52
2166	p53 tumor suppressor gene: at the crossroads of molecular carcinogenesis, molecular epidemiology, and cancer risk assessment. 1996 , 104 Suppl 3, 435-9	67
2165	Genetic predisposition to breast cancer. 1996 , 35, 1-8	18
2164	A human homolog of the Schizosaccharomyces pombe rad9+ checkpoint control gene. 1996 , 93, 13890-5	103
2163	Induction of inositol 1,4,5 trisphosphate receptor genes by ionizing radiation. 1996 , 69, 539-46	12
2162	Cardiomyoplasty in a patient with dextrocardia. 1996 , 17, 967-8	1
2161	Sick sinus syndrome in association with malignant lymphoma. 1996 , 17, 968	3
2160	TEL2, an essential gene required for telomere length regulation and telomere position effect in Saccharomyces cerevisiae. 1996 , 16, 3094-105	85
2159	The mutation rate and cancer. 1996 , 93, 14800-3	358

	cDNA cloning and gene mapping of a candidate human cell cycle checkpoint protein. 1996 , 93, 2850-5	212
2157	Isolation of coding sequences from genomic regions using direct selection. 1997 , 68, 183-99	21
2156	[10]Isolating and mapping coding regions from complex genomes: Direct cDNA selection. 1996 , 8, 189-206	1
2155	The 1995 Walter Hubert Lecturemolecular epidemiology of human cancer: insights from the mutational analysis of the p53 tumour-suppressor gene. 1996 , 73, 261-9	93
2154	Cell cycle control in fission yeast and mammals: identification of new regulatory mechanisms. 1996 , 69, 17-62	29
2153	Lessons from immunological, biochemical, and molecular pathways of the activation mediated by IL-2 and IL-4. 1996 , 63, 127-96	22
2152	Glycerolipids in signal transduction. 1996 , 237-255	2
2151	The DNA damage response in DNA-dependent protein kinase-deficient SCID mouse cells: replication protein A hyperphosphorylation and p53 induction. 1996 , 93, 13825-30	86
2150	The NF-kappa B and I kappa B proteins: new discoveries and insights. 1996 , 14, 649-83	5346
2149	rad-dependent response of the chk1-encoded protein kinase at the DNA damage checkpoint. <i>Science</i> , 1996 , 271, 353-6	362
2148	Generation of a panel of radiation-reduced hybrids containing human 11q22-23 fragments bearing	
2140	a HPRT selective marker: identification of hybrids carrying various subregions around the ataxia-telangiectasia locus. 1996 , 22, 499-509	1
2147	a HPRT selective marker: identification of hybrids carrying various subregions around the	1
,	a HPRT selective marker: identification of hybrids carrying various subregions around the ataxia-telangiectasia locus. 1996 , 22, 499-509 Dominant genetic instability and sensitivity to DNA damaging agents in a mammalian cell line. 1996	
2147	a HPRT selective marker: identification of hybrids carrying various subregions around the ataxia-telangiectasia locus. 1996 , 22, 499-509 Dominant genetic instability and sensitivity to DNA damaging agents in a mammalian cell line. 1996 , 22, 177-89 The early intracellular signaling pathway for the insulin/insulin-like growth factor receptor family in	1
2147	a HPRT selective marker: identification of hybrids carrying various subregions around the ataxia-telangiectasia locus. 1996, 22, 499-509 Dominant genetic instability and sensitivity to DNA damaging agents in a mammalian cell line. 1996, 22, 177-89 The early intracellular signaling pathway for the insulin/insulin-like growth factor receptor family in the mammalian central nervous system. 1996, 13, 155-83 p53 in growth control and neoplasia. 1996, 1287, 77-102	1 75
2147 2146 2145	a HPRT selective marker: identification of hybrids carrying various subregions around the ataxia-telangiectasia locus. 1996, 22, 499-509 Dominant genetic instability and sensitivity to DNA damaging agents in a mammalian cell line. 1996, 22, 177-89 The early intracellular signaling pathway for the insulin/insulin-like growth factor receptor family in the mammalian central nervous system. 1996, 13, 155-83 p53 in growth control and neoplasia. 1996, 1287, 77-102	1 75 198
2147 2146 2145 2144	a HPRT selective marker: identification of hybrids carrying various subregions around the ataxia-telangiectasia locus. 1996, 22, 499-509 Dominant genetic instability and sensitivity to DNA damaging agents in a mammalian cell line. 1996, 22, 177-89 The early intracellular signaling pathway for the insulin/insulin-like growth factor receptor family in the mammalian central nervous system. 1996, 13, 155-83 p53 in growth control and neoplasia. 1996, 1287, 77-102 Pterygia and limbal epithelial cells: Relationship and molecular mechanisms. 1996, 15, 297-329	1 75 198 10

2140	Interindividual variations in susceptibility and sensitivity: linking risk assessment and risk management. 1996 , 111, 331-41	10
2139	Insulin receptor/IRS-1/PI 3-kinase signaling system in corticosteroid-induced insulin resistance. 1996 , 33, 185-92	24
2138	Regulation of the cell cycle following DNA damage in normal and Ataxia telangiectasia cells. 1996 , 52, 316-28	12
2137	Role of protein kinase activity in apoptosis. 1996 , 52, 979-94	59
2136	Ataxia-telangiectasia and the ATM gene: linking neurodegeneration, immunodeficiency, and cancer to cell cycle checkpoints. 1996 , 16, 254-60	73
2135	Clonal chromosome abnormalities in Fanconi anemia. 1996 , 38, 291-6	9
2134	Assignment of the mouse ataxia-telangiectasia gene (Atm) to mouse chromosome 9. 1996 , 7, 554-5	4
2133	The fld mutation maps near to but distinct from the Apob locus on mouse chromosome 12. 1996 , 7, 555-7	10
2132	Interpreting cDNA sequences: some insights from studies on translation. 1996 , 7, 563-74	75°
2131	Radiation. 1996, 7, S41-S43	1
	Radiation. 1996 , 7, S41-S43 Apoptosis: molecular regulation of cell death. 1996 , 236, 1-26	467
2130	Apoptosis: molecular regulation of cell death. 1996 , 236, 1-26 Inhibition of phosphatidylinositol 3-kinase blocks T cell antigen receptor/CD3-induced activation of	467
2130	Apoptosis: molecular regulation of cell death. 1996 , 236, 1-26 Inhibition of phosphatidylinositol 3-kinase blocks T cell antigen receptor/CD3-induced activation of the mitogen-activated kinase Erk2. 1996 , 235, 828-35	467 58
2130 2129 2128	Apoptosis: molecular regulation of cell death. 1996, 236, 1-26 Inhibition of phosphatidylinositol 3-kinase blocks T cell antigen receptor/CD3-induced activation of the mitogen-activated kinase Erk2. 1996, 235, 828-35 The genotype of the human cancer cell: implications for risk analysis. 1996, 365, 17-42	467 58 7
2130 2129 2128 2127	Apoptosis: molecular regulation of cell death. 1996, 236, 1-26 Inhibition of phosphatidylinositol 3-kinase blocks T cell antigen receptor/CD3-induced activation of the mitogen-activated kinase Erk2. 1996, 235, 828-35 The genotype of the human cancer cell: implications for risk analysis. 1996, 365, 17-42 Mammalian DNA damage-inducible genes associated with growth arrest and apoptosis. 1996, 340, 109-24 Molecular genotyping shows that ataxia-telangiectasia heterozygotes are predisposed to breast	467 58 7 96
2130 2129 2128 2127 2126	Apoptosis: molecular regulation of cell death. 1996, 236, 1-26 Inhibition of phosphatidylinositol 3-kinase blocks T cell antigen receptor/CD3-induced activation of the mitogen-activated kinase Erk2. 1996, 235, 828-35 The genotype of the human cancer cell: implications for risk analysis. 1996, 365, 17-42 Mammalian DNA damage-inducible genes associated with growth arrest and apoptosis. 1996, 340, 109-24 Molecular genotyping shows that ataxia-telangiectasia heterozygotes are predisposed to breast cancer. 1996, 92, 130-4 Chromosomal breakage correlates with delayed lethality in normal and ataxia telangiectasia cell lines treated with bleomycin. 1996, 372, 33-42	467 58 7 96 287

2122	Signal transduction and cellular responses to ionizing radiation. 1996 , 6, 268-272	11
2121	Molecular biology of the cell cycle: Potential for therapeutic applications in radiation oncology. 1996 , 6, 284-294	19
2120	Repair of DNA damage produced by ionizing radiation: A minireview. 1996 , 6, 295-305	42
2119	The frequency and mechanism of loss of heterozygosity on chromosome 11q in breast cancer. 1996 , 180, 38-43	33
2118	Molecular genetic evidence of the occurrence of breast cancer as an integral tumor in patients with the hereditary nonpolyposis colorectal carcinoma syndrome. 1996 , 77, 1836-43	99
2117	Radiation therapy tolerance limits. For one or for all?Janeway Lecture. 1996 , 77, 2379-85	52
2116	Ataxia telangiectasia and signal transduction. 1996 , 4, 101-107	
2115	Ionizing radiation and the cell cycle: A review. 1996 , 4, 147-158	1
2114	Expression of the ATDC (ataxia telangiectasia group D-complementing) gene in A431 human squamous carcinoma cells. 1996 , 66, 772-8	8
2113	Association of allelic losses on human chromosomal arms 11Q and 16Q in sporadic breast cancer. 1996 , 69, 307-11	10
2112	Detailed deletion analysis of sporadic breast tumors defines an interstitial region of allelic loss on 17q25. 1996 , 17, 64-8	24
2111	Molecular analysis of Fanconi anaemia. 1996 , 18, 579-85	15
2 110	Cockayne syndromea primary defect in DNA repair, transcription, both or neither?. 1996 , 18, 731-8	87
2109	PI 3-kinase: a pivotal pathway in T-cell activation?. 1996 , 17, 187-97	163
2108	Ataxia-telangiectasia: a multifaceted genetic disorder associated with defective signal transduction. 1996 , 8, 459-64	58
2107	Phosphatidylinositol 3-kinase related kinases. 1996 , 8, 412-8	55
2106	Breast cancer genetics: family history, heterogeneity, molecular genetic diagnosis, and genetic counselling. 1996 , 20, 329-65	4
2105	Programmed cell death and radioresistance. 1996 , 15, 119-31	63

2104	Cellular resistance to camptothecins. 1996 , 803, 60-73	19
2103	Mutation analysis in the BRCA2 gene in primary breast cancers. 1996 , 13, 245-7	246
2102	The yeast genomea common currency. 1996 , 13, 253-5	33
2101	Accelerated telomere shortening in ataxia telangiectasia. 1996 , 13, 350-3	278
2100	Yeast SAS silencing genes and human genes associated with AML and HIV-1 Tat interactions are homologous with acetyltransferases. 1996 , 14, 42-9	252
2099	The Friedreich's ataxia gene encodes a novel phosphatidylinositol-4- phosphate 5-kinase. 1996 , 14, 157-62	73
2098	Clinical impact of detection of loss of heterozygosity of BRCA1 and BRCA2 markers in sporadic breast cancer. 1996 , 73, 1220-6	98
2097	Therapeutic targeting of the p53 tumor suppressor gene. 1996 , 7, 592-600	20
2096	Some public health issues in the current state of genetic testing for breast cancer in Australia. 1996 , 20, 467-72	8
2095	Defect in multiple cell cycle checkpoints in ataxia-telangiectasia postirradiation. 1996 , 271, 20486-93	105
2094	Interleukin-2 Receptor Signaling Mechanisms. 1996 , 147-199	47
2093	Wortmannin is a potent inhibitor of DNA double strand break but not single strand break repair in Chinese hamster ovary cells. 1996 , 17, 2285-90	103
2092	Apopain/CPP32 cleaves proteins that are essential for cellular repair: a fundamental principle of apoptotic death. 1996 , 183, 1957-64	547
2091	Distinct roles of yeast MEC and RAD checkpoint genes in transcriptional induction after DNA damage and implications for function. 1996 , 7, 703-18	76
2090	RAD9 and DNA polymerase epsilon form parallel sensory branches for transducing the DNA damage checkpoint signal in Saccharomyces cerevisiae. 1996 , 10, 2632-43	142
2089	Molecular epidemiology: insights into cancer susceptibility, risk assessment, and prevention. 1996 , 88, 496-509	213
2088	Genetic susceptibility to head and neck squamous cell carcinoma. 1996 , 88, 530-5	131
2087	Nijmegen breakage syndrome. 1996 , 33, 153-6	152

2086 Identification and characterization of a new gene physically linked to the ATM gene. 1996 , 6, 439-47	43
2085 Predominance of null mutations in ataxia-telangiectasia. 1996 , 5, 433-9	201
2084 The product of the ATM gene is a 370-kDa nuclear phosphoprotein. 1996 , 271, 33693-7	89
2083 Pancreatic adenocarcinoma: epidemiology and genetics. 1996, 33, 889-98	59
Cloning and characterization of RAD17, a gene controlling cell cycle responses to DNA damage in Saccharomyces cerevisiae. 1996 , 24, 1669-75	44
2081 Dual roles of ATM in the cellular response to radiation and in cell growth control. 1996 , 10, 2401-10	318
A gene transcribed from the bidirectional ATM promoter coding for a serine rich protein: amino acid sequence, structure and expression studies. 1996 , 5, 1785-91	39
2079 Molecular Analysis of DNA Rearrangements in the Immune System. 1996 ,	
Spk1/Rad53 is regulated by Mec1-dependent protein phosphorylation in DNA replication and damage checkpoint pathways. 1996 , 10, 395-406	265
2077 Mutations revealed by sequencing the 5' half of the gene for ataxia telangiectasia. 1996 , 5, 145-9	89
The Atr and Atm protein kinases associate with different sites along meiotically pairing chromosomes. 1996 , 10, 2423-37	216
2075 ITA, a vertebrate homologue of IAP that is expressed in T lymphocytes. 1996 , 15, 981-8	34
2074 Structure, function, and replication of Saccharomyces cerevisiae telomeres. 1996 , 30, 141-72	176
2073 The geneticist's approach to complex disease. 1996 , 47, 333-53	55
Targeted disruption of ATM leads to growth retardation, chromosomal fragmentation during meiosis, immune defects, and thymic lymphoma. 1996 , 10, 2411-22	667
The DNA-binding protein Hdf1p (a putative Ku homologue) is required for maintaining normal telomere length in Saccharomyces cerevisiae. 1996 , 24, 582-5	205
2070 The role of phosphoinositide 3-kinase in insulin signalling. 1996 , 17, 175-84	59
2069 Medical Genetics. 1996 , 275, 1819	O

p150Ship, a signal transduction molecule with inositol polyphosphate-5-phosphatase activity. 1996 , 10, 1084-95	353
No significant changes in the expression of the fas,fasl,bcl-2 and bax genes in apoptosis of an erythroleukemic cell line by p53. 1996 , 9, 269-77	
2066 Second malignancies. 1996 , 9, 763-76	2
2065 Mechanisms of Spontaneous Human Cancers. 1996 , 104, 633	7
2064 Genetics of childhood cancer. 1996 , 52, 704-23	6
2063 From targets to genes: a brief history of radiosensitivity. 1996 , 41, 205-22	28
2062 Gene Isolation and Mapping Protocols. 1996 ,	
2061 Fragments of ATM which have dominant-negative or complementing activity. 1997 , 17, 2020-9	143
2060 [Genetic diagnosis, classification and clinical hereditary ataxia disease entities]. 1997 , 65, 79-89	1
2059 The genetic defect in ataxia-telangiectasia. 1997 , 15, 177-202	532
2058 Diagnosis of ataxia telangiectasia with the glycophorin A somatic mutation assay. 1997 , 1, 261-7	11
A variant of the Nijmegen breakage syndrome with unusual cytogenetic features and intermediate cellular radiosensitivity. 1997 , 34, 196-202	14
Mental assessment in subacute sclerosing panencephalitis: Hacettepe Cognitive Short Assessment Scale. 1997 , 12, 398-402	7
2055 Mouse models of human disease. Part II: recent progress and future directions. 1997 , 11, 11-43	133
2054 DNA damage induces phosphorylation of the amino terminus of p53. 1997 , 11, 3471-81	633
2053 Electrophysiologic study of central motor pathways in ataxia-telangiectasia. 1997 , 12, 327-31	5
2052 Primary Immunodeficiency Diseases. 1997 , 278, 1835	36
Nuclear and non-nuclear targets of genotoxic agents in the induction of gene expression. Shared principles in yeast, rodents, man and plants. 1997 , 378, 1217-29	57

2050	Defective signaling through the B cell antigen receptor in Epstein-Barr virus-transformed ataxia-telangiectasia cells. 1997 , 272, 9489-95	32
2049	p110delta, a novel phosphatidylinositol 3-kinase catalytic subunit that associates with p85 and is expressed predominantly in leukocytes. 1997 , 272, 19236-41	195
2048	Reconstitution of a MEC1-independent checkpoint in yeast by expression of a novel human fork head cDNA. 1997 , 17, 3037-46	87
2047	Acute leukemia. 1997 , 11, 657	
2046	Molecular epidemiology in cancer research (review). 1997 , 11, 1053-69	2
2045	Non-insulin-dependent diabetes mellitusa collision between thrifty genes and an affluent society. 1997 , 29, 37-53	61
2044	Rad53-dependent phosphorylation of Swi6 and down-regulation of CLN1 and CLN2 transcription occur in response to DNA damage in Saccharomyces cerevisiae. 1997 , 11, 3032-45	120
2043	Cell cycle checkpoint control. 1997 , 29, 1-11	2
2042	Mutation testing of early-onset breast cancer genes BRCA1 and BRCA2. 1997 , 1, 75-83	9
2041	Ataxia-telangiectasia and the Nijmegen breakage syndrome: related disorders but genes apart. 1997 , 31, 635-62	415
2040	Ataxia-telangiectasia: structural diversity of untranslated sequences suggests complex post-transcriptional regulation of ATM gene expression. 1997 , 25, 1678-84	52
2039	Multisystemic disease with involvement of immune, endocrine, and neurologic systems. 1997 , 12, 396-8	
2038	The ataxia-telangiectasia gene product, a constitutively expressed nuclear protein that is not up-regulated following genome damage. 1997 , 94, 1840-5	132
2037	Overexpression of a truncated human topoisomerase III partially corrects multiple aspects of the ataxia-telangiectasia phenotype. 1997 , 94, 4538-42	36
2036	A 1.1-Mb transcript map of the hereditary hemochromatosis locus. 1997 , 7, 441-56	79
2035	Nijmegen breakage syndrome cells fail to induce the p53-mediated DNA damage response following exposure to ionizing radiation. 1997 , 17, 5016-22	93
2034	Role of Schizosaccharomyces pombe RecQ homolog, recombination, and checkpoint genes in UV damage tolerance. 1997 , 17, 6868-75	178
2033	A fission yeast homolog of CDC20/p55CDC/Fizzy is required for recovery from DNA damage and genetically interacts with p34cdc2. 1997 , 17, 742-50	75

2032	Radiation protection of radiosensitive populations. 1997 , 72, 519-23	10
2031	Rfc5, a replication factor C component, is required for regulation of Rad53 protein kinase in the yeast checkpoint pathway. 1997 , 17, 5905-14	83
2030	Specific activation of p85-p110 phosphatidylinositol 3'-kinase stimulates DNA synthesis by ras- and p70 S6 kinase-dependent pathways. 1997 , 17, 248-55	68
2029	Control of apoptosis by proteases. 1997 , 41, 155-77	63
2028	[Pathogenesis, diagnosis, clinical and therapeutic aspects of ataxia telangiectasia]. 1997 , 209, 328-35	8
2027	Genetic epidemiology of breast and ovarian cancers. 1997 , 19, 69-79	41
2026	Role of p53 in apoptosis. 1997 , 41, 429-60	49
2025	hMre11 and hRad50 nuclear foci are induced during the normal cellular response to DNA double-strand breaks. 1997 , 17, 6087-96	435
2024	Resistance to UV-irradiation of DNA synthesis in fibroblast cell lines derived from LEC strain rats. 1997 , 59, 67-9	2
2023	Two Japanese siblings with Bloom syndrome gene mutation and B-cell lymphoma. 1997 , 27, 539-42	10
2022	Principles of Cell Cycle Control. 1997 , 819-842	
2021	The human XRCC9 gene corrects chromosomal instability and mutagen sensitivities in CHO UV40 cells. 1997 , 94, 9232-7	73
2020	DEK, an autoantigen involved in a chromosomal translocation in acute myelogenous leukemia, binds to the HIV-2 enhancer. 1997 , 94, 1811-5	72
2019	Differential level of DSB repair fidelity effected by nuclear protein extracts derived from radiosensitive and radioresistant human tumour cells. 1997 , 76, 1440-7	12
2018	Tumor suppressor genes and human cancer. 1997 , 36, 45-135	24
2017	The genetic basis of hereditary ataxia. 1997 , 114, 569-76	17
2016	p53 and ATM: cell cycle, cell death, and cancer. 1997 , 71, 1-25	222
2015	Genetics of breast cancer. 1997 , 72, 54-65	77

2014	Molecular biology of Fanconi anemia. 1997 , 11, 1045-60	20
2013	Molecular genetic approaches to the genes of longevity, aging and neurodegeneration in mammals. 1997 , 98, 223-30	5
2012	The spectrum of primary immunodeficiency disorders in Australia. 1997 , 100, 415-23	62
2011	An allelic variant at the ATM locus is implicated in breast cancer susceptibility. 1997 , 1, 165-70	30
2010	Gene expressions of transferred human chromosome 8 in mouse cell lines. 1997 , 230, 315-9	3
2009	Radiation response of connexin43-transfected cells in relation to the "contact effect". 1997 , 234, 225-32	13
2008	Construction of a transcription map around the gene for ataxia telangiectasia: identification of at least four novel genes. 1997 , 40, 267-76	16
2007	The structure and organization of the human NPAT gene. 1997 , 42, 388-92	16
2006	Molecular cloning and characterization of LOH11CR2A, a new gene within a refined minimal region of LOH at 11q23. 1997 , 46, 217-22	33
2005	A frequent polymorphism of the gene mutated in ataxia telangiectasia. 1997 , 11, 71-3	6
2004	Frataxin shows developmentally regulated tissue-specific expression in the mouse embryo. 1997 , 4, 103-13	61
2003	Lymphocyte-specific genomic instability and risk of lymphoid malignancy. 1997 , 9, 207-15	20
2002	Essential and perilous: V(D)J recombination and DNA damage checkpoints in lymphocyte precursors. 1997 , 9, 199-206	25
2001	Control of cell cycle arrest by the Mec1sc/Rad3sp DNA structure checkpoint pathway. 1997 , 7, 93-8	7 ²
2000	Tying loose ends: roles of Ku and DNA-dependent protein kinase in the repair of double-strand breaks. 1997 , 7, 99-104	112
1999	Responses to DNA damage and regulation of cell cycle checkpoints by the ATM protein kinase family. 1997 , 7, 170-5	137
1998	Radiotherapy-induced second cancers: are we doing enough to protect young patients?. 1997 , 33, 526-30	53
1997	Predisposition testing for breast and ovarian cancer susceptibility. 1997 , 13, 82-90	4

1996	Rejoining of DNA double-strand breaks after the introduction of chromosome 11 into a radiosensitive bladder carcinoma cell line. 1997 , 383, 21-30	1
1995	DNA-PK: at the cross-roads of biochemistry and genetics. 1997 , 384, 1-14	125
1994	Identification of defective illegitimate recombinational repair of oxidatively-induced DNA double-strand breaks in ataxia-telangiectasia cells. 1997 , 384, 169-79	40
1993	[Modulation of cellular response to ionizing radiation: towards new molecular targets?]. 1997 , 1, 484-93	5
1992	Mouse models for breast cancer susceptibility. 1997 , 4, 283-8	
1991	DNA damage-induced phosphorylation of p53 alleviates inhibition by MDM2. 1997 , 91, 325-34	1720
1990	Dynamic changes of BRCA1 subnuclear location and phosphorylation state are initiated by DNA damage. 1997 , 90, 425-35	802
1989	When checkpoints fail. 1997 , 88, 315-21	535
1988	Loss of heterozygosity in human breast carcinomas in the ataxia telangiectasia, Cowden disease and BRCA1 gene regions. 1997 , 14, 339-47	55
1987	PI3K signal and DNA repair: a short commentary. 1997 , 35, 263-5	5
1986	Genetic mapping using microcell-mediated chromosome transfer suggests a locus for Nijmegen breakage syndrome at chromosome 8q21-24. 1997 , 60, 1487-94	56
1985	Radiation-induced DNA double-strand breaks and the radiosensitivity of human cells: a closer look. 1997 , 79, 567-75	50
1984	Clinical features associated with correction of T-cell senescence: increased acute-phase response, amyloidosis and arthritis. 1997 , 21, 509-23	6
1983	Human genetic diseases: a cross-talk between man and yeast. 1997 , 195, 1-10	155
1982	Karnofsky Memorial Lecture. Hereditary cancer: theme and variations. 1997 , 15, 3280-7	32
1981	Genetic factors in the pathogenesis of breast cancer: their role and relative importance. 1997 , 127, 929S-932S	15
1980	In a blinded analysis, restriction endonuclease fingerprinting detects all the mutations in a 1.9-kb segment. 1997 , 23, 836-9	12
1979	Model Organisms Illuminate Human Genetics and Disease. 1997 , 3, 231-237	4

1978	Isolation of full-length ATM cDNA and correction of the ataxia-telangiectasia cellular phenotype. 1997 , 94, 8021-6	95
1977	Loss of p21 increases sensitivity to ionizing radiation and delays the onset of lymphoma in atm-deficient mice. 1997 , 94, 14590-5	145
1976	Molecular Biology of Fanconi Anemia: Implications for Diagnosis and Therapy. 1997 , 90, 1725-1736	174
1975	The inv(11)(p15q22) Chromosome Translocation of De Novo and Therapy-Related Myeloid Malignancies Results in Fusion of the Nucleoporin Gene, NUP98, With the Putative RNA Helicase Gene, DDX10. 1997 , 89, 3936-3944	135
1974	A Chromosome 14q11/TCRASpecific Yeast Artificial Chromosome Improves the Detection Rate and Characterization of Chromosome Abnormalities in T-Lymphoproliferative Disorders. 1997 , 90, 1233-1240	10
1973	Molecular mechanisms controlling human melanoma progression and metastasis. 1997 , 65, 311-30	41
1972	Ataxia-telangiectasia locus: sequence analysis of 184 kb of human genomic DNA containing the entire ATM gene. 1997 , 7, 592-605	108
1971	Insulin-like growth factor and potassium depolarization maintain neuronal survival by distinct pathways: possible involvement of PI 3-kinase in IGF-1 signaling. 1997 , 17, 1548-60	271
1970	[Hereditary cerebellar ataxias: from hammer to genetics]. 1997 , 55, 666-76	3
1969	Hereditary breast cancer. 1997 , 84, 1334-1339	1
1968	Cancer genetics in the new era of molecular biology. 1997 , 833, 1-28	16
1967	Cell death and longevity: implications of Fas-mediated apoptosis in T-cell senescence. 1997 , 160, 19-30	31
1966	Potential molecular targets for manipulating the radiation response. 1997 , 37, 639-53	96
1965	A role for molecular radiobiology in radiotherapy?. 1997 , 9, 70-8	9
1964	Allelic deletions at chromosome 11q22-q23.1 and 11q25-qterm are frequent in sporadic breast but not colorectal cancers. 1997 , 14, 431-7	45
1963	Modulation of (+/-)-anti-BPDE mediated p53 accumulation by inhibitors of protein kinase C and poly(ADP-ribose) polymerase. 1997 , 14, 801-9	46
1962	Cellular localisation of the ataxia-telangiectasia (ATM) gene product and discrimination between mutated and normal forms. 1997 , 14, 1911-21	158
1961	Recombinant ATM protein complements the cellular A-T phenotype. 1997 , 15, 159-67	221

1960	Influence of ATM function on telomere metabolism. 1997 , 15, 2659-65	75
1959	Heterozygous ATM mutations do not contribute to early onset of breast cancer. 1997 , 15, 307-10	292
1958	atm and p53 cooperate in apoptosis and suppression of tumorigenesis, but not in resistance to acute radiation toxicity. 1997 , 16, 397-401	201
1957	Clustering of missense mutations in the ataxia-telangiectasia gene in a sporadic T-cell leukaemia. 1997 , 17, 96-9	234
1956	ATM and RPA in meiotic chromosome synapsis and recombination. 1997 , 17, 457-61	121
1955	DNA-PKcs: a T-cell tumour suppressor encoded at the mouse scid locus. 1997 , 17, 483-6	121
1954	Biallelic mutations in the ATM gene in T-prolymphocytic leukemia. 1997 , 3, 1155-9	217
1953	Ataxia telangiectasia mutant protein activates c-Abl tyrosine kinase in response to ionizing radiation. 1997 , 387, 516-9	480
1952	Interaction between ATM protein and c-Abl in response to DNA damage. 1997 , 387, 520-3	418
1951	Genomic alterations in nasopharyngeal carcinoma: loss of heterozygosity and Epstein-Barr virus infection. 1997 , 76, 770-6	67
1950	Oncoprotein signalling and mitosis. 1997 , 9, 249-55	46
1949	Breast cancer in six women with neurofibromatosis type 1. 1997 , 6, 155-160	5
1948	Cell-cycle signaling: Atm displays its many talents. 1997 , 7, R789-92	45
1947	Atm-dependent interactions of a mammalian chk1 homolog with meiotic chromosomes. 1997 , 7, 977-86	92
1946	Induced mouse chromosomal rearrangements as tools for identifying critical developmental genes and pathways. 1997 , 11, 345-51	7
1945	The role of DNA repair in development. 1997 , 11, 353-65	12
1944	Advances in understanding mechanisms of toxicity and implications for risk assessment. 1997 , 11, 389-96	9
1943	Hypersensitivity of ataxia-telangiectasia fibroblasts to a nitric oxide donor. 1997 , 22, 343-7	22

1942 Gene table: adult and paediatric movement disorders. 1997 , 1, 189-90	3
Use of a postlabelling assay to examine the removal of radiation-induced DNA lesions by purified enzymes and human cell extracts. 1997 , 378, 127-37	13
1940 Normal telomere maintenance in immortal ataxia telangiectasia cell lines. 1997 , 379, 177-84	21
Molecular epidemiology of hematological neoplasmspresent status and future directions. 1997 , 21, 265-84	2
1938 Molecular processes and radiosensitivity. 1997 , 173, 457-61	1
1937 The old and the new in p53 functional regulation. 1997 , 62, 3-10	8
1936 Gene therapy strategies for carcinoma of the breast. 1997 , 44, 93-114	14
1935 Neurotrophins in cerebellar granule cell development and medulloblastoma. 1997 , 35, 347-52	22
1934 [Evaluation of cancer risk through genetic analysis?]. 1997 , 173, 444-56	1
1933 [Genetic predisposition and radiation sensitivity of tumors]. 1997 , 173, 469-79	1
1932 Theory and practice of predictive assays in radiation therapy. 1997 , 173, 58-67	21
Pituitary Changes in Ataxia-Telangiectasia Syndrome: An Immunocytochemical, In Situ Hybridization, and DNA Cytometric Study of Three Cases. 1997 , 8, 195-203	21
Phenotypic correction of ataxia-telangiectasia cellular defect by exogenously introduced human or mouse subchromosomal fragments. 1997 , 23, 341-51	2
Characterisation of the Schizosaccharomyces pombe rad4/cut5 mutant phenotypes: dissection of DNA replication and G2 checkpoint control function. 1997 , 255, 332-40	45
G2/M checkpoint genes of Saccharomyces cerevisiae: further evidence for roles in DNA replication and/or repair. 1997 , 256, 638-51	80
Detection of heterozygous carriers of the ataxia-telangiectasia (ATM) gene by G2 phase chromosomal radiosensitivity of peripheral blood lymphocytes. 1997 , 101, 312-6	29
1926 Locus heterogeneity in Friedreich ataxia. 1997 , 1, 43-7	29
CAND3: A ubiquitously expressed gene immediately adjacent and in opposite transcriptional orientation to the ATM gene at 1lq23.1. 1997 , 8, 129-33	10

1924	[Cell cycle control, genetic instability and cancer]. 1997 , 48, 157-65	3
1923	Molecular analysis of hus1+, a fission yeast gene required for S-M and DNA damage checkpoints. 1997 , 254, 389-99	22
1922	Bronchiolitis obliterans in ataxia-telangiectasia. 1997 , 430, 131-7	21
1921	Regulation of p53 in response to ionizing radiation in ataxia telangiectasia fibroblasts. 1997 , 37, 417-22	11
1920	Ataxia-telangiectasia: is ATM a sensor of oxidative damage and stress?. 1997 , 19, 911-7	129
1919	Chromosome instability with bleomycin and X-ray hypersensitivity in a boy with Nijmegen breakage syndrome. 1997 , 70, 24-7	11
1918	Diversity of ATM gene mutations detected in patients with ataxia-telangiectasia. 1997 , 10, 100-7	132
1917	Registries of immunodeficiency patients and mutations. 1997 , 10, 261-7	8
1916	Loss of heterozygosity at 11q23.1 in breast carcinomas: Indication for involvement of a gene distal and close to ATM. 1997 , 18, 175-180	47
1915	BRCA1 and BRCA2 hereditary breast carcinoma phenotypes. 1997 , 80, 543-556	40
1914	Prenatal DNA diagnosis on demanda possible new approach to DNA service provision. 1997 , 17, 989-90	3
1913	Analysis of Rad3 and Chk1 protein kinases defines different checkpoint responses. 1998 , 17, 7239-49	131
1912	Hus1p, a conserved fission yeast checkpoint protein, interacts with Rad1p and is phosphorylated in response to DNA damage. 1998 , 17, 2055-66	104
1911	DNA double-stranded breaks induce histone H2AX phosphorylation on serine 139. 1998 , 273, 5858-68	3885
1910	Chromosome 11q22.3-q25 LOH in ovarian cancer: association with a more aggressive disease course and involved subregions. 1998 , 71, 299-304	36
1909	ATM: the p53 booster. 1998 , 4, 1231-2	35
1908	Nailing down another HIV target. 1998, 4, 1232-3	16
1907	Circular chromosome formation in a fission yeast mutant defective in two ATM homologues. 1998 , 20, 203-6	206

1906	Identical mutation in 55% of the ATM alleles in 11 Norwegian AT families: evidence for a founder effect. 1998 , 6, 235-44	35
1905	Applications of DNA chips for genomic analysis. 1998 , 3, 483-92	31
1904	ATM is usually rearranged in T-cell prolymphocytic leukaemia. 1998 , 16, 789-96	8o
1903	An anti-sense construct of full-length ATM cDNA imposes a radiosensitive phenotype on normal cells. 1998 , 17, 811-8	30
1902	A novel ionizing radiation-induced signaling pathway that activates the transcription factor NF-kappaB. 1998 , 17, 1821-6	117
1901	The role of ATM in DNA damage responses and cancer. 1998 , 17, 3301-8	141
1900	ATM associates with and phosphorylates p53: mapping the region of interaction. 1998 , 20, 398-400	404
1899	ATM-dependent activation of p53 involves dephosphorylation and association with 14-3-3 proteins. 1998 , 19, 175-8	407
1898	Heterozygosity for mutations in the ataxia telangiectasia gene is not a major cause of radiotherapy complications in breast cancer patients. 1998 , 78, 922-7	49
1897	Splitting the ATM: distinct repair and checkpoint defects in ataxia-telangiectasia. 1998 , 14, 312-6	140
1896	Caffeine does not potentiate gamma-radiation induced DNA damage in ataxia telangiectasia lymphoblastoid cells. 1998 , 401, 27-32	6
1895	The naevoid basal-cell carcinoma syndrome (Gorlin syndrome) is a chromosomal instability syndrome. 1998 , 397, 287-92	14
1894	Abnormalities of chromosomes 8, 11, 14, and X in T-prolymphocytic leukemia studied by fluorescence in situ hybridization. 1998 , 103, 110-6	82
1893	Investigating the biological functions of DNA topoisomerases in eukaryotic cells. 1998 , 1400, 63-81	244
1892	Obtaining value from the human genome: a challenge for the pharmaceutical industry. 1998 , 3, 179-188	5
1891	Ataxia-telangiectasia, ATM and genomic stability: maintaining a delicate balance. Two international workshops on ataxia-telangiectasia, related disorders and the ATM protein. 1998 , 1378, R11-8	5
1890	An insight into the life of p53: a protein coping with many functions! Review of the 9th p53 Workshop, Crete, May 9-13, 1998. 1998 , 1378, R43-54	8
1889	Ataxia telangiectasia. 1998 , 5, 287-94	118

1888	Novel exonic mutation (5319 G to A) resulting in two aberrantly spliced transcripts of the ATM gene in a Japanese patient with ataxia-telangiectasia. 1998 , Suppl 1, S223-5	7
1887	Familial spinocerebellar ataxia with cerebellar atrophy, peripheral neuropathy, and elevated level of serum creatine kinase, gamma-globulin, and alpha-fetoprotein. 1998 , 44, 265-9	51
1886	Expression of the ATM gene is significantly reduced in sporadic breast carcinomas. 1998 , 78, 306-9	31
1885	A phosphatidylinositol 3-kinase inhibitor wortmannin induces radioresistant DNA synthesis and sensitizes cells to bleomycin and ionizing radiation. 1998 , 78, 642-7	48
1884	Dual functions of DNA repair genes: molecular, cellular, and clinical implications. 1998, 20, 146-55	36
1883	"Isogaba Maware": quality control of genome DNA by checkpoints. 1998 , 20, 391-9	14
1882	Ataxia-telangiectasia without immunodeficiency: Novel point mutations within and adjacent to the phosphatidylinositol 3-kinase-like domain. 1998 , 75, 141-144	25
1881	The development of epithelial phenotypes in the human fetal and infant breast. 1998 , 184, 197-206	48
1880	Loss of heterozygosity during the development and progression of differentiated adenocarcinoma of the stomach. 1998 , 185, 38-43	63
1879	Identification of ATM mutations using extended RT-PCR and restriction endonuclease fingerprinting, and elucidation of the repertoire of A-T mutations in Israel. 1998 , 11, 69-75	36
1878	ATM mutations in patients with ataxia telangiectasia screened by a hierarchical strategy. 1998 , 12, 186-95	16
1877	ATM germline mutations in classical ataxia-telangiectasia patients in the Dutch population. 1998 , 12, 330-7	32
1876	Ataxia-telangiectasia in the Japanese population: identification of R1917X, W2491R, R2909G,	5
	IVS33+2T>A, and 7883del5, the latter two being relatively common mutations. 1998 , 12, 338-43	
1875	A double missense mutation in the ATM gene of a Dutch family with ataxia telangiectasia. 1998 , 12, 338-43	16
1875 1874	A double missense mutation in the ATM gene of a Dutch family with ataxia telangiectasia. 1998 ,	16 27
	A double missense mutation in the ATM gene of a Dutch family with ataxia telangiectasia. 1998 , 102, 187-91 Mutations of the ATM gene detected in Japanese ataxia-telangiectasia patients: possible	
1874	A double missense mutation in the ATM gene of a Dutch family with ataxia telangiectasia. 1998, 102, 187-91 Mutations of the ATM gene detected in Japanese ataxia-telangiectasia patients: possible preponderance of the two founder mutations 4612del165 and 7883del5. 1998, 102, 403-8 A high proportion of mutations in the BRCA1 gene in German breast/ovarian cancer families with	27

Cellular and molecular basis of immunodeficiencies: their consequences for the development and induction of the immune response. **1998**, 43, 535-42

Overexpression of Rb and E2F-1 in ataxia-telangiectasia lymphocytes. 1998 , 21, 640-4	4
1868 Molecular cytogenetic analysis of B-cell chronic lymphocytic leukemia. 1998 , 76, 101-10	37
Mouse cdc21 only 0.5 kb upstream from dna-pkcs in a head-to-head organization: an implication of co-evolution of ATM family members and cell cycle regulating genes. 1998 , 9, 769-72	10
1866 Hereditīle Karzinomsyndrome in der Frauenheilkunde. 1998 , 31, 1039-1045	2
1865 The ATM gene and susceptibility to childhood T-cell acute lymphoblastic leukaemia. 1998 , 103, 536-8	17
1864 Genetic susceptibility to cancer: ICRP Publication 79. 1998 , 28, 1-157	26
Identification of a novel c-DNA overexpressed in Fanconi's anemia fibroblasts partially homologous to a putative L-3-phosphoserine-phosphatase. 1998 , 210, 297-306	9
1862 Genes involved in hereditary ataxias. 1998, 21, 413-8	67
Expression of the ataxia-telangiectasia gene (ATM) product in human cerebellar neurons during development. 1998 , 252, 195-8	81
Atm expression patterns suggest a contribution from the peripheral nervous system to the phenotype of ataxia-telangiectasia. 1998 , 86, 1045-54	47
Congenital disorders sharing oxidative stress and cancer proneness as phenotypic hallmarks: prospects for joint research in pharmacology. 1998 , 51, 253-66	26
Heavy-Ion Radiobiology: New Approaches to Delineate Mechanisms Underlying Enhanced Biological Effectiveness. 1998 , 150, S126	127
A review of the inherited ataxias: recent advances in genetic, clinical and neuropathologic aspects. 1998 , 4, 161-9	5
1856 Mitotic DNA damage and replication checkpoints in yeast. 1998 , 10, 749-58	145
1855 Negative control elements of the cell cycle in human tumors. 1998 , 10, 791-7	37
1854 Screening women aged less than 50 years with a family history of breast cancer. 1998 , 34, 878-83	58
1853 Involvement of Brca2 in DNA repair. 1998 , 1, 347-57	504

1852	Nibrin, a novel DNA double-strand break repair protein, is mutated in Nijmegen breakage syndrome. 1998 , 93, 467-76	880
1851	Structure and function of phosphoinositide 3-kinases. 1998 , 1436, 127-50	511
1850	Ataxia-telangiectasia: identification and detection of founder-effect mutations in the ATM gene in ethnic populations. 1998 , 62, 86-97	129
1849	ATM mutations and phenotypes in ataxia-telangiectasia families in the British Isles: expression of mutant ATM and the risk of leukemia, lymphoma, and breast cancer. 1998 , 62, 334-45	313
1848	Genotype-phenotype relationships in ataxia-telangiectasia and variants. 1998 , 62, 551-61	211
1847	A 7-year-old girl with cerebral palsy and multiple warts. 1998 , 81, 195-201	2
1846	Primary immunodeficiency disorders. 1998 , 25, 739-58	2
1845	Vascular anomalies. A primer for pediatricians. 1998 , 45, 1455-77	56
1844	Lack of correlation between ATM protein expression and tumour cell radiosensitivity. 1998 , 74, 217-24	60
1843	Summary of ocular genetic disorders and inherited systemic conditions with eye findings. 1998 , 19, 1-17	5
1842	Radiosensitivity in Ataxia Telangiectasia Fibroblasts Is Not Associated with Deregulated Apoptosis. 1998 , 150, 11	28
1841	Wortmannin Inhibits Repair of DNA Double-Strand Breaks in Irradiated Normal Human Cells. 1998 , 149, 440	52
1840	Defective Modulation of Double-Strand Break Repair in Ataxia Telangiectasia Cells by Gamma Radiation. 1998 , 150, 627	5
1839	Effect of Low-Dose Preirradiation on Induction of the HSP70B-LacZ Fusion Gene in Human Cells Treated with Heat Shock. 1998 , 149, 195	15
1838	Cloning and expression of the ataxia-telangiectasia gene in baculovirus. 1998 , 245, 144-8	16
1837	The promoters for human DNA-PKcs (PRKDC) and MCM4: divergently transcribed genes located at chromosome 8 band q11. 1998 , 47, 71-83	38
1836	cDNA cloning and gene mapping of human homologs for Schizosaccharomyces pombe rad17, rad1, and hus1 and cloning of homologs from mouse, Caenorhabditis elegans, and Drosophila melanogaster. 1998 , 54, 424-36	46
1835	RAD1, a human structural homolog of the Schizosaccharomyces pombe RAD1 cell cycle checkpoint gene. 1998 , 54, 344-7	22

1834	p53: radiosensitivity and antiangiogenic effects. 1998 , 64, 7-11	4
1833	A model for ATM heterozygote identification in a large population: four founder-effect ATM mutations identify most of Costa Rican patients with ataxia telangiectasia. 1998 , 64, 36-43	42
1832	Testing for mutations of the ataxia telangiectasia gene in radiosensitive breast cancer patients. 1998 , 47, 125-8	52
1831	Modelling the enhancement of fractionated radiotherapy by gene transfer to sensitize tumour cells to radiation. 1998 , 48, 5-13	16
1830	Radiosensitivity and oxidative signalling in ataxia telangiectasia: an update. 1998 , 47, 113-23	43
1829	Infantile onset spinocerebellar ataxia with sensory neuropathy (IOSCA): neuropathological features. 1998 , 161, 57-65	51
1828	Mec1p is essential for phosphorylation of the yeast DNA damage checkpoint protein Ddc1p, which physically interacts with Mec3p. 1998 , 17, 4199-209	113
1827	Requirement for Atm in ionizing radiation-induced cell death in the developing central nervous system. <i>Science</i> , 1998 , 280, 1089-91	362
1826	Enhanced phosphorylation of p53 by ATM in response to DNA damage. <i>Science</i> , 1998 , 281, 1674-7 33.3	1558
1825	Activation of the ATM kinase by ionizing radiation and phosphorylation of p53. <i>Science</i> , 1998 , 281, 1677-93.3	1551
1824	Attenuation of G1 checkpoint function by the non-genotoxic carcinogen phenobarbital. 1998, 19, 1173-83	15
1823	Elongation of the epiphyseal trabecular bone in transgenic mice carrying a klotho gene locus mutation that leads to a syndrome resembling aging. 1998 , 159, 1-8	43
1822	HRAD1 and MRAD1 encode mammalian homologues of the fission yeast rad1(+) cell cycle checkpoint control gene. 1998 , 26, 3971-6	34
1821	The yeast telomere length regulator TEL2 encodes a protein that binds to telomeric DNA. 1998 , 26, 1528-35	28
1820	Regulation of telomere length by checkpoint genes in Schizosaccharomyces pombe. 1998 , 9, 611-21	61
1819	Modification of phosphatidylinositol 3-kinase SH2 domain binding properties by Abl- or Lck-mediated tyrosine phosphorylation at Tyr-688. 1998 , 273, 3994-4000	37
1818	A human homologue of the Schizosaccharomyces pombe rad1+ checkpoint gene encodes an exonuclease. 1998 , 273, 18332-9	79
1817	Human and mouse homologs of Schizosaccharomyces pombe rad1(+) and Saccharomyces cerevisiae RAD17: linkage to checkpoint control and mammalian meiosis. 1998 , 12, 2560-73	91

1816	Characterization of ATM expression, localization, and associated DNA-dependent protein kinase activity. 1998 , 9, 2361-74	154
1815	Strategies for mutational analysis of the large multiexon ATM gene using high-density oligonucleotide arrays. 1998 , 8, 1245-58	99
1814	Functional association of poly(ADP-ribose) polymerase with DNA polymerase alpha-primase complex: a link between DNA strand break detection and DNA replication. 1998 , 26, 1891-8	115
1813	Defective potassium currents in ataxia telangiectasia fibroblasts. 1998 , 12, 3686-92	13
1812	Selective loss of dopaminergic nigro-striatal neurons in brains of Atm-deficient mice. 1998 , 95, 12653-6	85
1811	DNA repair disorders. 1998 , 78, 178-84	30
1810	Identification of a human homologue of the Schizosaccharomyces pombe rad17+ checkpoint gene. 1998 , 273, 18340-6	55
1809	The ataxia telangiectasia gene in familial and sporadic cancer. 1998 , 154, 156-73	24
1808	Loss of heterozygosity of BRCA1, BRCA2 and ATM genes in sporadic invasive ductal breast carcinoma. 1998 , 13, 849-53	12
1807	No evidence for constitutional ATM mutation in breast/gastric cancer families. 1998 , 12, 1385-90	8
1806	Ataxia telangiectasia associated with B-cell lymphoma: the effect of a half-dose of the drugs administered according to the acute lymphoblastic leukemia standard risk protocol. 1998 , 15, 425-9	11
1805	Radiosensitive melanoma cell line with mutation of the gene for ataxia telangiectasia. 1998, 77, 11-4	15
1804	Ataxia Telangiectasia. 1998 , 247-251	6
1803	Protein kinase mutants of human ATR increase sensitivity to UV and ionizing radiation and abrogate cell cycle checkpoint control. 1998 , 95, 7445-50	200
1802	Specific mismatch recognition in heteroduplex intermediates by p53 suggests a role in fidelity control of homologous recombination. 1998 , 18, 5332-42	119
1801	DNA-dependent protein kinase phosphorylation of IkappaB alpha and IkappaB beta regulates NF-kappaB DNA binding properties. 1998 , 18, 4221-34	67
1800	Consequences of the delayed diagnosis of ataxia-telangiectasia. 1998 , 102, 98-100	117
1799	KARP-1 is induced by DNA damage in a p53- and ataxia telangiectasia mutated-dependent fashion. 1998 , 95, 7664-9	41

1798 Mammalian DNA topoisomerase IIIalpha is essential in early embryogenesis. 1998 , 95, 1010-3	137
A sensitive fluorescent assay for measuring the cysteine protease activity of Der p 1, a major allergen from the dust mite Dermatophagoides pteronyssinus. 1998 , 51, 222-4	33
1796 The dystonias. 1998 , 35, 314-8	9
Immunohistochemical retrieval of the principal HIV antigens p24, gp41, and gp120 in formalin fixed tissue: an investigation using HIV infected lymphoblasts and postmortem brain tissue from AIDS cases. 1998 , 51, 227-31	4
1794 Cancer genes and risk assessment. 1998 , 74, 173-80	2
1793 Involvement of p53 and p21 in cellular defects and tumorigenesis in Atm-/- mice. 1998 , 18, 4385-90	90
Functional and physical interaction between Rad24 and Rfc5 in the yeast checkpoint pathways. 1792 1998 , 18, 5485-91	74
1791 ATM binds to beta-adaptin in cytoplasmic vesicles. 1998 , 95, 10146-51	155
1790 Upregulation of ATM in sclerosing adenosis of the breast. 1998 , 51, 224-6	20
Higher sensitivity in induction of apoptosis in fibroblast cell lines derived from LEC strain rats to UV-irradiation. 1998 , 60, 207-12	5
0 v irradiación. 1990, 00, 201 12	J
1788 DNA breakage and repair. 1998 , 38, 185-218	258
1788 DNA breakage and repair. 1998 , 38, 185-218	258
DNA breakage and repair. 1998 , 38, 185-218 1787 Linnonce din destin tragique au cir dine vie sans nuage. 1998 , 54, 247	258
1788 DNA breakage and repair. 1998, 38, 185-218 1787 L\(\text{lnnonce d\(\text{ln}\)}\) destin tragique au c\(\text{lr d\(\text{lne}\)}\) vie sans nuage. 1998, 54, 247 1786 Phospholipid-Derived Second Messengers. 1998, 255-291 Abstracts of the 7th International Workshop on AT, November 1997, Clermont-Ferrand, France.	258
DNA breakage and repair. 1998, 38, 185-218 1787 L\(\text{linnonce d\(\text{lin destin tragique au c\(\text{lin d\(\text{line vie sans nuage.}}\) 1998, 54, 247 1786 Phospholipid-Derived Second Messengers. 1998, 255-291 Abstracts of the 7th International Workshop on AT, November 1997, Clermont-Ferrand, France. 1998, 14, 21-89	258 O
DNA breakage and repair. 1998, 38, 185-218 1787 LBnnonce dln destin tragique au cll dlne vie sans nuage. 1998, 54, 247 1786 Phospholipid-Derived Second Messengers. 1998, 255-291 1785 Abstracts of the 7th International Workshop on AT, November 1997, Clermont-Ferrand, France. 1998, 14, 21-89 1784 Cerebral sinus thrombosis and oral contraceptives. There are limits to predictability. 1998, 317, 483-4	258 O

1780 Cell cycle control, checkpoint mechanisms, and genotoxic stress. 1999 , 107 Suppl 1, 5-24	180
Altered telomere nuclear matrix interactions and nucleosomal periodicity in ataxia telangiect cells before and after ionizing radiation treatment. 1999 , 19, 6963-71	casia 65
Heterozygous germline ATM mutations do not contribute to radiation-associated malignancional after Hodgkin's disease. 1999 , 17, 1259	es 49
1777 Cloning human homologs of yeast genes. 1999 , 405-425	
1776 The Phacomatoses. 1999 , 10, 775-787	3
1775 Genetics of Cutaneous Malignant Melanoma. 1999 , 22, 478-484	2
1774 7 DNA-dependent protein kinase and related proteins. 1999 , 91-104	8
ATM Is Upregulated During the Mitogenic Response in Peripheral Blood Mononuclear Cells. 1 94, 1998-2006	999, 36
Reduced Expression of Adhesion Molecules and Cell Signaling Receptors by Chronic Lymphoc Leukemia Cells With 11q Deletion. 1999 , 93, 624-631	cytic 55
1771 Regulated Genomic Instability and Neoplasia in the Lymphoid Lineage. 1999 , 94, 3997-4010	108
Regulated Genomic Instability and Neoplasia in the Lymphoid Lineage. 1999 , 94, 3997-4010 Somatic ATM Mutations Indicate a Pathogenic Role of ATM in B-Cell Chronic Lymphocytic Leukemia. 1999 , 94, 748-753	108
Somatic ATM Mutations Indicate a Pathogenic Role of ATM in B-Cell Chronic Lymphocytic	
Somatic ATM Mutations Indicate a Pathogenic Role of ATM in B-Cell Chronic Lymphocytic Leukemia. 1999 , 94, 748-753	224
Somatic ATM Mutations Indicate a Pathogenic Role of ATM in B-Cell Chronic Lymphocytic Leukemia. 1999 , 94, 748-753 1769 Isolation of Ku70-binding proteins (KUBs). 1999 , 27, 2165-74	224 87 4
Somatic ATM Mutations Indicate a Pathogenic Role of ATM in B-Cell Chronic Lymphocytic Leukemia. 1999, 94, 748-753 1769 Isolation of Ku70-binding proteins (KUBs). 1999, 27, 2165-74 1768 Strategies for cloning mammalian DNA repair genes. 1999, 113, 57-85 Analysis of inhibition of DNA replication in irradiated cells using the SV40-based in vitro assay	224 87 4 7 of
Somatic ATM Mutations Indicate a Pathogenic Role of ATM in B-Cell Chronic Lymphocytic Leukemia. 1999, 94, 748-753 1769 Isolation of Ku70-binding proteins (KUBs). 1999, 27, 2165-74 1768 Strategies for cloning mammalian DNA repair genes. 1999, 113, 57-85 Analysis of inhibition of DNA replication in irradiated cells using the SV40-based in vitro assay DNA replication. 1999, 113, 543-53 Physical map of the region surrounding the ataxia-telangiectasia gene on human chromosom	224 87 4 v of 2
Somatic ATM Mutations Indicate a Pathogenic Role of ATM in B-Cell Chronic Lymphocytic Leukemia. 1999, 94, 748-753 1769 Isolation of Ku70-binding proteins (KUBs). 1999, 27, 2165-74 1768 Strategies for cloning mammalian DNA repair genes. 1999, 113, 57-85 1767 Analysis of inhibition of DNA replication in irradiated cells using the SV40-based in vitro assay DNA replication. 1999, 113, 543-53 Physical map of the region surrounding the ataxia-telangiectasia gene on human chromosom 11q22-23. 1999, 30, 176-80	224 87 4 7 of 2 e 3

1762	The risks of treating keloids with radiotherapy. 1999 , 72, 1222-4	70
1761	Loss of the ataxia-telangiectasia gene product causes oxidative damage in target organs. 1999 , 96, 9915-9	211
1760	Mitogen-activated protein kinase kinase 2 activation is essential for progression through the G2/M checkpoint arrest in cells exposed to ionizing radiation. 1999 , 274, 2732-42	103
1759	Radiation-induced assembly of Rad51 and Rad52 recombination complex requires ATM and c-Abl. 1999 , 274, 12748-52	214
1758	Genetic disorders associated with cancer predisposition and genomic instability. 1999 , 63, 189-221	47
1757	Involvement of regulatory and catalytic subunits of phosphoinositide 3-kinase in NF-kappaB activation. 1999 , 96, 429-34	274
1756	Characterization of ATM gene mutations in 66 ataxia telangiectasia families. 1999 , 8, 69-79	163
1755	Requirement of sequences outside the conserved kinase domain of fission yeast Rad3p for checkpoint control. 1999 , 10, 3223-38	16
1754	The human G2 checkpoint control protein hRAD9 is a nuclear phosphoprotein that forms complexes with hRAD1 and hHUS1. 1999 , 10, 1985-95	117
1753	Sensing of ionizing radiation-induced DNA damage by ATM through interaction with histone deacetylase. 1999 , 274, 31127-30	88
1752	HRad17 colocalizes with NHP2L1 in the nucleolus and redistributes after UV irradiation. 1999 , 274, 36544-9	36
1751	Localization of a portion of extranuclear ATM to peroxisomes. 1999 , 274, 34277-82	146
1750	Purification and DNA binding properties of the ataxia-telangiectasia gene product ATM. 1999 , 96, 11134-9	148
1749	Phosphorylation of Ser-20 mediates stabilization of human p53 in response to DNA damage. 1999 , 96, 13777-82	477
1748	Human homologs of Schizosaccharomyces pombe rad1, hus1, and rad9 form a DNA damage-responsive protein complex. 1999 , 274, 567-70	153
1747	The missing link in linkage analysis: the well sibling revisited. 1999 , 3, 273-8	14
1746	Recruitment of ATM protein to double strand DNA irradiated with ionizing radiation. 1999 , 274, 25571-5	91
1745	Tumor suppressor genes in breast cancer. 1999 , 6, 405-19	26

1744	Genetic effects on immunity new genes - how do they fit?. 1999 , 11, 427-30	2
1743	Chromosomal breakage syndromes. 1999 , 11, 443-7	30
1742	Addendum. 1999 , 29, 175-207	
1741	The PIK-related kinases intercept conventional signaling pathways. 1999 , 6, R129-36	56
1740	Ataxia-telangiectasia, cancer and the pathobiology of the ATM gene. 1999 , 55, 289-304	139
1739	Sequence analysis of the ATM gene in 20 patients with RTOG grade 3 or 4 acute and/or late tissue radiation side effects. 1999 , 44, 981-8	37
1738	The genetic basis of breast cancer and its clinical implications. 1999 , 69, 95-105	21
1737	Diverse and dynamic functions of the Sir silencing complex. 1999 , 23, 281-5	140
1736	A Rad3-Rad26 complex responds to DNA damage independently of other checkpoint proteins. 1999 , 1, 393-8	177
1735	Expression and regulation of collagenase-3 (MMP-13) in human malignant tumors. 1999 , 107, 45-53	73
1734	Rapid and efficient ATM mutation detection by fluorescent chemical cleavage of mismatch: identification of four novel mutations. 1999 , 7, 310-20	9
1733	Linkage analysis for ATM in familial B cell chronic lymphocytic leukaemia. 1999 , 13, 1497-500	31
1732	Chk1 complements the G2/M checkpoint defect and radiosensitivity of ataxia-telangiectasia cells. 1999 , 18, 249-56	33
1731	hRAD17, a structural homolog of the Schizosaccharomyces pombe RAD17 cell cycle checkpoint gene, stimulates p53 accumulation. 1999 , 18, 1689-99	18
1730	p53 inhibits entry into mitosis when DNA synthesis is blocked. 1999 , 18, 283-95	66
1729	The ATM protein is required for sustained activation of NF-kappaB following DNA damage. 1999 , 18, 2261-71	143
1728	Cell-cycle-dependent and ATM-independent expression of human Chk1 kinase. 1999 , 18, 3673-81	130
1727	Mammalian Chk2 is a downstream effector of the ATM-dependent DNA damage checkpoint pathway. 1999 , 18, 4047-54	356

1726	Regulation of p53 in response to DNA damage. 1999 , 18, 7644-55	742
1725	Interaction partners of Dlk/ZIP kinase: co-expression of Dlk/ZIP kinase and Par-4 results in cytoplasmic retention and apoptosis. 1999 , 18, 7265-73	95
1724	Disruption of ATM in p53-null cells causes multiple functional abnormalities in cellular response to ionizing radiation. 1999 , 18, 7002-9	93
1723	Isolation and characterization of Xenopus ATM (X-ATM): expression, localization, and complex formation during oogenesis and early development. 1999 , 18, 7070-9	27
1722	Twenty years of p53 research: structural and functional aspects of the p53 protein. 1999 , 18, 7621-36	505
1721	Risk of breast cancer and other cancers in heterozygotes for ataxia-telangiectasia. 1999 , 79, 1304-7	82
1720	Frequent allelic losses at 11q24.1-q25 in young women with breast cancer: association with poor survival. 1999 , 80, 843-9	25
1719	European multicenter study on LOH of APOC3 at 11q23 in 766 breast cancer patients: relation to clinical variables. Breast Cancer Somatic Genetics Consortium. 1999 , 80, 879-82	12
1718	Breast cancer risk in ataxia telangiectasia (AT) heterozygotes: haplotype study in French AT families. 1999 , 80, 1042-5	90
1717	Absence of mutations in the ATM gene in forty-seven cases of sporadic breast cancer. 1999 , 80, 1979-81	41
1716	Effects of the protein kinase inhibitors wortmannin and KN62 on cellular radiosensitivity and radiation-activated S phase and G1/S checkpoints in normal human fibroblasts. 1999 , 81, 959-65	20
1715	The role of radiation-induced apoptosis as a determinant of tumor responses to radiation therapy. 1999 , 4, 115-43	70
1714	Impaired IgG antibody production to pneumococcal polysaccharides in patients with ataxia-telangiectasia. 1999 , 19, 326-34	47
1713	Structure of DNA-dependent protein kinase: implications for its regulation by DNA. 1999 , 18, 1114-23	92
1712	Determination of the genotype of a panel of human tumor cell lines for the human homologues of yeast cell cycle checkpoint control genes: identification of cell lines carrying homoallelic missense base substitutions. 1999 , 25, 41-8	6
1711	Structure, expression profile, and chromosomal location of a mouse gene homologous to human DNA-PKcs interacting protein (KIP) gene. 1999 , 10, 315-7	10
1710	Malignancies in pediatric patients with ataxia telangiectasia. 1999 , 29, 225-30	36
1709	Aging and chromosomal instability. 1999 , 139, 141-74	3

1708 The dual role model for p53 in maintaining genomic integrity. 1999 , 55, 12-27	111
Charakterisierung der Lymphozytensubpopulationen bei Patienten mit Ataxia teleangiectatica 17 07 1999 , 147, 927-931	
1706 Recombination and its roles in DNA repair, cellular immortalization and cancer. 1999 , 22, 71-88	7
1705 T-cell prolymphocytic leukemia with a novel translocation (6;11)(q21;q23). 1999 , 111, 149-51	2
Nuclear factor-kappaB/Rel proteins: a point of convergence of signalling pathways relevant in neuronal function and dysfunction. 1999 , 57, 1-7	166
ATM immunolocalization in mouse neuronal endosomes: implications for ataxia-telangiectasia. 17 °03 1999 , 842, 351-8	29
1702 Many faces of ATM: eighth international workshop on ataxia-telangiectasia. 1999 , 1424, R45-55	5 7
1701 Radiation, DNA damage and cancer. 1999 , 5, 157-64	35
1700 The cell cycle and drug discovery: the promise and the hope. 1999 , 4, 455-464	34
1699 Adult and paediatric movement disorders. 1999 , 3, 39-41	
1698 Ocular motor abnormalities in ataxia telangiectasia. 1999 , 46, 287-95	69
Changes of chromatin condensation in one patient with ataxia telangiectasia disorder: a structus study. 1999 , 75, 578-86	ural 9
New mutations, polymorphisms, and rare variants in the ATM gene detected by a novel SSCP strategy. 1999 , 14, 156-62	50
Loss of heterozygosity at 11q23.1 and survival in breast cancer: Results of a large European stu 1695 1999 , 25, 212-221	ıdy. 31
Identification of germline missense mutations and rare allelic variants in the ATM gene in early-onset breast cancer. 1999 , 26, 286-294	67
Accumulation of recombinant chromosomes and low fidelity of transmission of chromosome X markers in gamma-ray-induced lymphomas lacking p53. 1999 , 24, 57-63	DNA 4
1692 Breast cancer: genetic predisposition and exposure to radiation. 1999 , 26, 143-9	11
Molecular prenatal diagnosis of ataxia telangiectasia heterozygosity by direct mutational assay 1999 , 19, 542-5	/S. 12

1690	NS22: a highly polymorphic complex microsatellite marker within the ATM gene. 1999 , 82, 287-9	14
1689	Neutral sequence variants and haplotypes at the 150 Kb ataxia-telangiectasia locus. 1999 , 86, 140-144	9
1688	A mark on the arm: myths of carrier status in sibs of individuals with ataxia-telangiectasia. 1999 , 86, 338-46	24
1687	Never again joy without sorrow: the effect on parents of a child with ataxia-telangiectasia. 1999 , 87, 413-9	28
1686	"My crooked vision": the well sib views ataxia-telangiectasia. 1999 , 87, 420-5	16
1685	Inherited and inducible chromosomal instability: a fragile bridge between genome integrity mechanisms and tumourigenesis. 1999 , 187, 19-27	47
1684	The topoisomerase I poison camptothecin generates a Chk1-dependent DNA damage checkpoint signal in fission yeast. 1999 , 15, 821-8	59
1683	Telomeric length in individuals and cell lines with altered p53 status. 1999 , 7, 13-21	12
1682	Enhanced radiation late effects and cellular radiation sensitivity in an ATM heterozygous breast cancer patient. 1999 , 7, 231-7	21
1681	Nijmegen breakage syndrome: consequences of defective DNA double strand break repair. 1999 , 21, 649-56	64
1680	DNA Repair Protocols. 1999 ,	4
1679	ATM protein synthesis patterns in sporadic breast cancer. 1999 , 52, 252-6	27
1678	Diagnostic Cytogenetics. 1999 ,	16
1677	Genetic testing for breast cancer predisposition. 1999 , 79, 1171-87, xxi	5
1676	Requirement of ATM-dependent phosphorylation of brca1 in the DNA damage response to double-strand breaks. <i>Science</i> , 1999 , 286, 1162-6	848
1675	Neurodegeneration in ataxia-telangiectasia is caused by horror autotoxicus. 1999 , 52, 377-82	4
1674	New gene targets related to schizophrenia and other psychiatric disorders: enzymes, binding proteins and transport proteins involved in phospholipid and fatty acid metabolism. 1999 , 60, 141-67	68
1673	Multiple ATM-dependent pathways: an explanation for pleiotropy. 1999 , 64, 46-50	52

1672	Splicing defects in the ataxia-telangiectasia gene, ATM: underlying mutations and consequences. 1999 , 64, 1617-31	250
1671	Cellular responses to radiation and risk of breast cancer. 1999 , 35, 540-8	21
1670	ATM heterozygote cells exhibit intermediate levels of apoptosis in response to streptonigrin and etoposide. 1999 , 35, 1130-5	12
1669	ATM: the product of the gene mutated in ataxia-telangiectasia. 1999 , 31, 735-40	33
1668	Needle-in-a-haystack detection and identification of base substitution mutations in human tissues. 1999 , 406, 79-100	14
1667	Abnormal myo-inositol and phospholipid metabolism in cultured fibroblasts from patients with ataxia telangiectasia. 1999 , 1437, 287-300	9
1666	Cellular response to DNA damage. Link between p53 and DNA-PK. 1999 , 322, 113-20	6
1665	High sensitivity of the ultraviolet-induced p53 response in ultraviolet-sensitive syndrome, a photosensitive disorder with a putative defect in deoxyribonucleic acid repair of actively transcribed genes. 1999 , 433, 23-32	8
1664	Immortalization and characterization of Nijmegen Breakage syndrome fibroblasts. 1999 , 434, 17-27	83
1663	Why do we have linear chromosomes? A matter of Adam and Eve. 1999 , 434, 99-107	28
1662	Deficiency in fast repair process of potentially lethal damage induced by X-irradiation in fibroblasts derived from LEC strain rats. 1999 , 435, 81-8	8
1661	The contribution of homologous recombination in preserving genome integrity in mammalian cells. 1999 , 81, 87-105	116
1660	Inactivation of ataxia telangiectasia mutated gene in B-cell chronic lymphocytic leukaemia. 1999 , 353, 26-9	296
1659	The Molecular and Cellular Basis of Radiosensitivity: Implications for Understanding How Normal Tissues and Tumors Respond to Therapeutic Radiation. 1999 , 17, 56-72	84
1658	The DNA double-strand break repair gene hMRE11 is mutated in individuals with an ataxia-telangiectasia-like disorder. 1999 , 99, 577-87	886
1657	MEC1-dependent redistribution of the Sir3 silencing protein from telomeres to DNA double-strand breaks. 1999 , 97, 609-20	288
1656	Pancreatic cancer. 1999 , 36, 57-152	37
1655	Molecular association between ATR and two components of the nucleosome remodeling and deacetylating complex, HDAC2 and CHD4. 1999 , 38, 14711-7	80

(2000-1999)

1654	GADD45 induction of a G2/M cell cycle checkpoint. 1999 , 96, 3706-11	522
1653	Mouse Hus1, a homolog of the Schizosaccharomyces pombe hus1+ cell cycle checkpoint gene. 1999 , 59, 32-9	15
1652	Cancer risk in ATM heterozygotes: a model of phenotypic and mechanistic differences between missense and truncating mutations. 1999 , 68, 419-23	164
1651	Targeting double-strand breaks to replicating DNA identifies a subpathway of DSB repair that is defective in ataxia-telangiectasia cells. 1999 , 261, 317-25	43
1650	ATM in lymphoid development and tumorigenesis. 1999 , 72, 179-89	22
1649	Requirement for the kinase activity of human DNA-dependent protein kinase catalytic subunit in DNA strand break rejoining. 1999 , 19, 3877-84	242
1648	Interactions of TLC1 (which encodes the RNA subunit of telomerase), TEL1, and MEC1 in regulating telomere length in the yeast Saccharomyces cerevisiae. 1999 , 19, 6065-75	223
1647	Ovarian cancer: loss of heterozygosity frequently occurs in the ATM gene, but structural alterations do not occur in this gene. 1999 , 56, 160-3	22
1646	Recent progress in the diagnosis and treatment of patients with defects in early B-cell development. 1999 , 11, 528-32	28
1645	Atm is dispensable for p53 apoptosis and tumor suppression triggered by cell cycle dysfunction. 1999 , 19, 3095-102	38
1644	Role of a complex containing Rad17, Mec3, and Ddc1 in the yeast DNA damage checkpoint pathway. 1999 , 19, 1136-43	112
1643	Double-stranded-RNA-activated protein kinase PKR enhances transcriptional activation by tumor suppressor p53. 1999 , 19, 2475-84	124
1642	Atm inactivation results in aberrant telomere clustering during meiotic prophase. 1999 , 19, 5096-105	77
1641	Cleavage and inactivation of ATM during apoptosis. 1999 , 19, 6076-84	86
1640	Oligo-/monoclonal gammopathy and hypergammaglobulinemia in ataxia-telangiectasia. A study of 90 patients. 1999 , 78, 370-81	23
1639	The DNA damage checkpoint and human cancer. 2000 , 65, 489-98	17
1638	Acquired chromosome 11q deletion involving the ataxia teleangiectasia locus in B-cell non-Hodgkin's lymphoma: correlation with clinicobiologic features. 2000 , 18, 2607-14	36
1637	A Review of Epstein-Barr Virus Infection in Patients with Immunodeficiency Disorders. 2000 , 319, 392-396	28

1636	HDAC1, a histone deacetylase, forms a complex with Hus1 and Rad9, two G2/M checkpoint Rad proteins. 2000 , 275, 27909-16	58
1635	Interactions of the Nijmegen breakage syndrome protein with ATM and BRCA1. 2000 , 65, 535-45	7
1634	Lymphoid malignancy as a presenting sign of ataxia-telangiectasia. 2000 , 22, 464-7	26
1633	Hereditary Ataxias. 2000 , 75, 475-490	50
1632	The molecular basis and clinical management of ataxia telangiectasia. 2000 , 27, 184-91	31
1631	Neuro-ophthalmology of the phacomatoses. 2000 , 11, 413-20	7
1630	Checkpoints controlling mitosis. 2000 , 22, 351-63	68
1629	ATM gene deletion in patients with adult acute lymphoblastic leukemia. 2000 , 88, 1057-62	48
1628	Comparison of DNA repair protein expression and activities between human fibroblast cell lines with different radiosensitivities. 2000 , 85, 845-9	25
1627	Aberrant splicing of the ATM gene associated with shortening of the intronic mononucleotide tract in human colon tumor cell lines: a novel mutation target of microsatellite instability. 2000 , 86, 262-8	36
1626	Mutations at the ataxia-telangiectasia locus and clinical phenotypes of A-T patients. 2000, 92, 170-7	73
1625	Prevalence of germline truncating mutations in ATM in women with a second breast cancer after radiation therapy for a contralateral tumor. 2000 , 27, 124-129	24
1624	Closing the gaps among a web of DNA repair disorders. 2000 , 22, 966-9	16
1623	Characterization of ATM mutations in 41 Nordic families with ataxia telangiectasia. 2000 , 16, 232-46	48
1622	Cell-surface expression of transrearranged Vgamma-cbeta T-cell receptor chains in healthy donors and in ataxia telangiectasia patients. 2000 , 109, 201-10	14
1621	Cell cycle checkpoints and their inactivation in human cancer. 2000 , 33, 261-74	294
1620	Immunodeficiency associated with DNA repair defects. 2000 , 121, 1-7	46
1619	Carboxyl-terminal region conserved among phosphoinositide-kinase-related kinases is indispensable for mTOR function in vivo and in vitro. 2000 , 5, 765-75	63

(2000-2000)

1618	A new hyperrecombinogenic mutant of Nicotiana tabacum. 2000 , 24, 601-11	29
1617	Efficient DNA base excision repair in ataxia telangiectasia cells. 2000 , 267, 6883-7	7
1616	Les d f icits immunitaires h ffi itaires : De la physiopathologie au diagnostic. 2000 , 2000, 57-66	1
1615	Mutation analysis of BRCA1 and BRCA2 cancer predisposition genes in radiation hypersensitive cancer patients. 2000 , 48, 959-65	57
1614	ATM-dependent phosphorylation of nibrin in response to radiation exposure. 2000 , 25, 115-9	412
1613	Adenovirus-mediated antisense ATM gene transfer sensitizes prostate cancer cells to radiation. 2000 , 7, 1307-14	37
1612	Homozygosity mapping of spinocerebellar ataxia with cerebellar atrophy and peripheral neuropathy to 9q33-34, and with hearing impairment and optic atrophy to 6p21-23. 2000 , 8, 986-90	75
1611	Antisense ATM gene therapy: a strategy to increase the radiosensitivity of human tumors. 2000 , 7, 852-8	31
1610	Ionizing radiation activates the ATM kinase throughout the cell cycle. 2000 , 19, 1386-91	136
1609	Caspases and mitochondria in c-Myc-induced apoptosis: identification of ATM as a new target of caspases. 2000 , 19, 2354-62	54
1608	ATM phosphorylation of Nijmegen breakage syndrome protein is required in a DNA damage response. 2000 , 405, 477-82	383
1607	Lessons from human progeroid syndromes. 2000 , 408, 263-6	201
1606	The many substrates and functions of ATM. 2000 , 1, 179-86	626
1605	Participation of ATM in insulin signalling through phosphorylation of eIF-4E-binding protein 1. 2000 , 2, 893-8	237
1604	An unlikely player joins the ATM signalling network. 2000 , 2, E215-7	9
1603	The spinocerebellar ataxias: molecular progress and newly recognized paediatric phenotypes. 2000 , 4, 9-15	7
1602	The Mre11 complex and ATM: collaborating to navigate S phase. 2000 , 12, 293-6	205
1601	Regulation of the hTERT telomerase catalytic subunit by the c-Abl tyrosine kinase. 2000 , 10, 568-75	133

1600	A critical role for histone H2AX in recruitment of repair factors to nuclear foci after DNA damage. 2000 , 10, 886-95	1695
1599	Xenopus ATR is a replication-dependent chromatin-binding protein required for the DNA replication checkpoint. 2000 , 10, 1565-73	175
1598	The G2-phase DNA-damage checkpoint. 2000 , 10, 296-303	318
1597	FAT: a novel domain in PIK-related kinases. 2000 , 25, 225-7	243
1596	Nuclear receptors arose from pre-existing protein modules during evolution. 2000 , 25, 227-8	38
1595	Arteriovenous malformation of the nasal ala: a case report. 2000 , 58, 1303-9	5
1594	The management of familial breast cancer. 2000 , 9, 247-63	16
1593	Loss of heterozygosity at chromosomes 3, 6, 8, 11, 16, and 17 in ovarian cancer: correlation to clinicopathological variables. 2000 , 122, 49-54	48
1592	ATM heterozygosity and breast cancer: screening of 37 breast cancer patients for ATM mutations using a non-isotopic RNase cleavage-based assay. 2000 , 61, 79-85	10
1591	ATM dependent apoptosis in the nervous system. 2000 , 5, 523-9	37
1590	Hereditary breast cancer: a review. 2000 , 10, 271-88	40
1589	Loss of ATM function enhances recombinant adeno-associated virus transduction and integration through pathways similar to UV irradiation. 2000 , 268, 68-78	48
1588	ATM protein and p53-serine 15 phosphorylation in ataxia-telangiectasia (AT) patients and at heterozygotes. 2000 , 82, 1938-45	39
1587	Screening breast cancer patients for Norwegian ATM mutations. 2000 , 83, 1650-3	9
1586	The controlling role of ATM in homologous recombinational repair of DNA damage. 2000 , 19, 463-71	239
1585	Loss of heterozygosity in bilateral breast cancer. 2000 , 64, 241-51	32
1584	Signal transduction pathways leading to cell cycle arrest and apoptosis induced by DNA topoisomerase poisons. 2000 , 33, 181-8	13
1583	Genetic linkage analysis of X-ray hypersensitivity in the LEC mutant rat. 2000 , 11, 862-5	9

(2000-2000)

1582	Characterization of a Saccharomyces cerevisiae homologue of Schizosaccharomyces pombe Chk1 involved in DNA-damage-induced M-phase arrest. 2000 , 262, 1132-46	32
1581	Introduction: aging research comes of age. 2000 , 57, 695-7	5
1580	Multiple defects of cell cycle checkpoints in U937-ASPI3K, an U937 cell mutant stably expressing anti-sense ATM gene cDNA. 2000 , 20, 273-6	2
1579	Expression and subcellular localization of X-ATM during early Xenopus development. 2000 , 210, 467-9	3
1578	Characterization of Ce-atl-1, an ATM-like gene from Caenorhabditis elegans. 2000, 264, 119-26	17
1577	Genetic background of apparently idiopathic sporadic cerebellar ataxia. 2000, 107, 132-7	120
1576	Mortality rates among carriers of ataxia-telangiectasia mutant alleles. 2000 , 133, 770-8	124
1575	A syndrome involving intrauterine growth retardation, microcephaly, cerebellar hypoplasia, B lymphocyte deficiency, and progressive pancytopenia. 2000 , 105, E39	23
1574	Genetics and the Multidisciplinary Breast Center. 2000 , 9, 367-396	1
1573	p53 binding protein 1 (53BP1) is an early participant in the cellular response to DNA double-strand breaks. 2000 , 151, 1381-90	713
1572	Retention of the human Rad9 checkpoint complex in extraction-resistant nuclear complexes after DNA damage. 2000 , 275, 26343-8	88
1571	Human DNA damage checkpoint protein hRAD9 is a 3' to 5' exonuclease. 2000 , 275, 7451-4	67
1570	Rescue of defective T cell development and function in Atm-/- mice by a functional TCR alpha beta transgene. 2000 , 164, 345-9	26
1569	Purification and characterization of ATM from human placenta. A manganese-dependent, wortmannin-sensitive serine/threonine protein kinase. 2000 , 275, 7803-10	103
1568	Utilization of oriented peptide libraries to identify substrate motifs selected by ATM. 2000, 275, 22719-27	141
1567	High-resolution transcript map of the region spanning D12S1629 and D12S312 at chromosome 12q13: triple A syndrome-linked region. 2000 , 10, 1561-7	5
1566	Primary immunodeficiency diseases due to defects in lymphocytes. 2000 , 343, 1313-24	180
1565	Quantitative neurologic assessment of ataxia-telangiectasia. 2000 , 54, 1505-9	75

1564	The yeast TEL1 gene partially substitutes for human ATM in suppressing hyperrecombination, radiation-induced apoptosis and telomere shortening in A-T cells. 2000 , 11, 2605-16	24
1563	Recombinase-activating gene (RAG) 2-mediated V(D)J recombination is not essential for tumorigenesis in Atm-deficient mice. 2000 , 97, 6664-9	62
1562	The founder mutations in the BRCA1, BRCA2, and ATM genes in Moroccan Jewish women with breast cancer. 2000 , 4, 403-7	6
1561	Nijmegen breakage syndrome. The International Nijmegen Breakage Syndrome Study Group. 2000 , 82, 400-6	219
1560	The p53 response to DNA damage in vivo is independent of DNA-dependent protein kinase. 2000 , 20, 4075-83	44
1559	Mice with a targeted disruption of the Fanconi anemia homolog Fanca. 2000 , 9, 1805-11	133
1558	Abnormal development of Purkinje cells and lymphocytes in Atm mutant mice. 2000, 97, 3336-3341	146
1557	Rfc5, in cooperation with rad24, controls DNA damage checkpoints throughout the cell cycle in Saccharomyces cerevisiae. 2000 , 20, 5888-96	68
1556	An ATM homologue from Arabidopsis thaliana: complete genomic organisation and expression analysis. 2000 , 28, 1692-9	48
1555	Defective neurogenesis resulting from DNA ligase IV deficiency requires Atm. 2000 , 14, 2576-80	110
1554	Summary of heritable ocular disorders and selected systemic conditions with eye findings. 2000 , 21, 29-49	8
1553	Mantle cell lymphoma is characterized by inactivation of the ATM gene. 2000 , 97, 2773-8	208
1552	The ATM gene in the pathogenesis of mantle-cell lymphoma. 2000 , 11, S127-S130	15
1551	Radiation physics and genetic targeting: new directions for radiotherapy. The Douglas Lea Lecture 1999. 2000 , 45, R77-95	20
1550	Cancer risk and the ATM gene: a continuing debate. 2000 , 92, 795-802	149
1549	Membrane and transmembrane signaling in Herpesvirus saimiri-transformed human CD4(+) and CD8(+) T lymphocytes is ATM-independent. 2000 , 12, 927-35	16
1548	Phosphorylation of the replication protein A large subunit in the Saccharomyces cerevisiae checkpoint response. 2000 , 28, 3725-32	69
1547	Hyperoxia induces S-phase cell-cycle arrest and p21(Cip1/Waf1)-independent Cdk2 inhibition in human carcinoma T47D-H3 cells. 2000 , 256, 347-57	28

(2000-2000)

1546	Ataxia-telangiectasia: phenotype/genotype studies of ATM protein expression, mutations, and radiosensitivity. 2000 , 70, 122-33	95
1545	Neurodegeneration is associated to changes in serum insulin-like growth factors. 2000 , 7, 657-65	111
1544	Multiple signaling pathways involving ATM. 2000 , 65, 521-6	47
1543	Autosomal recessive cerebellar ataxia with oculomotor apraxia (ataxia-telangiectasia-like syndrome) is linked to chromosome 9q34. 2000 , 67, 1320-6	21
1542	Consistent patterns of allelic loss in natural killer cell lymphoma. 2000 , 157, 1803-9	104
1541	Atm-deficient mice Purkinje cells show age-dependent defects in calcium spike bursts and calcium currents. 2000 , 96, 575-83	48
1540	Normal V(D)J recombination in cells from patients with Nijmegen breakage syndrome. 2000 , 37, 915-29	53
1539	Phosphatidylinositol 3-kinase inhibitors, Wortmannin or LY294002, inhibited accumulation of p21 protein after gamma-irradiation by stabilization of the protein. 2000 , 1496, 207-20	25
1538	Wortmannin and LY294002 inhibit myo-inositol accumulation by cultured bovine aorta endothelial cells and murine 3T3-L1 adipocytes. 2000 , 1497, 328-40	2
1537	Wortmannin sensitizes human glioblastoma cell lines carrying mutant and wild type TP53 gene to radiation. 2000 , 161, 141-7	29
1536	Update on familial cancer syndromes and the skin. 2000 , 42, 939-969	56
1535	ATM-heterozygous germline mutations contribute to breast cancer-susceptibility. 2000 , 66, 494-500	186
1534	Evidence for a prostate cancer-susceptibility locus on chromosome 20. 2000 , 67, 82-91	192
1533	Localization of multiple melanoma tumor-suppressor genes on chromosome 11 by use of homozygosity mapping-of-deletions analysis. 2000 , 67, 417-31	42
1532	Haplotypes at ATM identify coding-sequence variation and indicate a region of extensive linkage disequilibrium. 2000 , 67, 1437-51	53
1531	[Can gene transfer be used to modify the response to radiotherapy?]. 2000 , 4, 175-80	
1530	The ATM gene and breast cancer: is it really a risk factor?. 2000 , 462, 167-78	51
1529	Reconstitution of an ATM-dependent checkpoint that inhibits chromosomal DNA replication following DNA damage. 2000 , 6, 649-59	153

1528	Apoptotic response and cell cycle transition in ataxia telangiectasia cells exposed to oxidative stress. 2000 , 66, 1893-903	20
1527	Protective roles for ATM in cellular response to oxidative stress. 2000 , 472, 133-6	70
1526	Meiotic telomere distribution and Sertoli cell nuclear architecture are altered in Atm- and Atm-p53-deficient mice. 2000 , 20, 7773-83	65
1525	Increased risk of breast cancer following irradiation for Hodgkin's disease is not a result of ATM germline mutations. 2000 , 76, 693-8	34
1524	Genomic structure of mouse and human genes for DNA-PKcs interacting protein (KIP). 2000, 10, 415-8	
1523	Increased repair and cell survival in cells treated with DIR1 antisense oligonucleotides: implications for induced radioresistance. 2000 , 76, 617-23	32
1522	Signal transduction and cellular radiation responses. 2000 , 153, 245-57	267
1521	ATAXIA-TELANGIECTASIA. 2000 , 20, 177-206	26
1520	Smoking and the molecular epidemiology of lung cancer. 2000 , 21, 87-93, viii	14
1519	Hereditary ataxias. 2000 , 75, 475-90	60
1518	T-cell immunodeficiencies. 2000 , 47, 1253-74	18
1517	Four radiation hypersensitivity cases and their implications for clinical radiotherapy. 2000 , 57, 143-54	59
1516	Regulation of chromosome replication. 2000 , 69, 829-80	330
1515	Chromosome instability syndromes. 2001 , 14, 631-44	63
1514	Radiation-Induced Bioradicals. 2001 , 249-276	1
1513	Expression and purification of active recombinant ATM protein from transiently transfected mammalian cells. 2001 , 22, 462-6	7
1512	Mechanisms of resistance to rapamycins. 2001 , 4, 378-91	106
1511	Evidence for alternate splicing within the mRNA transcript encoding the DNA damage response kinase ATR. 2001 , 272, 35-43	6

(2001-2001)

1510	2001 , 19, 284-9	1
1509	Epstein-Barr virus in patients with immunodeficiency disorders. 2001 , 55, 353-61	12
1508	Cancer after exposure to radiation in the course of treatment for benign and malignant disease. 2001 , 2, 212-20	32
1507	Ataxia telangiectasia: new neurons and ATM. 2001 , 7, 233-4	26
1506	Complementation of chromosomal aberrations in AT/NBS hybrids: inadequacy of RDS as an endpoint in complementation studies with immortal NBS cells. 2001 , 485, 177-85	7
1505	[Molecular mechanisms controlling the cell cycle: fundamental aspects and implications for oncology]. 2001 , 5, 109-29	63
1504	Germ line mutations associated with breast cancer susceptibility. 2001 , 37, 300-21	39
1503	A hypothesis about tumour development and the clinical features of hereditary breast cancers. 2001 , 37, 2023-9	7
1502	Mre11 protein complex prevents double-strand break accumulation during chromosomal DNA replication. 2001 , 8, 137-47	203
1501	DNA ligase IV mutations identified in patients exhibiting developmental delay and immunodeficiency. 2001 , 8, 1175-85	432
1500	Primary immunodeficiency diseases: an experimental model for molecular medicine. 2001 , 357, 1863-9	96
1499	Skin aging: postulated mechanisms and consequent changes in structure and function. 2001 , 17, 617-30, v	127
1498	Molecular diagnosis of early pancreatic ductal adenocarcinoma in high-risk patients. 2001 , 1, 486-509	50
1497	Pharmacology of phosphoinositides, regulators of multiple cellular functions. 2001 , 7, 475-507	47
1496	DNA damage processing defects and disease. 2001 , 2, 41-68	32
1495	Recurrent ATM mutations in T-PLL on diverse haplotypes: no support for their germline origin. 2001 , 97, 1517-8	14
1494	Chromatin-bound PCNA complex formation triggered by DNA damage occurs independent of the ATM gene product in human cells. 2001 , 29, 1341-51	66
1493	Cell cycle checkpoint signaling through the ATM and ATR kinases. 2001 , 15, 2177-96	1523

1492	Inhibition of the G2 DNA damage checkpoint and of protein kinases Chk1 and Chk2 by the marine sponge alkaloid debromohymenialdisine. 2001 , 276, 17914-9	98
1491	Ataxia telangiectasia mutated is essential during adult neurogenesis. 2001 , 15, 554-66	130
1490	Ensuring the stability of the genome: DNA damage checkpoints. 2001 , 1, 684-702	16
1489	Ataxia telangiectasia mutated-dependent apoptosis after genotoxic stress in the developing nervous system is determined by cellular differentiation status. 2001 , 21, 6687-93	111
1488	The role of genetic factors in the etiology of pancreatic adenocarcinoma: an update. 2001, 19, 65-75	25
1487	Primary immunodeficiency mutation databases. 2001 , 43, 103-88	58
1486	Human Cancer Genetics. 2001 , 1-28	О
1485	Locus-specific regulation of HLA-A and HLA-B expression is not determined by nucleotide variation in the X2 box promoter element. 2001 , 97, 1518-21	5
1484	Regulatory mechanisms of female germ cell apoptosis during embryonic development. 2001, 48, 289-301	6
1483	Mutation analysis of large genomic regions in tumor DNA using single-strand conformation polymorphism. Lessons from the ATM gene. 2002 , 68, 115-24	1
1482	Expression of TCL1 in hematologic disorders. 2001 , 69, 59-66	17
1481	DNA instability, telomere dynamics, and cell transformation. 2001 , 4, 135-151	
1480	Inducible photoprotection in skin: Evidence for a eukaryotic SOS response. 2001 , 4, 227-253	1
1479	The complex clinical and genetic classification of inherited ataxias. II. Autosomal recessive ataxias. 2001 , 22, 219-28	61
1478	TEL1 from Saccharomyces cerevisiae suppresses chromosome aberrations induced by ionizing radiation in ataxia-telangiectasia cells without affecting cell cycle checkpoints. 2001 , 40, 309-15	2
1477	Interaction of DNA polymerase beta with GRIP1 during meiosis. 2001 , 110, 402-10	9
1476	Effect of protein kinase C inhibitor (PKCI) on radiation sensitivity and c-fos transcription. 2001 , 49, 397-405	15
1475	Cellular responses to ionizing radiation damage. 2001 , 49, 1157-62	79

(2001-2001)

1474	telangiectasia. 2001 , 123, 472-80	14
1473	Immune diversity and genomic stability: opposite goals but similar paths. 2001, 65, 88-96	11
1472	Influence of interferon-gamma on radiation-induced apoptosis in normal and ataxia-telangiectasia fibroblast cell lines. 2001 , 21, 417-29	7
1471	Increased frequency of ATM mutations in breast carcinoma patients with early onset disease and positive family history. 2001 , 92, 479-87	88
1470	Cancer risk in heterozygotes for ataxia-telangiectasia. 2001 , 93, 288-93	109
1469	Expression of ATM in ataxia telangiectasia fibroblasts rescues defects in DNA double-strand break repair in nuclear extracts. 2001 , 37, 128-40	13
1468	Correction of radioresistant DNA synthesis in ataxia telangiectasia fibroblasts by prostaglandin E2 treatment. 2001 , 38, 191-9	2
1467	Screening breast cancer patients for ATM mutations and polymorphisms by using denaturing high-performance liquid chromatography. 2001 , 38, 200-8	22
1466	Genomic instability in head and neck cancer patients. 2001 , 23, 683-91	21
1465	Exon skipping in the ATM gene in normal individuals: the effect of blood sample storage on RT-PCR analysis. 2001 , 17, 75-6	10
1464	HIV-1 Vpr induces cell cycle G2 arrest in fission yeast (Schizosaccharomyces pombe) through a pathway involving regulatory and catalytic subunits of PP2A and acting on both Wee1 and Cdc25. 2001 , 287, 359-70	77
1463	A paradox: urgent BRCA genetic testing. 2001 , 1, 25-9	9
1462	Resistance to rapamycin: a novel anticancer drug. 2001 , 20, 69-78	39
1461	Hyperactivation of the yeast DNA damage checkpoint by TEL1 and DDC2 overexpression. 2001 , 20, 6485-98	25
1460	Effect of supercirculation in a flow around a thick airfoil with vortex cells. 2001, 46, 199-201	5
1459	Elevated DNA double strand breaks and apoptosis in the CNS of scid mutant mice. 2001, 8, 245-55	35
1458	ATM, a central controller of cellular responses to DNA damage. 2001 , 8, 1052-65	187
1457	A high-resolution integrated map spanning the SDHD gene at 11q23: a 1.1-Mb BAC contig, a partial transcript map and 15 new repeat polymorphisms in a tumour-suppressor region. 2001 , 9, 121-9	26

1456	Acute myeloid leukemia in a patient with ataxia-telangiectasia: a case report and review of the literature. 2001 , 15, 1668-70	18
1455	Characterization of ataxia telangiectasia fibroblasts with extended life-span through telomerase expression. 2001 , 20, 278-88	81
1454	Telomeric protein Pin2/TRF1 induces mitotic entry and apoptosis in cells with short telomeres and is down-regulated in human breast tumors. 2001 , 20, 1497-508	49
1453	Transcriptional downregulation of ATM by EGF is defective in ataxia-telangiectasia cells expressing mutant protein. 2001 , 20, 4281-90	26
1452	Abnormal regulation of DDB2 gene expression in xeroderma pigmentosum group E strains. 2001 , 20, 7041-50	12
1451	Candidate tumour suppressor genes at 11q23-q24 in breast cancer: evidence of alterations in PIG8, a gene involved in p53-induced apoptosis. 2001 , 20, 7753-60	51
1450	X-irradiation induces up-regulation of ATM gene expression in wild-type lymphoblastoid cell lines, but not in their heterozygous or homozygous ataxia-telangiectasia counterparts. 2001 , 92, 710-7	14
1449	High frequency of deletions at the hypoxanthine-guanine phosphoribosyltransferase locus in an ataxia-telangiectasia lymphoblastoid cell line irradiated with gamma-rays. 2001 , 92, 1190-8	6
1448	Telomeric associations and chromosome instability in ataxia telangiectasia T cells characterized by TCL1 expression. 2001 , 125, 46-51	7
1447	Checking out the G(2)/M transition. 2001 , 1519, 1-12	26 0
1447 1446	Radiation induced apontosis in ataxia telangiectasia homozygote, beterozygote and normal cells	2609
1446	Radiation induced apoptosis in ataxia telangiectasia homozygote, heterozygote and normal cells.	
1446	Radiation induced apoptosis in ataxia telangiectasia homozygote, heterozygote and normal cells. 2001, 476, 13-20 ATM as a target for novel radiosensitizers. 2001, 11, 316-27	9
1446 1445	Radiation induced apoptosis in ataxia telangiectasia homozygote, heterozygote and normal cells. 2001, 476, 13-20 ATM as a target for novel radiosensitizers. 2001, 11, 316-27	9
1446 1445 1444	Radiation induced apoptosis in ataxia telangiectasia homozygote, heterozygote and normal cells. 2001, 476, 13-20 ATM as a target for novel radiosensitizers. 2001, 11, 316-27 Paediatric and adult movement disorders (update). 2001, 5, 265-8 The Ataxia telangiectasia gene product is required for oxidative stress-induced G1 and G2	9
1446 1445 1444 1443	Radiation induced apoptosis in ataxia telangiectasia homozygote, heterozygote and normal cells. 2001, 476, 13-20 ATM as a target for novel radiosensitizers. 2001, 11, 316-27 Paediatric and adult movement disorders (update). 2001, 5, 265-8 The Ataxia telangiectasia gene product is required for oxidative stress-induced G1 and G2 checkpoint function in human fibroblasts. 2001, 276, 21951-9 Selection of mutant CHO cells with constitutive activation of the HIF system and inactivation of the von Hippel-Lindau tumor suppressor. 2001, 276, 44323-30 A deep intronic mutation in CDKN2A is associated with disease in a subset of melanoma pedigrees.	9 44 97
1446 1445 1444 1443	Radiation induced apoptosis in ataxia telangiectasia homozygote, heterozygote and normal cells. 2001, 476, 13-20 ATM as a target for novel radiosensitizers. 2001, 11, 316-27 Paediatric and adult movement disorders (update). 2001, 5, 265-8 The Ataxia telangiectasia gene product is required for oxidative stress-induced G1 and G2 checkpoint function in human fibroblasts. 2001, 276, 21951-9 Selection of mutant CHO cells with constitutive activation of the HIF system and inactivation of the von Hippel-Lindau tumor suppressor. 2001, 276, 44323-30 A deep intronic mutation in CDKN2A is associated with disease in a subset of melanoma pedigrees. 2001, 10, 2679-86 ATR-mediated checkpoint pathways regulate phosphorylation and activation of human Chk1, 2001.	9 44 97 25

(2001-2001)

1438	Threonine-11, phosphorylated by Rad3 and atm in vitro, is required for activation of fission yeast checkpoint kinase Cds1. 2001 , 21, 3398-404	47
1437	Pie1, a protein interacting with Mec1, controls cell growth and checkpoint responses in Saccharomyces cerevisiae. 2001 , 21, 755-64	109
1436	Replication protein A is sequentially phosphorylated during meiosis. 2001 , 29, 4808-17	20
1435	Early embryonic lethality in PARP-1 Atm double-mutant mice suggests a functional synergy in cell proliferation during development. 2001 , 21, 1828-32	82
1434	Cancer in patients with ataxia-telangiectasia and in their relatives in the nordic countries. 2001, 93, 121-7	197
1433	Biological factors influencing the RBE of neutrons: implications for their past, present and future use in radiotherapy. 2001 , 156, 125-35	33
1432	Telomerase and the cell cycle. 2001 , 61-88	3
1431	11q deletions in hematological malignancies. 2001 , 40, 259-66	45
1430	ATM: genome stability, neuronal development, and cancer cross paths. 2001, 83, 209-54	219
1429	Reconstitution and molecular analysis of the hRad9-hHus1-hRad1 (9-1-1) DNA damage responsive checkpoint complex. 2001 , 276, 25903-9	115
1428	Serine-345 is required for Rad3-dependent phosphorylation and function of checkpoint kinase Chk1 in fission yeast. 2001 , 98, 11289-94	103
1427	Negative cell cycle regulation and DNA damage-inducible phosphorylation of the BRCT protein 53BP1. 2001 , 276, 2708-18	75
1426	ATM-dependent expression of the insulin-like growth factor-I receptor in a pathway regulating radiation response. 2001 , 98, 1676-1681	127
1425	Role of Nijmegen breakage syndrome protein in specific T-lymphocyte activation pathways. 2001 , 8, 757-61	5
1424	The plant isoflavenoid genistein activates p53 and Chk2 in an ATM-dependent manner. 2001, 276, 4828-33	65
1423	ATM is required for IkappaB kinase (IKKk) activation in response to DNA double strand breaks. 2001 , 276, 8898-903	149
1422	ATMa key determinant of multiple cellular responses to irradiation. 2001, 40, 686-8	65
1421	The inherited basis of human radiosensitivity. 2001 , 40, 702-11	148

1420	Ataxia telangiectasia gene mutations in leukaemia and lymphoma. 2001 , 54, 512-6	106
1419	Epidermal growth factor sensitizes cells to ionizing radiation by down-regulating protein mutated in ataxia-telangiectasia. 2001 , 276, 8884-91	45
1418	Mre11 complex and DNA replication: linkage to E2F and sites of DNA synthesis. 2001 , 21, 6006-16	178
1417	Characterization of mec1 kinase-deficient mutants and of new hypomorphic mec1 alleles impairing subsets of the DNA damage response pathway. 2001 , 21, 3913-25	96
1416	Telomeric protein Pin2/TRF1 as an important ATM target in response to double strand DNA breaks. 2001 , 276, 29282-91	77
1415	Heterozygosity for a mutation in Brca1 or Atm does not increase susceptibility to ENU-induced mammary tumors in Apc(Min)/+ mice. 2001 , 22, 343-6	9
1414	UV-induced hyperphosphorylation of replication protein a depends on DNA replication and expression of ATM protein. 2001 , 12, 1199-213	82
1413	DNA damage-dependent and -independent phosphorylation of the hRad9 checkpoint protein. 2001 , 276, 41898-905	35
1412	Targeting protein kinases for tumor therapy. 2001 , 24, 346-55	12
1411	Involvement of DNA-dependent protein kinase in regulation of stress-induced JNK activation. 2001 , 20, 637-45	15
1410	NOVEL TARGETS IN THE CELL CYCLE AND CELL CYCLE CHECKPOINTS. 2002 , 13-cp2	5
1409	Telomere Dynamics, Aging, and Cancer: Study of Human Syndromes Characteristic of Premature Aging. 2002 , 5, 271-281	2
1408	Elevated oxidative stress in patients with ataxia telangiectasia. 2002 , 4, 465-9	139
1407	Functional link between BLM defective in Bloom's syndrome and the ataxia-telangiectasia-mutated protein, ATM. 2002 , 277, 30515-23	95
1406	CTLA-4/CD28 gene region is associated with genetic susceptibility to coeliac disease in UK families. 2002 , 39, 51-4	32
1405	Paternal contribution to the risk for pre-eclampsia. 2002 , 39, 44-5	25
1404	Association of polymorphisms and allelic combinations in the tumour necrosis factor-alpha-complement MHC region with coronary artery disease. 2002 , 39, 46-51	33
1403	Accumulation of DNA damage and reduced levels of nicotine adenine dinucleotide in the brains of Atm-deficient mice. 2002 , 277, 602-8	69

(2002-2002)

14	402	complements telomere shortening, radiosensitivity, and the G(2)/M checkpoint defect of ataxia-telangiectasia cells. 2002 , 277, 7420-9	51	
14	401	ATR is not required for p53 activation but synergizes with p53 in the replication checkpoint. 2002 , 277, 4428-34	84	
14	400	DNA damage-inducible phosphorylation of p53 at Ser20 is required for p53 stabilization. 2002 , 6, 263-269		
13	399	Deficiency in the repair of UV-induced DNA damage in human skin fibroblasts compromised for the ATM gene. 2002 , 23, 1617-24	24	
13	398	Missense mutations but not allelic variants alter the function of ATM by dominant interference in patients with breast cancer. 2002 , 99, 925-30	275	
13	397	Mechanisms of aging. 2002 , 138, 1429-32	18	
13	396	Signal transduction through the B cell antigen receptor is normal in ataxia-telangiectasia B lymphocytes. 2002 , 277, 4123-7	2	
13	395	Branchio-oculo-facial syndrome and branchio-otic/branchio-oto-renal syndromes are distinct entities. 2002 , 39, 71-3	16	
13	394	Constitutional alterations of the ATM gene in early onset sporadic breast cancer. 2002, 39, 751-3	21	
13	393	Linking DNA Damage to Cell Cycle Checkpoints. 2002 , 1, 161-167	45	
13	392	DNA-Damage-Independent Checkpoints: Yeast and Higher Eukaryotes. 2002 , 1, 13-29	11	
13	391	Mantle cell lymphoma: a biological and therapeutic paradigm. 2002 , 43, 773-81	18	
13	390	Brustkrebs und Strahlensensibilitt eine gemeinsame erbliche Veranlagung? Eine Bersicht. 2002 , 62, 1162-1169		
13	389	Genetic susceptibility to chronic lymphocytic leukemia. 2002 , 16, 1008-14	33	
13	388	Pregnancy after preimplantation genetic diagnosis for Ataxia Telangiectasia. 2002, 8, 785-8	21	
13	387	In vitro analysis of aminoglycoside therapy for the Arg120stop nonsense mutation in RP2 patients. 2002 , 39, 62-7	28	
13	386	DNA-PK and ATM are required for radiation-enhanced integration. 2002 , 157, 562-7	5	
13	385	Risk assessment and management of high risk familial breast cancer. 2002 , 39, 865-71	43	

1384	A common ancestral haplotype in carrier chromosomes from different ethnic backgrounds in vacuolating megalencephalic leucoencephalopathy with subcortical cysts. 2002 , 39, 54-7	3
1383	Another risk factor for MI?. 2002 , 39, 242-242	78
1382	Complexities of cancer research: mouse genetic models. 2002 , 43, 80-8	12
1381	Infantile spinal muscular atrophy variant with congenital fractures in a female neonate: evidence for autosomal recessive inheritance. 2002 , 39, 74-7	15
1380	A late onset variant of ataxia-telangiectasia with a compound heterozygous genotype, A8030G/7481insA. 2002 , 39, 57-61	38
1379	ATM mutations in sporadic lymphoid tumours. 2002 , 43, 1563-71	66
1378	Association between markers in chromosomal region 17q23 and young onset hypertension: a TDT study. 2002 , 39, 42-4	4
1377	Okihiro syndrome and acro-renal-ocular syndrome: clinical overlap, expansion of the phenotype, and absence of PAX2 mutations in two new families. 2002 , 39, 68-71	14
1376	Genetics of childhood cancer. 2002 , 75-87	7
1375	ATM gene regulates oxygen-glucose deprivation-induced nuclear factor-kappaB DNA-binding activity and downstream apoptotic cascade in mouse cerebrovascular endothelial cells. 2002 , 33, 2471-7	36
1374	ATM mutations are rare in familial chronic lymphocytic leukemia. 2002 , 100, 603-9	32
1373	ATM gene inactivation in mantle cell lymphoma mainly occurs by truncating mutations and missense mutations involving the phosphatidylinositol-3 kinase domain and is associated with increasing numbers of chromosomal imbalances. 2002 , 99, 238-44	132
1372	ATM mutations are associated with inactivation of the ARF-TP53 tumor suppressor pathway in diffuse large B-cell lymphoma. 2002 , 100, 1430-7	76
1371	Ocular manifestations of ataxia-telangiectasia. 2002 , 134, 891-6	64
1370	Identification and characterization of a paralog of human cell cycle checkpoint gene HUS1. 2002 , 79, 487-92	26
1369	Primary cellular immunodeficiencies. 2002 , 109, 747-57	116
1368	Toward maintaining the genome: DNA damage and replication checkpoints. 2002, 36, 617-56	668
1367	Genes other than BRCA1 and BRCA2 involved in breast cancer susceptibility. 2002 , 39, 225-42	147

(2002-2002)

1366	RAG-mediated V(D)J recombination is not essential for tumorigenesis in Atm-deficient mice. 2002 , 22, 3174-7	37
1365	Deductive genomics: a functional approach to identify innovative drug targets in the post-genome era. 2002 , 2, 263-71	17
1364	The inhibition of poly(ADP-ribose) polymerase enhances growth rates of ataxia telangiectasia cells. 2002 , 402, 227-34	14
1363	Insulin-like growth factor I receptor is expressed at normal levels in Nijmegen breakage syndrome cells. 2002 , 296, 62-6	5
1362	Involvement of the telomeric protein Pin2/TRF1 in the regulation of the mitotic spindle. 2002, 514, 193-8	29
1361	A role for the octameric ring protein, Translin, in mitotic cell division. 2002 , 525, 105-10	33
1360	Gene expression phenotype in heterozygous carriers of ataxia telangiectasia. 2002, 71, 791-800	44
1359	Immune consequences of mutations in the human common gamma-chain gene. 2002 , 76, 163-71	16
1358	Evidence for a direct association of hMRE11 with the human mismatch repair protein hMLH1. 2002 , 1, 719-29	26
1357	Genetic and environmental factors in cancer and neurodegenerative diseases. 2002 , 512, 135-53	115
1356	Genetic ataxia. 2002 , 20, 727-57, vii	9
1355	Genetic syndromes associated with immunodeficiency. 2002 , 22, 261-280	1
1354	Genetic predisposition and screening in pediatric cancer. 2002 , 49, 1393-413	16
1353	Phosphorylation activates Chk1 and is required for checkpoint-mediated cell cycle arrest. 2002 , 115, 4555-64	128
1352	Elevated frequency of ATM gene missense mutations in breast cancer relative to ethnically matched controls. 2002 , 134, 25-32	46
1351	DNA damage response pathway in radioadaptive response. 2002 , 504, 101-18	125
1350	Immunological disorders and DNA repair. 2002 , 509, 109-26	15
1349	DNA repair in neural cells: basic science and clinical implications. 2002 , 509, 93-108	80

Unfinished business: an essay on finally leaving the bench. **2002**, 509, 3-16

1347	Alternative end joining during switch recombination in patients with ataxia-telangiectasia. 2002 , 32, 1300-8	95
1346	Vasculogenesis, angiogenesis, hemangiomas, and vascular malformations. 2002 , 108, 265-74	62
1345	Chromosome breakage syndromes and cancer. 2002 , 115, 125-9	59
1344	TCL-1, MTCP-1 and TML-1 gene expression profile in non-leukemic clonal proliferations associated with ataxia-telangiectasia. 2002 , 97, 726-31	14
1343	Increased expression of CHK2 in human gastric carcinomas harboring p53 mutations. 2002 , 99, 58-62	22
1342	Variation in breast cancer risk of heterozygotes for ataxia-telangiectasia according to environmental factors. 2002 , 99, 619-23	11
1341	Downregulation of Hus1 by antisense oligonucleotides enhances the sensitivity of human lung carcinoma cells to cisplatin. 2002 , 94, 1808-14	17
1340	Analysis of 11q21-24 loss of heterozygosity candidate target genes in breast cancer: indications of TSLC1 promoter hypermethylation. 2002 , 34, 384-9	63
1339	Mutations and molecular variants of the NBS1 gene in non-Hodgkin lymphoma. 2002 , 35, 282-6	38
1338	Afweerstoornissen als onderdeel van een syndroom. 2002 , 70, 17-23	
1337	Diagnosis of immunodeficiency: clinical clues and diagnostic tests. 2002 , 2, 349-55	7
1336	Primary immunodeficiency diseases: dissectors of the immune system. 2002 , 185, 206-19	48
1335	Molecular alterations in sporadic breast cancer. 2002 , 44, 121-41	29
1334	Genetic background as a possible determinant of clinical and biological features of Epstein-Barr virus infectiona hypothetical view. 2002 , 44, 217-25	2
1333	In vitro and in vivo effectiveness of arsenic trioxide against murine T-cell prolymphocytic leukaemia. 2002 , 117, 343-50	11
1332	Deficiencies in CD4+ and CD8+ T cell subsets in ataxia telangiectasia. 2002 , 129, 125-32	47
1331	ATM induction insufficiency in a radiosensitive breast-cancer patient. 2002 , 46, 329-35	5

1330 Upregulation of FasL and apoptosis in thymic lymphomas in Atm knock-in mice. 2002 , 181-182, 483-9	4
Aberrant methylation of the ATM promoter correlates with increased radiosensitivity in a human colorectal tumor cell line. 2002 , 21, 3864-71	84
Nbs1 promotes ATM dependent phosphorylation events including those required for G1/S arrest. 2002 , 21, 4191-9	105
Mice heterozygous for mutation in Atm, the gene involved in ataxia-telangiectasia, have heightened susceptibility to cancer. 2002 , 32, 185-90	278
ATM mutations in female breast cancer patients predict for an increase in radiation-induced late effects. 2002 , 52, 606-13	123
1325 Ataxia-telangiectasia: the pattern of cerebellar atrophy on MRI. 2003 , 45, 315-9	74
The Arabidopsis 14-3-3 protein, GF14omega, binds to the Schizosaccharomyces pombe Cdc25 phosphatase and rescues checkpoint defects in the rad24- mutant. 2003 , 218, 50-7	26
1323 Genetics of pediatric movement disorders. 2003 , 10, 88-95	1
1322 Ataxia-telangiectasia: diagnosis and treatment. 2003 , 10, 173-82	131
1321 Paediatric and adult ataxias (update). 2003 , 7, 231-3	1
Paediatric and adult ataxias (update). 2003, 7, 231-3 1320 Hereditary ataxias and paediatric neurology: new movers and shakers enter the field. 2003, 7, 217-9	2
1320 Hereditary ataxias and paediatric neurology: new movers and shakers enter the field. 2003 , 7, 217-9	2
Hereditary ataxias and paediatric neurology: new movers and shakers enter the field. 2003 , 7, 217-9 The S-phase checkpoint and its regulation in Saccharomyces cerevisiae. 2003 , 532, 41-58	2 57
Hereditary ataxias and paediatric neurology: new movers and shakers enter the field. 2003 , 7, 217-9 The S-phase checkpoint and its regulation in Saccharomyces cerevisiae. 2003 , 532, 41-58 Caffeine and human DNA metabolism: the magic and the mystery. 2003 , 532, 85-102	2 57 75
Hereditary ataxias and paediatric neurology: new movers and shakers enter the field. 2003, 7, 217-9 The S-phase checkpoint and its regulation in Saccharomyces cerevisiae. 2003, 532, 41-58 Caffeine and human DNA metabolism: the magic and the mystery. 2003, 532, 85-102 T-cell prolymphocytic leukemia with der(11)t(1;11)(q21;q23) and ATM deficiency. 2003, 146, 22-6	2 57 75 21
Hereditary ataxias and paediatric neurology: new movers and shakers enter the field. 2003, 7, 217-9 The S-phase checkpoint and its regulation in Saccharomyces cerevisiae. 2003, 532, 41-58 Caffeine and human DNA metabolism: the magic and the mystery. 2003, 532, 85-102 T-cell prolymphocytic leukemia with der(11)t(1;11)(q21;q23) and ATM deficiency. 2003, 146, 22-6 ATM missense mutations are frequent in patients with breast cancer. 2003, 145, 115-20	2 57 75 21 53

1312	Comprehensive scanning of the ATM gene with DOVAM-S. 2003 , 21, 123-31	41
1311	IVS10-6T>G, an ancient ATM germline mutation linked with breast cancer. 2003 , 21, 521-8	22
1310	Designing and implementing quality control for multi-center screening of mutations in the ATM gene among women with breast cancer. 2003 , 21, 542-50	53
1309	Phenotypic cellular characterization of an ataxia telangiectasia patient carrying a causal homozygous missense mutation. 2003 , 21, 169-70	18
1308	Six novel ATM mutations in Italian patients with classical ataxia-telangiectasia. 2003, 21, 450	4
1307	Establishment of dependence relationships between genome replication and mitosis. 2003 , 88, 95-103	5
1306	Role of Pin2/TRF1 in telomere maintenance and cell cycle control. 2003 , 89, 19-37	26
1305	State of the art review: molecular diagnosis of inherited movement disorders. Movement Disorders Society task force on molecular diagnosis. 2003 , 18, 3-18	30
1304	657del5 mutation in the gene for Nijmegen breakage syndrome (NBS1) in a cohort of Russian children with lymphoid tissue malignancies and controls. 2003 , 120A, 174-9	28
1303	ATM mutations and protein expression are not associated with familial B-CLL cases. 2003 , 27, 973-5	8
1302	Mechanisms of human DNA repair: an update. 2003 , 193, 3-34	437
1301	Cytogenetics and the surgeon: an invaluable tool in diagnosis, prognosis and counselling of patients with solid tumours. 1998 , 85, 725-34	1
1300	DNA damage activates ATM through intermolecular autophosphorylation and dimer dissociation. 2003 , 421, 499-506	2665
1299	MDC1 is required for the intra-S-phase DNA damage checkpoint. 2003 , 421, 952-6	438
1298	HSV-1 amplicon vector-mediated expression of ATM cDNA and correction of the ataxia-telangiectasia cellular phenotype. 2003 , 10, 1321-7	13
1297	Multiple molecular mechanisms contribute to radiation sensitivity in mantle cell lymphoma. 2003 , 22, 7905-12	40
1296	Activity of a novel G-quadruplex-interactive telomerase inhibitor, telomestatin (SOT-095), against human leukemia cells: involvement of ATM-dependent DNA damage response pathways. 2003 , 22, 5338-47	180
1295	The mismatch repair system is required for S-phase checkpoint activation. 2003 , 33, 80-4	170

(2003-2003)

1294	Discovering genotypes underlying human phenotypes: past successes for mendelian disease, future approaches for complex disease. 2003 , 33 Suppl, 228-37	1182
1293	ATM and related protein kinases: safeguarding genome integrity. 2003 , 3, 155-68	2105
1292	Association of Ataxia Telangiectasia Mutated (ATM) gene mutation/deletion with Rhabdomyosarcoma. 2003 , 2, 2	4
1291	Analysis of CUL-5 expression in breast epithelial cells, breast cancer cell lines, normal tissues and tumor tissues. 2003 , 2, 40	43
1290	Generation of bovine transgenics using somatic cell nuclear transfer. 2003 , 1, 81	18
1289	A subset of ATM- and ATR-dependent phosphorylation events requires the BRCA1 protein. 2003 , 22, 2860-71	186
1288	AtATM is essential for meiosis and the somatic response to DNA damage in plants. 2003, 15, 119-32	217
1287	Variations in ATM protein expression during normal lymphoid differentiation and among B-cell-derived neoplasias. 2003 , 163, 423-32	31
1286	Drosophila checkpoint kinase 2 couples centrosome function and spindle assembly to genomic integrity. 2003 , 113, 87-99	176
1285	Clinical radiosensitivity in breast cancer patients carrying pathogenic ATM gene mutations: no observation of increased radiation-induced acute or late effects. 2003 , 69, 155-60	52
1284	Patterned Purkinje cell death in the cerebellum. 2003, 70, 473-507	176
1283	Late degeneration of nigro-striatal neurons in ATM-/- mice. 2003, 121, 83-98	53
1282	Activation of p53 by oxidative stress involves platelet-derived growth factor-beta receptor-mediated ataxia telangiectasia mutated (ATM) kinase activation. 2003 , 278, 39527-33	74
1281	Mutations in CHEK2 associated with prostate cancer risk. 2003 , 72, 270-80	226
1280	Update on primary immunodeficiency: defects of lymphocytes. 2003 , 109, 109-18	32
1279	Induction of genome instability by DNA damage in Saccharomyces cerevisiae. 2003 , 2, 243-58	65
1278	Molecular pathogenesis of pancreatic cancer. 2003 , 4, 237-56	114
1277	A proteomic analysis of arginine-methylated protein complexes. 2003 , 2, 1319-30	287

1276	ATM-dependent and -independent gene expression changes in response to oxidative stress, gamma irradiation, and UV irradiation. 2003 , 160, 273-90	51
1275	Effect of Atm disruption on spontaneously arising and radiation-induced deletion mutations in mouse liver. 2003 , 160, 549-58	18
1274	Differing effects of breast cancer 1, early onset (BRCA1) and ataxia-telangiectasia mutated (ATM) mutations on cellular responses to ionizing radiation. 2003 , 79, 817-29	16
1273	Rad53 phosphorylation site clusters are important for Rad53 regulation and signaling. 2003 , 23, 6300-14	88
1272	Loss of atm sensitises p53-deficient cells to topoisomerase poisons and antimetabolites. 2003 , 14, 938-45	36
1271	Deficient regulation of DNA double-strand break repair in Fanconi anemia fibroblasts. 2003 , 278, 29487-95	29
1270	Role of oxidative stress in telomere shortening in cultured fibroblasts from normal individuals and patients with ataxia-telangiectasia. 2003 , 12, 227-32	104
1269	The fission yeast Rad32 (Mre11)-Rad50-Nbs1 complex is required for the S-phase DNA damage checkpoint. 2003 , 23, 6564-73	64
1268	Caffeine inhibits checkpoint responses without inhibiting the ataxia-telangiectasia-mutated (ATM) and ATM- and Rad3-related (ATR) protein kinases. 2003 , 278, 37139-45	116
1267	Trans mobilization of genomic DNA as a mechanism for retrotransposon-mediated exon shuffling. 2003 , 12, 1321-8	45
1266	DNA damage induced by polyglutamine-expanded proteins. 2003 , 12, 2301-9	72
1265	Diabetes mellitus in the era of proteomics. 2003 , 2, 399-404	23
1264	Molecular anatomy of the DNA damage and replication checkpoints. 2003, 159, 139-48	38
1263	Rapamycins: mechanism of action and cellular resistance. 2003 , 2, 222-32	261
1262	A role for the phosphorylation of hRad9 in checkpoint signaling. 2003, 278, 26620-8	75
1261	ATM is not required in somatic hypermutation of VH, but is involved in the introduction of mutations in the switch mu region. 2003 , 170, 3707-16	79
1260	Identification of a novel protein kinase mediating Akt survival signaling to the ATM protein. 2003 , 278, 48-53	104
1259	Deletion of histidine triad nucleotide-binding protein 1/PKC-interacting protein in mice enhances cell growth and carcinogenesis. 2003 , 100, 7824-9	106

(2004-2003)

1258	the maintenance of genome stability. 2003 , 100, 6640-5	119
1257	ATP activates ataxia-telangiectasia mutated (ATM) in vitro. Importance of autophosphorylation. 2003 , 278, 9309-17	68
1256	Radiation-induced chromosome aberrations in ataxia telangiectasia cells: high frequency of deletions and misrejoining detected by fluorescence in situ hybridization. 2003 , 159, 597-603	15
1255	Genotoxic stress response gene expression in the mid-organogenesis rat conceptus. 2003, 74, 157-64	11
1254	Association of ataxia telangiectasia mutated (ATM) gene mutation/deletion with rhabdomyosarcoma. 2003 , 2, 87-91	13
1253	Targeting DNA Checkpoint Kinases in Cancer Therapy. 2003 , 2, 15-21	31
1252	Missense mutation and defective function of ATM in a childhood acute leukemia patient with MLL gene rearrangement. 2003 , 101, 3622-7	35
1251	The interface between the cell cycle and programmed cell death in higher plants: from division unto death. 2003 , 40, 143-181	3
1250	Oxidative stress is responsible for deficient survival and dendritogenesis in purkinje neurons from ataxia-telangiectasia mutated mutant mice. 2003 , 23, 11453-60	108
1249	DNA-PK: the major target for wortmannin-mediated radiosensitization by the inhibition of DSB repair via NHEJ pathway. 2003 , 44, 151-9	32
1248	Idiopathic and radiation-induced ocular telangiectasia: the involvement of the ATM gene. 2003, 44, 3257-62	22
1247	Genetics of neurocutaneous disorders. 2004 , 6-23	
1246	Update on diabetes mellitus. 2004 , 20, 161-5	14
1245	Basic fibroblast growth factor inhibits radiation-induced apoptosis of HUVECs. I. The PI3K/AKT pathway and induction of phosphorylation of BAD. 2004 , 161, 692-702	37
1244	Ataxia-telangiectasia mutated gene controls insulin-like growth factor I receptor gene expression in a deoxyribonucleic acid damage response pathway via mechanisms involving zinc-finger transcription factors Sp1 and WT1. 2004 , 145, 5679-87	46
1243	Analyzing the regulation and function of ATM. 2004 , 281, 163-78	2
1242	A Tel1/MRX-dependent checkpoint inhibits the metaphase-to-anaphase transition after UV irradiation in the absence of Mec1. 2004 , 24, 10126-44	37
1241	MRE11 mutations and impaired ATM-dependent responses in an Italian family with ataxia-telangiectasia-like disorder. 2004 , 13, 2155-63	92

1240	Cancer chemoprevention by the antioxidant tempol in Atm-deficient mice. 2004 , 13, 1793-802	117
1239	Direct regulation of CREB transcriptional activity by ATM in response to genotoxic stress. 2004 , 101, 5898-903	77
1238	ATM is required for efficient recombination between immunoglobulin switch regions. 2004 , 200, 1103-10	173
1237	Genetic alterations in hereditary breast cancer. 2004 , 15 Suppl 1, I7-I13	39
1236	The functions of budding yeast Sae2 in the DNA damage response require Mec1- and Tel1-dependent phosphorylation. 2004 , 24, 4151-65	101
1235	Ataxia-telangiectasia-mutated (ATM) gene in head and neck squamous cell carcinoma: promoter hypermethylation with clinical correlation in 100 cases. 2004 , 13, 150-6	88
1234	Complex chromatid-isochromatid exchanges following irradiation with heavy ions?. 2004 , 104, 206-10	12
1233	A new locus for a childhood onset, slowly progressive autosomal recessive spinocerebellar ataxia maps to chromosome 11p15. 2004 , 41, 858-66	26
1232	p53 localization at centrosomes during mitosis and postmitotic checkpoint are ATM-dependent and require serine 15 phosphorylation. 2004 , 15, 3751-7	83
1231	DNA stimulates Mec1-mediated phosphorylation of replication protein A. 2004 , 279, 26762-7	24
1230	A double-strand break repair defect in ATM-deficient cells contributes to radiosensitivity. 2004 , 64, 500-8	293
1229	New pathways to pancreatic cancer. 2004 , 3, 170-2	1
1228	Mitotic checkpoint function in the formation of gross chromosomal rearrangements in Saccharomyces cerevisiae. 2004 , 101, 15980-5	45
1227	Toxicity from radiation therapy associated with abnormal transcriptional responses to DNA damage. 2004 , 101, 6635-40	98
1226	The meiosis-specific protein kinase Ime2 directs phosphorylation of replication protein A. 2004 , 279, 6163-70	26
1225	Increased genome instability and telomere length in the elg1-deficient Saccharomyces cerevisiae mutant are regulated by S-phase checkpoints. 2004 , 3, 1557-66	41
	middant are regulated by 5-phase thetapoints. 2004, 5, 1557-00	
1224	Independent roles for nibrin and Mre11-Rad50 in the activation and function of Atm. 2004 , 279, 38813-9	60

1222	Molecular variants of the ATM gene in Hodgkin's disease in children. 2004 , 90, 522-5	15
1221	DNA Repair in Cancer Therapy. 2004 ,	1
1220	Frequency and phenotypic spectrum of ataxia with oculomotor apraxia 2: a clinical and genetic study in 18 patients. 2004 , 127, 759-67	152
1219	Identification and characterization of polymorphic variations of the ataxia telangiectasia mutated (ATM) gene in childhood Hodgkin disease. 2004 , 103, 283-90	25
1218	RB signaling prevents replication-dependent DNA double-strand breaks following genotoxic insult. 2004 , 32, 25-34	76
1217	Diagnosis in dysmorphology: clues from the skin. 2004 , 151, 953-60	8
1216	The impact of an early truncating founder ATM mutation on immunoglobulins, specific antibodies and lymphocyte populations in ataxia-telangiectasia patients and their parents. 2004 , 137, 179-86	28
1215	A census of human cancer genes. 2004 , 4, 177-83	2424
1214	Genome-wide scanning for linkage in Finnish breast cancer families. 2004 , 12, 98-104	27
1213	Mutation of the mouse Rad17 gene leads to embryonic lethality and reveals a role in DNA damage-dependent recombination. 2004 , 23, 3548-58	50
1212	ATM and ataxia telangiectasia. 2004 , 5, 772-6	266
1211	Functional expression of ATM gene carried by HSV amplicon vector in vitro and in vivo. 2004 , 11, 25-33	11
12 10	Disruption of the BLM gene in ATM-null DT40 cells does not exacerbate either phenotype. 2004 , 23, 1498-506	5
1209	Regulation of oxidative stress by ATM is required for self-renewal of haematopoietic stem cells. 2004 , 431, 997-1002	961
1208	Relative contribution of DNA repair, cell cycle checkpoints, and cell death to survival after DNA damage in Drosophila larvae. 2004 , 14, 23-32	82
1207	The impact of carboxy nitroxide antioxidants on irradiated ataxia telangiectasia cells. 2004 , 37, 946-52	12
1206	Genistein arrests hepatoma cells at G2/M phase: involvement of ATM activation and upregulation of p21waf1/cip1 and Wee1. 2004 , 67, 717-26	85
1205	Radioresistance in carcinoma of the breast. 2004 , 13, 452-60	85

1204	Molecular cytogenetic parameters in fibroblasts of ataxia telangiectasia carrier. 2004, 153, 102-7	1
1203	Excess risk for contralateral breast cancer in CHEK2*1100delC germline mutation carriers. 2004 , 83, 91-3	58
1202	Epigenetic inactivation of tumor suppressor genes in hematologic malignancies. 2004 , 80, 108-19	3
1201	ATM and DNA-PK function redundantly to phosphorylate H2AX after exposure to ionizing radiation. 2004 , 64, 2390-6	810
1200	Autosomal recessive spinocerebellar ataxia and peripheral neuropathy with raised alpha-fetoprotein. 2004 , 251, 805-12	17
1199	A pathogenetic classification of hereditary ataxias: is the time ripe?. 2004 , 251, 913-22	25
1198	UV-B Induced stimulation of phosphatidylinositol 3-kinase in human fetal hepatocytes. 2004 , 19, 118-21	
1197	Genome instability in ataxia telangiectasia (A-T) families: camptothecin-induced damage to replicating DNA discriminates between obligate A-T heterozygotes, A-T homozygotes and controls. 2004 , 24, 617-29	8
1196	Neurodegenerative disorders associated with diabetes mellitus. 2004 , 82, 510-29	233
1195	DNA repair nucleases. 2004 , 61, 336-54	65
1194	Telomeres and chromosomal instability. 2004 , 61, 641-56	55
1193	Progressive sensorimotor impairment is not associated with reduced dopamine and high energy phosphate donors in a model of ataxia-telangiectasia. 2004 , 88, 1449-54	18
1192	Five haplotypes account for fifty-five percent of ATM mutations in Brazilian patients with ataxia telangiectasia: seven new mutations. 2004 , 126A, 33-40	25
1191	Germ-line ATM gene alterations are associated with susceptibility to sporadic T-cell acute lymphoblastic leukemia in children. 2004 , 39, 161-6	42
1190	Functional consequences of ATM sequence variants for chromosomal radiosensitivity. 2004 , 40, 109-19	69
1189	Pharmacogenomics of the p53 tumor suppressor and its role in cancer chemoresistance. 2004 , 62, 254-272	3
1188	Nonclassical splicing mutations in the coding and noncoding regions of the ATM Gene: maximum entropy estimates of splice junction strengths. 2004 , 23, 67-76	111
1187	Induction of p53 and p21 proteins by gamma radiation in skin fibroblasts derived from breast cancer patients. 2004 , 58, 479-84	14

1186 Analyzing the G2/M checkpoint. 2004 , 280, 51-82	89
Predictive models for breast cancer susceptibility from multiple single nucleotide polymorphisms. 2004 , 10, 2725-37	131
1184 Poly(ADP-ribose) polymerase-1 inhibits ATM kinase activity in DNA damage response. 2004 ,	
1183 The molecular pathology of primary immunodeficiencies. 2004 , 6, 59-83	45
1182 Lymphome du manteau : un modle biologique et clinique. 2004 , 1, 69-82	1
1181 Ataxies et paraplgies spastiques h⊞itaires. 2004, 1, 193-208	1
1180 Neuropathies httlitaires. 2004, 1, 254-276	1
1179 The mammalian cell cycle: an overview. 2005 , 296, 113-53	52
Creation of non-human primate neurogenetic disease models by gene targeting and nuclear transfer. 2004 , 2, 40	12
1177 Pharmacogenomics and breast cancer. 2004 , 5, 31-55	19
1176 Checkpoint Controls and Cancer. 2004 ,	2
Frequency of the ATM IVS10-6T>G variant in Australian multiple-case breast cancer families. 2004 , 6, R401-7	12
Loss of ATM sensitizes against O6-methylguanine triggered apoptosis, SCEs and chromosomal aberrations. 2004 , 3, 359-68	31
1173 Genetic biomarkers of therapeutic radiation sensitivity. 2004 , 3, 1237-43	67
DNA damage-induced activation of ATM and ATM-dependent signaling pathways. 2004 , 3, 889-900	366
1171 DNA single-strand breaks and neurodegeneration. 2004 , 3, 875-82	59
1170 The role of the DNA double-strand break response network in meiosis. 2004 , 3, 1149-64	70
The ataxia-oculomotor apraxia 1 gene product has a role distinct from ATM and interacts with the DNA strand break repair proteins XRCC1 and XRCC4. 2004 , 3, 1493-502	156

1168	The Mre11 complex and ATM: a two-way functional interaction in recognising and signaling DNA double strand breaks. 2004 , 3, 1515-20	56
1167	The absence of a functional relationship between ATM and BLM, the components of BASC, in DT40 cells. 2004 , 1688, 137-44	3
1166	Purification and identification of a protein kinase activity modulated by ionizing radiation. 2004 , 313, 97-103	7
1165	X-ray-induced telomeric instability in Atm-deficient mouse cells. 2004 , 315, 51-8	26
1164	Selective inhibition of bleomycin-induced G2 cell cycle checkpoint by simaomicin alpha. 2004 , 317, 817-22	19
1163	Poly(ADP-ribose) polymerase-1 inhibits ATM kinase activity in DNA damage response. 2004 , 319, 596-602	21
1162	Deficiency of the Mre11 DNA repair complex in Alzheimer's disease brains. 2004 , 128, 1-7	65
1161	Alteration of the ATM gene occurs in gastric cancer cell lines and primary tumors associated with cellular response to DNA damage. 2004 , 557, 41-51	23
1160	Telomere dysfunction in genome instability syndromes. 2004 , 567, 85-104	72
1159	Roles of cyclin-dependent kinase 4 and p53 in neuronal cell death induced by doxorubicin on cerebellar granule neurons in mouse. 2004 , 365, 180-5	21
1158	Immunodeficiency and infections in ataxia-telangiectasia. 2004 , 144, 505-11	232
1157	Structural analysis of DNA-PKcs: modelling of the repeat units and insights into the detailed molecular architecture. 2004 , 145, 295-306	25
1156	Molecular mechanisms of mammalian DNA repair and the DNA damage checkpoints. 2004, 73, 39-85	2443
1155	Pulmonary complications of primary immunodeficiencies. 2004 , 5 Suppl A, S225-33	91
1154	Cell cycle activation linked to neuronal cell death initiated by DNA damage. 2004 , 41, 549-61	292
1153	Functional consequences of sequence alterations in the ATM gene. 2004 , 3, 1197-205	47
1152	Expression of ATM protein and its relationship with p53 in pancreatic carcinoma with tissue array. 2004 , 28, 421-6	18
1151	Radiation biology: concepts for radiation protection. 2004 , 87, 3-14	17

(2005-2004)

Osteosarcoma as a second tumor after treatment for primary non-Hodgkin's lym with ataxia-telangiectasia: presentation of a case and review of possible pathoge 2004 , 26, 444-6	
1149 Neuropathies httlitaires. 2004, 1, 1-14	1
1148 Atrophies (dgfifescences) cffbelleuses tardives. 2004, 1, 1-18	
Mechanisms underlying the conversion of DNA double-strand breaks into chroma 1147 1, 223	atid breaks. 2004 , 4
1146 Hereditary ataxias. 2004 , 4, 655-673	1
1145 Recent advances in hereditary spinocerebellar ataxias. 2005 , 64, 171-80	33
1144 Radiation biology: concepts for radiation protection. 2005 , 88, 545-56	30
1143 Chapter 3. 2005 , 35, 41-60	
1142 Chapters 6 and 7. 2005 , 35, 93-140	1
ATM sequence variants are predictive of adverse radiotherapy response among predictive of adverse radiotherapy response radi	patients treated 74
ATM gene founder haplotypes and associated mutations in Polish families with ataxia-telangiectasia. 2005 , 69, 657-64	30
1139 Viral infections and cell cycle G2/M regulation. 2005 , 15, 143-9	72
1138 Nbs1 is required for ATR-dependent phosphorylation events. 2005 , 24, 199-208	150
Pneumococcal conjugate vaccine followed by pneumococcal polysaccharide vaccine immunogenicity in patients with ataxia-telangiectasia. 2005 , 140, 507-16	ine; 33
1136 Molecular basis of ataxia telangiectasia and related diseases. 2005 , 26, 897-907	38
1135 Lack of PTEN sequesters CHK1 and initiates genetic instability. 2005 , 7, 193-204	271
1134 ATM signaling and genomic stability in response to DNA damage. 2005 , 569, 123	-32 156
1133 SNP discovery in associating genetic variation with human disease phenotypes. 2	2 005 , 573, 41-53 141

1132	Genomic instability and cancer: networks involved in response to DNA damage. 2005 , 592, 18-28	76
1131	Molecular nature of intrachromosomal deletions and base substitutions induced by environmental mutagens. 2005 , 45, 150-61	54
1130	Alternative splicing of MDM2 mRNA in lung carcinomas and lung cell lines. 2005 , 46, 1-11	19
1129	Cancer risk according to type and location of ATM mutation in ataxia-telangiectasia families. 2005 , 42, 1-9	43
1128	Functional significance of a deep intronic mutation in the ATM gene and evidence for an alternative exon 28a. 2005 , 25, 118-24	47
1127	ATM mutations, haplotype analysis, and immunological status of Russian patients with ataxia telangiectasia. 2005 , 25, 593	22
1126	ATM haplotypes and associated mutations in Iranian patients with ataxia-telangiectasia: recurring homozygosity without a founder haplotype. 2005 , 117, 101-6	19
1125	New autosomal recessive cerebellar ataxias with oculomotor apraxia. 2005 , 5, 411-7	26
1124	What have animal models taught us about the p53 pathway?. 2005 , 205, 206-20	67
1123	Peripheral Neuropathies in Infants and Children: Polyneuropathies, Mononeuropathies, Plexopathies, and Radiculopathies. 2005 , 2707-2753	
1122	Ataxia telangiectasia. 2005 , 738-748	1
1121	Skin Disorders in the Elderly. 1587-1604	
112 0	Haplotype Analysis. 2005 ,	
1119	Inherited Predispositions to Cancer. 2005 ,	
1118	Clinical and Pathological Features of Hereditary Ataxiasemsp; Work in the laboratory of TA has been supported by NIH/NINDS grant #1 RO1 NS4154701. Work in the laboratory of SHS has been supported by Grants from the Luckyday Foundation and the Stangle Ataxia Research Fund 2005 , 595-612	
1117	Deficiency in the catalytic subunit of DNA-dependent protein kinase causes down-regulation of ATM. 2005 , 65, 1670-7	86
1116	Impaired hepatocyte survival and liver regeneration in Atm-deficient mice. 2005, 14, 3019-25	23
1115	Cancer risks and mortality in heterozygous ATM mutation carriers. 2005 , 97, 813-22	382

(2005-2005)

1114	A role for PKCzeta in potentiation of the topoisomerase II activity and etoposide cytotoxicity by wortmannin. 2005 , 4, 1457-64	8
1113	Tumor suppressor genetics. 2005 , 26, 2031-45	129
1112	A quantitative measurement of the human somatic mutation rate. 2005 , 65, 8111-7	125
1111	Arginine methylation of MRE11 by PRMT1 is required for DNA damage checkpoint control. 2005 , 19, 671-6	153
1110	Artemis links ATM to double strand break rejoining. 2005 , 4, 359-62	86
1109	Mdm2 binds to Nbs1 at sites of DNA damage and regulates double strand break repair. 2005 , 280, 18771-81	89
1108	A history of pediatric immunology. 2005 , 57, 458-67	17
1107	Interaction of 14-3-3 protein with Chk1 affects localization and checkpoint function. 2005 , 118, 39-50	36
1106	Genetic polymorphisms of ataxia telangiectasia mutated and breast cancer risk. 2005, 14, 821-5	45
1105	Prediction of radiation sensitivity using a gene expression classifier. 2005 , 65, 7169-76	155
1104	Genome Instability in Cancer Development. 2005,	1
1103	Loss of neuronal cell cycle control in ataxia-telangiectasia: a unified disease mechanism. 2005 , 25, 2522-9	111
1102	Identification and functional consequences of a novel MRE11 mutation affecting 10 Saudi Arabian patients with the ataxia telangiectasia-like disorder. 2005 , 14, 307-18	112
1101	The ATM-dependent DNA damage signaling pathway. 2005 , 70, 99-109	136
1100	The two edges of the ATM sword: co-operation between repair and checkpoint functions. 2005, 76, 112-8	61
1099	A syndrome of hypoplastic sinuses, hydrocephalus, bronchiectasis, and hypogammaglobulinemia with functional antibody deficiency in twin girls. 2005 , 94, 693-9	2
1098	Restarting the cell cycle when the checkpoint comes to a halt. 2005 , 65, 7037-40	55
1097	Caffeine sensitizes nondividing human fibroblasts to x rays by inducing a high frequency of misrepair. 2005 , 164, 509-13	6

1096 Radiation in Realistic Environments: Interactions Between Radiation and Other Factors. 2005 , 163, 691-708	3 1
1095 The Rare Phakomatoses. 2005 , 819-854	8
1094 25 Years of p53 Research. 2005 ,	12
Rapid molecular diagnosis of ataxia-telangiectasia by optimised RT-PCR and direct sequencing analysis. 2005 , 210, 279-82	4
1092 Abnormal stability of wild-type p53 protein in a human lung carcinoma cell line. 2005 , 330, 483-8	9
1091 Protein kinase CK2 interacts with Chk2 and phosphorylates Mre11 on serine 649. 2005 , 331, 247-52	7
1090 Inhibition of Atm and/or Atr disrupts gene silencing on the inactive X chromosome. 2005 , 337, 875-80	13
1089 Genetic immunodeficiency disorders. 2005 , 23, 68-77	4
1088 The Elg1 replication factor C-like complex: a novel guardian of genome stability. 2005 , 4, 409-17	38
Suppression of gross chromosomal rearrangements by the multiple functions of the Mre11-Rad50-Xrs2 complex in Saccharomyces cerevisiae. 2005 , 4, 606-17	27
1086 Molecular cloning and functional characterization of zebrafish ATM. 2005 , 37, 1105-16	30
1085 Telomeres and DNA damage checkpoints. 2005 , 87, 613-24	24
1084 Targeting senescence pathways to reverse drug resistance in cancer. 2005 , 219, 1-13	32
The Ataxia-telangiectasia mutated gene and breast cancer: gene expression profiles and sequence variants. 2005 , 227, 105-14	35
1082 The Oncogenetic Basis of Breast Cancer. 2005 , 15-26	
1081 Molecular Analysis of B Lymphocyte Development and Activation. 2005 ,	Ο
Comprehensive analysis of the ATM, CHEK2 and ERBB2 genes in relation to breast tumour characteristics and survival: a population-based case-control and follow-up study. 2006 , 8, R67	15
1079 DNA Repair and Human Disease. 2006,	

1078	[Autosomal recessive cerebellar ataxias with oculomotor apraxia]. 2006 , 162, 177-84	12
1077	Sustained phosphorylation of Bid is a marker for resistance to Fas-induced apoptosis during chronic liver diseases. 2006 , 130, 104-19	27
1076	Autosomal recessive cerebellar ataxias. 2006 , 1, 47	115
1075	Clinical Neurophysiology of Pediatric Polyneuropathies. 2006 , 645-686	
1074	Mutation analysis of the ATM gene in two Chinese patients with ataxia telangiectasia. 2006 , 241, 1-6	8
1073	[Ataxia-telangiectasia: a review]. 2006, 13, 293-8	18
1072	Methylglyoxal-bis(guanylhydrazone), a polyamine analogue, sensitized Fradiation-induced cell death in HL-60 leukemia cells Sensitizing effect of MGBG on Fradiation-induced cell death. 2006 , 22, 160-6	3
1071	ATM-dependent suppression of stress signaling reduces vascular disease in metabolic syndrome. 2006 , 4, 377-89	194
1070	Banking on ATM as a new target in metabolic syndrome. 2006 , 4, 337-8	24
1069	Constitutive phosphorylation of ATM in lymphoblastoid cell lines from patients with ICF syndrome without downstream kinase activity. 2006 , 5, 432-43	19
1068	Antioxidant N-acetyl cysteine reduces incidence and multiplicity of lymphoma in Atm deficient mice. 2006 , 5, 852-9	81
1067	Human embryonic stem cells as a cellular model for human disorders. 2006 , 252, 154-9	34
1066	Expression of human ATM cDNA in Atm-deficient mouse brain mediated by HSV-1 amplicon vector. 2006 , 141, 1247-56	14
1065	ATM polymorphism IVS62+60G>A is not associated with disease aggressiveness in prostate cancer. 2006 , 67, 1320-3	9
1064	[Relationship between abnormalities of genes involved in DNA damage responses and malignant tumors/autoimmune diseases]. 2006 , 29, 136-47	1
1063	Genetic Basis of Neurologic and Neuromuscular Diseases. 2006 , 267-280	
1062	Mechanisms of eukaryotic DNA double strand break repair. 2006 , 11, 1958-76	98
1061	References. 275-380	

1060 Indirect but just as effective. **2006**, 6, S21-S22

1

1059 Oxidative Stress and Ataxiallelangiectasia. 2006 , 499-518	
1058 Immunological Disorders: Hereditary. 2006 ,	
1057 Molecular Pathogenesis of Human Cancer. 2006 , 349-374	
ATM-dependent DNA damage surveillance in T-cell development and leukemogenesis: the connection. 2006 , 209, 142-58	he DSB 58
1055 Spinocerebellar ataxia with ocular motor apraxia and DNA repair. 2006 , 26, 361-7	25
Influence of endogenous glutathione level on X-ray induced cell cycle delay in human lyn 2006 , 39, 37-47	mphocytes.
Preventing or reducing late side effects of radiation therapy: radiobiology meets molecupathology. 2006 , 6, 702-13	ılar 709
The role of double-strand break repair - insights from human genetics. 2006 , 7, 45-54	449
DNA damage: a trigger of innate immunity but a requirement for adaptive immune home 2006 , 6, 261-70	eostasis. 75
1050 Involvement of novel autophosphorylation sites in ATM activation. 2006 , 25, 3504-14	225
1049 ATM and breast cancer susceptibility. 2006 , 25, 5906-11	167
1048 Genetic predictors of adverse radiotherapy effects: the Gene-PARE project. 2006 , 65, 64	6-55 98
Influence of genetic polymorphisms on the risk of developing leukemia and on disease p 2006 , 30, 1471-91	progression. 84
1046 Control of the G2/M transition. 2006 , 32, 227-48	209
Activation of p53 signaling initiates apoptotic death in a cellular model of Parkinson's distance 1045 , 11, 955-66	sease. 2006 69
1044 Aneuploidy in the normal and diseased brain. 2006 , 63, 2626-41	79
Dramatic extension of tumor latency and correction of neurobehavioral phenotype in At mice with a nitroxide antioxidant. 2006 , 41, 992-1000	m-mutant 63

(2006-2006)

1042	Intact T cell responses in ataxia telangiectasia. 2006 , 120, 156-62	17
1041	Paediatric and adult ataxias (update 5). 2006 , 10, 249-53	2
1040	ATM variants and cancer risk in breast cancer patients from Southern Finland. 2006 , 6, 209	19
1039	Modifications of nuclear architecture and chromatin organization in ataxia telangiectasia cells are coupled to changes of gene transcription. 2006 , 99, 1148-64	3
1038	The cellular control of DNA double-strand breaks. 2006 , 99, 1463-75	77
1037	The ATM missense mutation p.Ser49Cys (c.146C>G) and the risk of breast cancer. 2006 , 27, 538-44	52
1036	RAG-dependent primary immunodeficiencies. 2006 , 27, 1174-84	103
1035	Population-based estimates of breast cancer risks associated with ATM gene variants c.7271T>G and c.1066-6T>G (IVS10-6T>G) from the Breast Cancer Family Registry. 2006 , 27, 1122-8	78
1034	ATM mutations in Italian families with ataxia telangiectasia include two distinct large genomic deletions. 2006 , 27, 1061	29
1033	Oxidative Stress in Cancer-Prone Diseases. 2006 , 761-788	
1032	Atm-deficient mice: an osteoporosis model with defective osteoblast differentiation and increased osteoclastogenesis. 2006 , 15, 1938-48	51
1031	Molecular Basis of Vascular Birthmarks. 2006 , 20, 149-156	2
1030	Proton MR spectroscopic imaging in ataxia-telangiectasia. 2006 , 37, 241-6	14
1029	Genotoxicity in Alzheimer's disease: role of amyloid. 2006 , 3, 365-75	9
1028	Targeting DNA repair proteins: a promising avenue for cancer gene therapy. 2006 , 6, 111-23	27
1027	DNA damage responses and their many interactions with the replication fork. 2006 , 27, 883-92	87
1026	Genetic analysis of chromosome pairing, recombination, and cell cycle control during first meiotic prophase in mammals. 2006 , 27, 398-426	128
1025	Active role for nibrin in the kinetics of atm activation. 2006 , 26, 1691-9	71

1024	Differential usage of alternative pathways of double-strand break repair in Drosophila. 2006 , 172, 1055-68	74
1023	Evidence of meiotic crossover control in Saccharomyces cerevisiae through Mec1-mediated phosphorylation of replication protein A. 2006 , 172, 27-39	23
1022	Disparate roles of ATR and ATM in immunoglobulin class switch recombination and somatic hypermutation. 2006 , 203, 99-110	35
1021	Telomeres and telomerase: Pharmacological targets for new anticancer strategies?. 2006 , 6, 147-80	60
1020	DNA replication stress-induced phosphorylation of cyclic AMP response element-binding protein mediated by ATM. 2006 , 281, 1692-7	28
1019	BRCC36 is essential for ionizing radiation-induced BRCA1 phosphorylation and nuclear foci formation. 2006 , 66, 5039-46	62
1018	The phosphoinositide 3-kinase pathway in human cancer: genetic alterations and therapeutic implications. 2007 , 8, 271-306	153
1017	ATM-NF-kappaB connection as a target for tumor radiosensitization. 2007 , 7, 335-42	51
1016	Effect of ATM, CHEK2 and ERBB2 TAGSNPs and haplotypes on endometrial cancer risk. 2007 , 16, 154-64	17
1015	Interactions of HIV-1 viral protein R with host cell proteins. 2007 , 55, 233-60	10
1014	Ataxia-telangiectasia mutated is not required for p53 induction and apoptosis in irradiated epithelial tissues. 2007 , 5, 1312-8	17
1013	Reactive oxygen species induce chondrocyte hypertrophy in endochondral ossification. 2007 , 204, 1613-23	137
1012	Slow-flow vascular malformations. 2007 , 46, 109-20	6
1011	Cdc18/CDC6 activates the Rad3-dependent checkpoint in the fission yeast. 2007 , 35, 5323-37	23
1010	The role of DNA damage repair in aging of adult stem cells. 2007 , 35, 7557-65	112
1009	Regulation of reactive oxygen species by Atm is essential for proper response to DNA double-strand breaks in lymphocytes. 2007 , 178, 103-10	97
1008	Tumor suppression and circadian function. 2007 , 22, 291-8	80
1007	Cancer genes associated with phenotypes in monoallelic and biallelic mutation carriers: new lessons from old players. 2007 , 16 Spec No 1, R60-6	68

(2007-2007)

Aspirin blocks proliferation in colon cells by inducing a G1 arrest and apoptosis through ac of the checkpoint kinase ATM. 2007 , 28, 2207-17	ctivation 44
1005 Genetic causes of vascular malformations. 2007 , 16 Spec No. 2, R140-9	170
1004 Fungal malformins inhibit bleomycin-induced G2 checkpoint in Jurkat cells. 2007 , 30, 1379	9-83 33
1003 Chapter 8 Ataxia-Telangiectasia. 2007 , 202-221	1
1002 ATM gene mutations in former uranium miners of SDAG Wismut: A pilot study. 2007 ,	2
1001 Susceptibility to breast cancer: hereditary syndromes and low penetrance genes. 2006 , 27	7, 21-50 29
Tri-cistronic cloning, overexpression and purification of human Rad9, Rad1, Hus1 protein c 2007 , 54, 204-11	complex.
999 Ageing or cancer: a review on the role of caretakers and gatekeepers. 2007 , 43, 2144-52	52
998 Cell division in the CNS: protective response or lethal event in post-mitotic neurons?. 2007	7 , 1772, 457-66 110
Characterization of the porcine ATM gene: towards the generation of a novel non-murine model for Ataxia-Telangiectasia. 2007 , 405, 27-35	animal 8
996 Vascular malformations. Part II: associated syndromes. 2007 , 56, 541-64	172
995 DNA damage-induced signalling in ataxia-telangiectasia and related syndromes. 2007 , 83,	231-7 33
994 Histone Variant Nucleosomes. 2007 , 73-92	3
993 Chromatin and Disease. 2007 ,	7
992 Apoptosis, Senescence, and Cancer. 2007 ,	6
991 Mechanisms of disease: DNA repair defects and neurological disease. 2007 , 3, 162-72	85
The Myc-evoked DNA damage response accounts for treatment resistance in primary lymp vivo. 2007 , 110, 2996-3004	phomas in 70
The effects of NBS1 knockdown by small interfering RNA on the ionizing radiation-induced apoptosis in human lymphoblastoid cells with different p53 status. 2007 , 171, 50-9	rd 14

988	The role of activation-induced deaminase in antibody diversification and chromosome translocations. 2007 , 94, 75-107	51
987	Current and potential therapeutic strategies for the treatment of ataxia-telangiectasia. 2007 , 81-82, 129-47	106
986	Intrinsic mitochondrial dysfunction in ATM-deficient lymphoblastoid cells. 2007, 16, 2154-64	130
985	Advanced therapeutic and prophylactic strategies for Epstein-Barr virus infection in immunocompromised patients. 2007 , 5, 403-13	11
984	Clinical Overview and Phenomenology of Movement Disorders. 2007, 1-42	2
983	Repair of potentially lethal damage in normal cells and ataxia telangiectasia cells; consideration of non-homologous end-joining. 2007 , 48, 31-8	10
982	A novel phenotypic marker for ATM-deficient 129S6/SvEvTac-ATMtm1Awb/J mice. 2007 , 290, 243-50	3
981	Ataxia-telangiectasia: mild neurological presentation despite null ATM mutation and severe cellular phenotype. 2007 , 143A, 1827-34	42
980	A systematic evaluation of the ataxia telangiectasia mutated gene does not show an association with non-Hodgkin lymphoma. 2007 , 121, 1967-75	8
979	The coding region of TP53INP2, a gene expressed in the developing nervous system, is not altered in a family with autosomal recessive non-progressive infantile ataxia on chromosome 20q11-q13. 2007 , 236, 843-52	13
978	Glutathione levels in blood from ataxia telangiectasia patients suggest in vivo adaptive mechanisms to oxidative stress. 2007 , 40, 666-70	14
977	A genetically determined dose-volume histogram predicts for rectal bleeding among patients treated with prostate brachytherapy. 2007 , 68, 1410-6	48
976	Possession of ATM sequence variants as predictor for late normal tissue responses in breast cancer patients treated with radiotherapy. 2007 , 69, 677-84	66
975	Linkage disequilibrium pattern of the ATM gene in breast cancer patients and controls; association of SNPs and haplotypes to radio-sensitivity and post-lumpectomy local recurrence. 2007 , 2, 25	30
974	Rapid molecular prenatal diagnosis of ataxia-telangiectasia by direct mutational analysis. 2007, 27, 861-4	8
973	Activation and regulation of ATM kinase activity in response to DNA double-strand breaks. 2007 , 26, 7741-8	408
972	Mutations in SYNE1 lead to a newly discovered form of autosomal recessive cerebellar ataxia. 2007 , 39, 80-5	246
971	A novel form of ataxia oculomotor apraxia characterized by oxidative stress and apoptosis resistance. 2007 , 14, 1149-61	13

(2008-2007)

970	MRE11-RAD50-NBS1 and ATM function as co-mediators of TRF1 in telomere length control. 2007 , 14, 832-40	92
969	Large genomic mutations within the ATM gene detected by MLPA, including a duplication of 41 kb from exon 4 to 20. 2008 , 72, 10-8	25
968	Constitutive expression and cytoplasmic compartmentalization of ATM protein in differentiated human neuron-like SH-SY5Y cells. 2007 , 100, 337-45	37
967	Ocular findings in Norwegian patients with ataxia-telangiectasia: a 5 year prospective cohort study. 2007 , 85, 557-62	7
966	Twists and turns in the function of DNA damage signaling and repair proteins by post-translational modifications. 2007 , 6, 561-77	23
965	Monitoring ATM kinase activity in living cells. 2007 , 6, 1277-84	33
964	ATM, the Mre11/Rad50/Nbs1 complex, and topoisomerase I are concentrated in the nucleus of Purkinje neurons in the juvenile human brain. 2007 , 6, 1698-707	26
963	Alpha fetoprotein is increasing with age in ataxia-telangiectasia. 2007 , 11, 375-80	63
962	Lung disease in ataxia-telangiectasia. 2007 , 96, 1021-4	37
961	p53-Dependent but ATM-independent inhibition of DNA synthesis and G2 arrest in cadmium-treated human fibroblasts. 2007 , 218, 174-85	36
960	Chromatid-type aberrations following irradiation in G0 lymphocytes with heavy ions. 2007, 617, 98-103	4
959	Clinical features and molecular genetics of autosomal recessive cerebellar ataxias. 2007, 6, 245-57	223
958	Intracellular Pathways Involved in DNA Damage and Repair to Neuronal Apoptosis. 2006, 335-346	
957	Many faces of NF-kappaB signaling induced by genotoxic stress. 2007 , 85, 1187-202	112
956	Risk of other cancers in individuals with a family history of pancreas cancer. 2007 , 38, 119-26	8
955	ATM allelic variants associated to hereditary breast cancer in 94 Chilean women: susceptibility or ethnic influences?. 2008 , 107, 281-8	22
954	Mystery of DNA repair: the role of the MRN complex and ATM kinase in DNA damage repair. 2008 , 49, 383-96	58
953	Genetic analysis reveals different roles of Schizosaccharomyces pombe sfr1/dds20 in meiotic and mitotic DNA recombination and repair. 2008 , 54, 197-211	10

952	Telomere capping in Drosophila: dealing with chromosome ends that most resemble DNA breaks. 2008 , 117, 235-42	42
951	Three-hit hypothesis in astrocytoma: tracing the polymorphism D1853N in ATM gene through a pedigree of the proband affected with primary brain tumor. 2008 , 134, 1173-80	18
950	Hereditary breast cancer: new genetic developments, new therapeutic avenues. 2008, 124, 31-42	233
949	Targeting phosphoinositide 3-kinase: moving towards therapy. 2008 , 1784, 159-85	440
948	Physical and biomedical countermeasures for space radiation risk. 2008 , 18, 244-52	4
947	The involvement of DNA-damage and -repair defects in neurological dysfunction. 2008, 82, 539-66	61
946	Atm is a negative regulator of intestinal neoplasia. 2008 , 27, 1013-8	15
945	Induction of genetic instability by gain-of-function p53 cancer mutants. 2008 , 27, 3501-7	47
944	Immunodeficiency in ataxia telangiectasia is correlated strongly with the presence of two null mutations in the ataxia telangiectasia mutated gene. 2008 , 153, 214-20	82
943	Functional interaction between FOXO3a and ATM regulates DNA damage response. 2008 , 10, 460-7	144
942	The emerging landscape of breast cancer susceptibility. 2008 , 40, 17-22	365
941	ATR: an essential regulator of genome integrity. 2008 , 9, 616-27	1290
940	Ataxia-telangiectasia: from a rare disorder to a paradigm for cell signalling and cancer. 2008, 9, 759-69	714
939	Steroid-induced improvement of neurological signs in ataxia-telangiectasia patients. 2008 , 15, 223-8	49
938	Linkage studies exclude the AT-V gene(s) from the translocation breakpoints in an AT-V patient. 1997 , 51, 309-13	5
937	The yeast genome and clinical genetics. 1998 , 54, 113-6	1
936	ATM germline mutations in Spanish early-onset breast cancer patients negative for BRCA1/BRCA2 mutations. 2008 , 73, 465-73	17
935	Ataxia telangiectasia syndrome with B cell lymphoma. 1996 , 49, 331-2	7

(2008-2008)

934	Detection of ATM gene mutations in young lung cancer patients: a population-based control study. 2008 , 39, 226-31	12
933	Growth of persistent foci of DNA damage checkpoint factors is essential for amplification of G1 checkpoint signaling. 2008 , 7, 405-17	50
932	The neurological phenotype of ataxia-telangiectasia: solving a persistent puzzle. 2008, 7, 1028-38	102
931	Defective responses to DNA single- and double-strand breaks in spinocerebellar ataxia. 2008, 7, 1061-76	15
930	Ataxie t[angiectasie : cas cliniques et revue de la littfature. 2008 , 21, 98-101	1
929	Expression status of ataxia-telangiectasia-mutated gene correlated with prognosis in advanced gastric cancer. 2008 , 638, 17-25	47
928	Rapid screen for truncating ATM mutations by PTT-ELISA. 2008, 640, 139-44	15
927	Individual Susceptibility and Gene E nvironment Interaction. 55-69	4
926	Genetic predisposition to breast cancer: past, present, and future. 2008, 9, 321-45	202
925	The Neurological Manifestations of Pediatric Infectious Diseases and Immunodeficiency Syndromes. 2008 ,	1
924	Telomeres and Telomerase in Ageing, Disease, and Cancer. 2008,	1
923	Antisense inhibition of ATM gene enhances the radiosensitivity of head and neck squamous cell carcinoma in mice. 2008 , 27, 56	12
922	Checkpoint Responses in Cancer Therapy. 2008,	1
921	L-carnitine enhances resistance to oxidative stress by reducing DNA damage in Ataxia telangiectasia cells. 2008 , 650, 165-74	32
920	Ophthalmic features of ataxia telangiectasia-like disorder. 2008 , 12, 186-9	30
919	The human homolog of fission yeast Rad17 is implicated in tumor growth. 2008 , 266, 194-202	2
918	Effects of antioxidants on cancer prevention and neuromotor performance in Atm deficient mice. 2008 , 46, 1371-7	28
917	HMGA1 protein is a novel target of the ATM kinase. 2008 , 44, 2668-79	19

916	Radiation-induced gene expression in human subcutaneous fibroblasts is predictive of radiation-induced fibrosis. 2008 , 86, 314-20	65
915	Insulin resistance and atherosclerosis. 2008 , 37, 603-21, viii	63
914	DNA double-strand break repair defects in syndromes associated with acute radiation response: at least two different assays to predict intrinsic radiosensitivity?. 2008 , 84, 107-25	80
913	Greglist: a database listing potential G-quadruplex regulated genes. 2008, 36, D372-6	44
912	Breast Cancer. 2008 ,	3
911	Transient inhibition of ATM kinase is sufficient to enhance cellular sensitivity to ionizing radiation. 2008 , 68, 7466-74	191
910	Variants in the ATM gene associated with a reduced risk of contralateral breast cancer. 2008, 68, 6486-91	39
909	Tagging single nucleotide polymorphisms in phosphoinositide-3-kinase-related protein kinase genes involved in DNA damage "checkpoints" and lung cancer susceptibility. 2008 , 14, 2887-91	9
908	Relationship Between San-Huang-Xie-Xin-Tang and its herbal components on the gene expression profiles in HepG2 cells. 2008 , 36, 783-97	52
907	Different clinical and immunological presentation of ataxia-telangiectasia within the same family. 2008 , 39, 43-5	25
906	Haploinsufficiency of DNA Damage Response Genes and their Potential Influence in Human Genomic Disorders. 2008 , 9, 137-46	13
905	Maintenance of mitochondrial DNA by the Caenorhabditis elegans ATR checkpoint protein ATL-1. 2008 , 180, 681-6	8
904	A novel Tel1/ATM N-terminal motif, TAN, is essential for telomere length maintenance and a DNA damage response. 2008 , 28, 5736-46	20
903	Mutations in String/CDC25 inhibit cell cycle re-entry and neurodegeneration in a Drosophila model of Ataxia telangiectasia. 2008 , 22, 1205-20	33
902	Genetic interactions of the Aspergillus nidulans atmAATM homolog with different components of the DNA damage response pathway. 2008 , 178, 675-91	11
901	Human T-cell leukemia virus type 1 tax attenuates the ATM-mediated cellular DNA damage response. 2008 , 82, 6952-61	38
900	Infantile-onset spinocerebellar ataxia and mitochondrial recessive ataxia syndrome are associated with neuronal complex I defect and mtDNA depletion. 2008 , 17, 3822-35	118
899	Targeted integration of functional human ATM cDNA into genome mediated by HSV/AAV hybrid amplicon vector. 2008 , 16, 81-8	27

(2009-2008)

898	2008 , 28, 358-75	25
897	DNA damage responses: mechanisms and roles in human disease: 2007 G.H.A. Clowes Memorial Award Lecture. 2008 , 6, 517-24	141
896	Irreversible chromosome damage accumulates rapidly in the absence of ATM kinase activity. 2008 , 7, 1277-84	47
895	Contribution of Translin to hematopoietic regeneration after sublethal ionizing irradiation. 2008 , 31, 207-11	17
894	Ataxia. 2008 , 405-415	
893	Ampicillin plus ceftriaxone for high-level aminoglycoside-resistant Enterococcus faecalis endocarditis. 2008 , 148, 243; author reply 243	2
892	. 2008,	8
891	The effect of a primary care practice-based depression intervention on mortality in older adults. 2008 , 148, 244-5; author reply 245	2
890	Ampicillin plus Ceftriaxone for High-Level Aminoglycoside-Resistant Enterococcus faecalis Endocarditis. 2008 , 148, 243	
889	The Phakomatoses. 2008 , 415-434	
888	Primary T-cell immunodeficiencies. 2008 , 531-551	
887	Experimental antioxidant therapy in ataxia telangiectasia. 2008 , 2, 431-6	22
886	Oxidative stress-induced DNA damage and cell cycle regulation in B65 dopaminergic cell line. 2009 , 43, 985-94	34
885	PTIP regulates 53BP1 and SMC1 at the DNA damage sites. 2009 , 284, 18078-84	33
884	Polygenic susceptibility to breast cancer: current state-of-the-art. 2009 , 5, 689-701	29
883	Recent advances in cancer therapy targeting proteins involved in DNA double-strand break repair. 2009 , 15, 6314-20	156
882	Update on genetic predisposition to breast cancer. 2009 , 9, 1103-13	10
881	Chromatin remodeling finds its place in the DNA double-strand break response. 2009 , 37, 1363-77	103

880	Solving the RIDDLE of 53BP1 recruitment to sites of damage. 2009 , 8, 1532-8	80
879	DNA damage-induced cell death is enhanced by progression through mitosis. 2009 , 8, 2951-63	25
878	Suppressing the high-level expression and function of ATM in advanced-stage melanomas does not sensitize the cells to ionizing radiation. 2009 , 8, 1815-25	10
877	Oxidative stress is linked to ERK1/2-p16 signaling-mediated growth defect in ATM-deficient astrocytes. 2009 , 284, 14396-404	59
876	Phase 2 study of sodium phenylbutyrate in ALS. 2009 , 10, 99-106	109
875	Ataxia with oculomotor apraxia type 2: clinical, biological and genotype/phenotype correlation study of a cohort of 90 patients. 2009 , 132, 2688-98	173
874	Targeting the Cell Cycle to Kill Cancer Cells. 2009 , 429-453	2
873	Gene therapy approaches to ataxias. 2009 , 9, 1-8	4
872	Gaze fixation deficits and their implication in ataxia-telangiectasia. 2009 , 80, 858-64	41
871	An Alu-derived intronic splicing enhancer facilitates intronic processing and modulates aberrant splicing in ATM. 2009 , 37, 7258-67	19
870	Clinical spectrum of ataxia-telangiectasia in adulthood. 2009 , 73, 430-7	125
869	[Oestrogens and neurogenesis: new functions for an old hormone. Lessons from the zebrafish]. 2009 , 203, 29-38	13
868	The DNA Damage Response: Implications on Cancer Formation and Treatment. 2009,	3
867	The Fanconi anemia protein interaction network: casting a wide net. 2009 , 668, 27-41	18
866	Regulation of ATM in DNA double strand break repair accounts for the radiosensitivity in human cells exposed to high linear energy transfer ionizing radiation. 2009 , 670, 15-23	33
865	DNA stress checkpoint control and plant development. 2009 , 12, 23-8	84
864	Antaxia-telangiectasia mutated gene polymorphisms and susceptibility to chromosomal damage among polycyclic aromatic hydrocarbons exposed workers. 2009 , 407, 2615-20	7
863	Regulatory ubiquitylation in response to DNA double-strand breaks. 2009 , 8, 436-43	151

(2009-2009)

862	Human DNA damage response and repair deficiency syndromes: linking genomic instability and cell cycle checkpoint proficiency. 2009 , 8, 1139-52	62
861	Oncogenic function of ATDC in pancreatic cancer through Wnt pathway activation and beta-catenin stabilization. 2009 , 15, 207-19	175
860	Functional and computational assessment of missense variants in the ataxia-telangiectasia mutated (ATM) gene: mutations with increased cancer risk. 2009 , 30, 12-21	53
859	Chemoimmunotherapy may overcome the adverse prognostic significance of 11q deletion in previously untreated patients with chronic lymphocytic leukemia. 2009 , 115, 373-80	88
858	Involvement of p53 in phthalate effects on mouse and rat osteoblasts. 2009, 107, 316-27	41
857	An allelotype analysis indicating the presence of two distinct ovarian clear-cell carcinogenic pathways: endometriosis-associated pathway vs. clear-cell adenofibroma-associated pathway. 2009 , 455, 261-70	16
856	Assessing the role of stress signalling via p38 MAP kinase in the premature senescence of ataxia telangiectasia and Werner syndrome fibroblasts. 2009 , 10, 253-66	23
855	Differential expression of small heat shock protein 27 (Hsp27) in Ataxia telangiectasia brains. 2009 , 34, 1658-67	3
854	Phenotypic variations between affected siblings with ataxia-telangiectasia: ataxia-telangiectasia in Japan. 2009 , 90, 455-462	29
853	The CXXC finger 5 protein is required for DNA damage-induced p53 activation. 2009 , 52, 528-38	22
852	Mechanisms of radiation injury: impact of molecular medicine. 1997 , 15 Suppl 2, 1-5	3
851	Design and analysis of epidemiological studies of excess cancer among children exposed to Chernobyl radionuclides. 1997 , 15 Suppl 2, 211-30	3
850	Ataxia-Telangiectasia and mechanical ventilation: a word of caution. 2009, 44, 101-2	11
849	Letter to the editor: Ataxia-Telangiectasia and mechanical ventilation: A word of caution. 2009 , 44, 202-203	
848	Common genetic changes in leiomyosarcoma and gastrointestinal stromal tumour: implication for ataxia telangiectasia mutated involvement. 2009 , 90, 549-57	11
847	Emerging common themes in regulation of PIKKs and PI3Ks. 2009 , 28, 3067-73	222
846	Chromatin remodelling beyond transcription: the INO80 and SWR1 complexes. 2009 , 10, 373-84	219
845	DNA repair deficiency and neurological disease. 2009 , 10, 100-12	204

844	Implications of the human genome project for understanding gene-environment interactions. 1999 , 57, S39-41; discussion S41-2	2
843	Founder effects for ATM gene mutations in Italian Ataxia Telangiectasia families. 2009 , 73, 532-9	12
842	In ataxia-teleangiectasia betamethasone response is inversely correlated to cerebellar atrophy and directly to antioxidative capacity. 2009 , 16, 755-9	38
841	Genetics and pathogenesis of inherited ataxias and spastic paraplegias. 2009 , 652, 263-96	7
840	Human RAD50 deficiency in a Nijmegen breakage syndrome-like disorder. 2009 , 84, 605-16	175
839	Rare, evolutionarily unlikely missense substitutions in ATM confer increased risk of breast cancer. 2009 , 85, 427-46	140
838	Cancer driver mutations in protein kinase genes. 2009 , 281, 117-27	65
837	[Adjuvant irradiation in breast cancer patients with ATM gene heterozygous mutations: special focus on clinical efficacy/toxicity]. 2009 , 13, 164-72	1
836	The RIDDLE syndrome protein mediates a ubiquitin-dependent signaling cascade at sites of DNA damage. 2009 , 136, 420-34	585
835	Dficits immunitaires et lymphomes. 2009 , 30, S17-S18	O
834	Genetic Diseases of the Nervous System. 2009 , 35-72	
833	Advances in radiotherapy and implications for the next century: a historical perspective. 2009 , 69, 383-92	145
832	Cellular radiosensitivity: how much better do we understand it?. 2009 , 85, 1061-81	131
831	Efficacy of citicoline as an acute stroke treatment. 2009 , 10, 839-46	14
830	Update on the management of the immunodeficiency in ataxia-telangiectasia. 2009, 5, 565-75	16
829	Checkpoint Controls and Targets in Cancer Therapy. 2009,	4
828	DNA Double Strand Break Repair: Mechanisms and Therapeutic Potential. 2009 , 157-177	
827	Inmunodeficiencia con ataxia telangiectasia. Reporte de un caso. 2009 , 28, 12-18	3

(2010-2009)

826	DNA double strand break repair defects, primary immunodeficiency disorders, and 'radiosensitivity'. 2009 , 9, 510-6	43
825	The DNA-damage response: new molecular insights and new approaches to cancer therapy. 2009 , 37, 483-94	41
824	Cerebellar Ataxias and Related Conditions. 629-643	
823	HIV-1 Vpr: regulator of viral survival. 2009 , 7, 153-62	6
822	The genomics of lung adenocarcinoma: opportunities for targeted therapies. 2010 , 1, 1200-10	64
821	Involvement of DNA-PK and ATM in radiation- and heat-induced DNA damage recognition and apoptotic cell death. 2010 , 51, 493-501	49
820	Epidemiological, clinical, paraclinical and molecular study of a cohort of 102 patients affected with autosomal recessive progressive cerebellar ataxia from Alsace, Eastern France: implications for clinical management. 2010 , 11, 1-12	127
819	Hodgkin lymphoma in a young child contributing to a diagnosis of ataxia telangiectasia: review of the literature. 2010 , 3, 69-76	
818	Elevated serum IL-8 levels in ataxia telangiectasia. 2010 , 156, 682-4.e1	37
817	Paediatric and adult recessive ataxias (update 6). 2010 , 14, 264-6	1
817 816	Paediatric and adult recessive ataxias (update 6). 2010 , 14, 264-6 Gene table: monogenic determined neurocutaneous disorders. 2010 , 14, 449-51	1
ĺ		1 106
816	Gene table: monogenic determined neurocutaneous disorders. 2010 , 14, 449-51	
816 815	Gene table: monogenic determined neurocutaneous disorders. 2010 , 14, 449-51 The ATR barrier to replication-born DNA damage. 2010 , 9, 1249-55 Clinical variability and novel mutations in the NHEJ1 gene in patients with a Nijmegen breakage	106
816 815 814	Gene table: monogenic determined neurocutaneous disorders. 2010 , 14, 449-51 The ATR barrier to replication-born DNA damage. 2010 , 9, 1249-55 Clinical variability and novel mutations in the NHEJ1 gene in patients with a Nijmegen breakage syndrome-like phenotype. 2010 , 31, 1059-68 ATM is involved in cell-cycle control through the regulation of retinoblastoma protein	106
816 815 814 813	Gene table: monogenic determined neurocutaneous disorders. 2010, 14, 449-51 The ATR barrier to replication-born DNA damage. 2010, 9, 1249-55 Clinical variability and novel mutations in the NHEJ1 gene in patients with a Nijmegen breakage syndrome-like phenotype. 2010, 31, 1059-68 ATM is involved in cell-cycle control through the regulation of retinoblastoma protein phosphorylation. 2010, 110, 210-8 The checkpoint kinase ATM protects against stress-induced elevation of cyclin D1 and potential cell	106 24 8
816 815 814 813	Gene table: monogenic determined neurocutaneous disorders. 2010, 14, 449-51 The ATR barrier to replication-born DNA damage. 2010, 9, 1249-55 Clinical variability and novel mutations in the NHEJ1 gene in patients with a Nijmegen breakage syndrome-like phenotype. 2010, 31, 1059-68 ATM is involved in cell-cycle control through the regulation of retinoblastoma protein phosphorylation. 2010, 110, 210-8 The checkpoint kinase ATM protects against stress-induced elevation of cyclin D1 and potential cell death in neurons. 2010, 77, 524-33	106 24 8

808	Image-based quantitative determination of DNA damage signal reveals a threshold for G2 checkpoint activation in response to ionizing radiation. 2010 , 1, 10	9
807	Diagnostic dun dficit immunitaire primitif de lanfant. 2010 , 2010, 53-58	3
806	ATM Mediated Signaling Defends the Integrity of the Genome. 2010 , 2171-2183	
805	Molecular markers for prediction of risk of radiation-related injury to normal tissue. 2010 , 1, 11	2
804	Ionizing Radiation as a Carcinogen*. 2010 , 181-228	1
803	Mechanisms of ATR-mediated checkpoint signalling. 2010 , 15, 840-53	38
802	The human intra-S checkpoint response to UVC-induced DNA damage. 2010 , 31, 751-65	38
801	ATM is down-regulated by N-Myc-regulated microRNA-421. 2010 , 107, 1506-11	214
800	Impact of nuclear organization and dynamics on epigenetic regulation in the central nervous system: implications for neurological disease states. 2010 , 1204 Suppl, E20-37	18
799	Nuclear ataxias. 2010 , 2, a000786	8
798	Quantitative phosphoproteomics: New technologies and applications in the DNA damage response. 2010 , 9, 3479-84	5
797	A mitotic phosphorylation feedback network connects Cdk1, Plk1, 53BP1, and Chk2 to inactivate the G(2)/M DNA damage checkpoint. 2010 , 8, e1000287	158
796	A genome-scale DNA repair RNAi screen identifies SPG48 as a novel gene associated with hereditary spastic paraplegia. 2010 , 8, e1000408	133
795	Inhibition of ATM kinase activity does not phenocopy ATM protein disruption: implications for the clinical utility of ATM kinase inhibitors. 2010 , 9, 4052-7	41
794	The cellular response to DNA damage: A focus on MDC1 and its interacting proteins. 2010, 1, 166-178	61
793	DNA double-strand breaks and ATM activation by transcription-blocking DNA lesions. 2010 , 9, 274-8	42
79 ²	ATM activation in the presence of oxidative stress. 2010 , 9, 4805-11	140
791	Cell cycle-dependent phosphorylation of Rad53 kinase by Cdc5 and Cdc28 modulates checkpoint adaptation. 2010 , 9, 350-63	22

(2014-2010)

790	The ZFHX3 (ATBF1) transcription factor induces PDGFRB, which activates ATM in the cytoplasm to protect cerebellar neurons from oxidative stress. 2010 , 3, 752-62	44
789	Transient ATM kinase inhibition disrupts DNA damage-induced sister chromatid exchange. 2010 , 3, ra44	48
788	Association between normal tissue complications after radiotherapy and polymorphic variations in TGFB1 and XRCC1 genes. 2010 , 173, 505-11	60
787	Genes involved in human premature ovarian failure. 2010 , 45, 257-79	165
786	ATM polymorphisms and risk of lung cancer among never smokers. 2010 , 69, 148-54	39
7 ⁸ 5	Ataxia. 2010 , 139-153	
7 ⁸ 4	Antioxidant vitamins intake, ataxia telangiectasia mutated (ATM) genetic polymorphisms, and breast cancer risk. 2010 , 62, 1087-94	23
783	The Fanconi anemia ID2 complex: dueling saxes at the crossroads. 2014 , 13, 2999-3015	27
782	ATMIN is required for the ATM-mediated signaling and recruitment of 53BP1 to DNA damage sites upon replication stress. 2014 , 24, 122-130	23
781	Multifunctional role of ATM/Tel1 kinase in genome stability: from the DNA damage response to telomere maintenance. 2014 , 2014, 787404	22
7 ⁸ 0	Association of ATM Gene Polymorphism with PTC Metastasis in Female Patients. 2014 , 2014, 370825	8
779	The pleiotropic movement disorders phenotype of adult ataxia-telangiectasia. 2014 , 83, 1087-95	54
778	Genetic cerebellar ataxias. 2014 , 34, 280-92	35
777	Synthetic cytotoxicity: digenic interactions with TEL1/ATM mutations reveal sensitivity to low doses of camptothecin. 2014 , 197, 611-23	7
776	DNA Repair Defects. 2014 , 199-219	0
775	Altered corticomotor-cerebellar integrity in young ataxia telangiectasia patients. 2014 , 29, 1289-98	9
774	Hypergonadotropic hypogonadism and hypersegmented neutrophils in a patient with ataxia-telangiectasia-like disorder: potential diagnostic clues?. 2014 , 164A, 1830-4	7
773	Ataxia-telangiectasia-mutated protein expression with microsatellite instability in gastric cancer as prognostic marker. 2014 , 134, 72-80	34

772	Self-organization of meiotic recombination initiation: general principles and molecular pathways. 2014 , 48, 187-214	151
771	ATM activation in hypoxia - causes and consequences. 2014 , 1, e29903	14
770	DNA repair abnormalities leading to ataxia: shared neurological phenotypes and risk factors. 2014 , 15, 217-28	10
769	Finally Found: The Ataxia-Telangiectasia Gene and its Function. 2014 , 83-95	
768	ATDC/TRIM29 phosphorylation by ATM/MAPKAP kinase 2 mediates radioresistance in pancreatic cancer cells. 2014 , 74, 1778-88	37
767	Inherited Cancer-Predisposing Syndomes. 2014 , 219-359	
766	New tricks for an old fox: impact of TGFIbn the DNA damage response and genomic stability. 2014 , 7, re5	54
765	Chemotherapeutic compounds targeting the DNA double-strand break repair pathways: the good, the bad, and the promising. 2014 , 4, 86	82
764	cAMP signaling inhibits radiation-induced ATM phosphorylation leading to the augmentation of apoptosis in human lung cancer cells. 2014 , 13, 36	26
763	Strain background determines lymphoma incidence in Atm knockout mice. 2014 , 16, 129-36	14
762	Targeting ATR in DNA damage response and cancer therapeutics. 2014 , 40, 109-17	124
761	Identification of a radiation sensitivity gene expression profile in primary fibroblasts derived from patients who developed radiotherapy-induced fibrosis. 2014 , 111, 186-93	30
760	ATM signalling and cancer. 2014 , 33, 3351-60	129
759	Glutamine deprivation induces interleukin-8 expression in ataxia telangiectasia fibroblasts. 2014 , 63, 347-56	10
758	Association of the ATM gene polymorphisms with papillary thyroid cancer. 2014 , 45, 454-61	22
757	Among 45 variants in 11 genes, HDM2 promoter polymorphisms emerge as new candidate biomarker associated with radiation toxicity. 2014 , 4, 137-148	8
756	DR-GAS: a database of functional genetic variants and their phosphorylation states in human DNA repair systems. 2014 , 16, 97-103	4
755	Cell Death. 2014,	6

754	A Practical Guide to Human Cancer Genetics. 2014 ,	7
753	Ataxia-Telangiectasia, Louis-Bar Syndrome. 2014 , 351-353	
752	ATP puts the brake on DNA double-strand break repair: a new study shows that ATP switches the Mre11-Rad50-Nbs1 repair factor between signaling and processing of DNA ends. 2014 , 36, 1170-8	13
751	Clinical Ophthalmic Oncology. 2014 ,	3
75°	ATM-mediated stabilization of ZEB1 promotes DNA damage response and radioresistance through CHK1. 2014 , 16, 864-75	279
749	Genetic Neuromuscular Disorders. 2014,	4
748	Beyond DNA repair: DNA-PK function in cancer. 2014 , 4, 1126-39	141
747	Structural studies of DNA end detection and resection in homologous recombination. 2014 , 6, a017962	20
746	ATM: expanding roles as a chief guardian of genome stability. 2014 , 329, 154-61	79
745	Functional interplay between ATM/ATR-mediated DNA damage response and DNA repair pathways in oxidative stress. 2014 , 71, 3951-67	131
744	Forward subtractive libraries containing genes transactivated by dexamethasone in ataxia-telangiectasia lymphoblastoid cells. 2014 , 392, 13-30	10
743	Therapies for ataxias. 2014 , 16, 300	2
742	Diagnostics of ataxia-telangiectasia by an express test based on the indirect immunofluorescence method. 2014 , 8, 91-96	2
741	Altered mucosal immune response after acute lung injury in a murine model of Ataxia Telangiectasia. 2014 , 14, 93	15
740	Cerebral abnormalities in adults with ataxia-telangiectasia. 2014 , 35, 119-23	41
739	Targeted inhibition of ATR or CHEK1 reverses radioresistance in oral squamous cell carcinoma cells with distal chromosome arm 11q loss. 2014 , 53, 129-43	33
738	Ataxia with oculomotor apraxia type 2 fibroblasts exhibit increased susceptibility to oxidative DNA damage. 2014 , 21, 1627-31	9
737	Radiological imaging in ataxia telangiectasia: a review. 2014 , 13, 521-30	40

736	Current and future therapeutic strategies to treat ataxia telangiectasia. 2014, 2, 877-887	3
735	Do elevated serum IgM levels have to be included in probable diagnosis criteria of patients with ataxia-telangiectasia?. 2014 , 27, 421-7	8
734	Ionizing radiation-induced XRCC4 phosphorylation is mediated through ATM in addition to DNA-PK. 2014 , 90, 365-72	7
733	Role of DNA damage in cardiovascular disease. 2014 , 78, 42-50	21
732	Motor pathway degeneration in young ataxia telangiectasia patients: A diffusion tractography study. 2015 , 9, 206-15	13
731	Severe radiotoxicity in an allogeneic transplant recipient with a heterozygous ATM mutation. 2015 , 95, 90-2	6
730	Admixture Mapping. 2015 , 1-5	
729	Ataxia telangiectasia. 2015 , 132, 199-214	27
728	Regulation of the Target of Rapamycin and Other Phosphatidylinositol 3-Kinase-Related Kinases by Membrane Targeting. 2015 , 5, 553-75	13
727	Abnormal Expression of DNA Double-Strand Breaks Related Genes, ATM and GammaH2AX, in Thyroid Carcinoma. 2015 , 2015, 136810	9
726	Influence of DNA repair genes polymorphism on the karyology of buccal epithelium cells in humans exposed to radon. 2015 , 5, 132-140	
725	Nuclear GIT2 is an ATM substrate and promotes DNA repair. 2015 , 35, 1081-96	22
724	The Inherited Ataxias. 2015, 811-832	
723	Multigene panel analysis identified germline mutations of DNA repair genes in breast and ovarian cancer. 2015 , 3, 459-66	58
722	The DNA-dependent protein kinase: A multifunctional protein kinase with roles in DNA double strand break repair and mitosis. 2015 , 117, 194-205	170
721	ATM protein kinase signaling, type 2 diabetes and cardiovascular disease. 2015 , 29, 51-8	24
720	DNA replication stress as a hallmark of cancer. 2015 , 10, 425-48	389
719	Mouse Models of Cancer. 2015 ,	2

(2015-2015)

718	Mechanisms of ATM Activation. 2015 , 84, 711-38	287
717	DNA damage responsea double-edged sword in cancer prevention and cancer therapy. 2015 , 358, 8-16	115
716	Ataxia telangiectasia mutated inhibits oxidative stress-induced apoptosis by regulating heme oxygenase-1 expression. 2015 , 60, 147-56	16
7 ¹ 5	ATM gene mutations in sporadic breast cancer patients from Brazil. 2015 , 4, 23	10
714	Ataxia-Telangiectasia. 2015 , 845-848	
713	ATM facilitates mouse gammaherpesvirus reactivation from myeloid cells during chronic infection. 2015 , 483, 264-74	9
712	Mec1-dependent phosphorylation of Mms21 modulates its SUMO ligase activity. 2015 , 28, 83-92	7
711	Positional cloning and next-generation sequencing identified a TGM6 mutation in a large Chinese pedigree with acute myeloid leukaemia. 2015 , 23, 218-23	16
710	Ataxia-telangiectasia - A historical review and a proposal for a new designation: ATM syndrome. 2015 , 355, 3-6	69
709	TRIM29 regulates the assembly of DNA repair proteins into damaged chromatin. 2015 , 6, 7299	30
708	Ataxia-Telangiectasia and the Biology of Ataxia-Telangiectasia Mutated (ATM). 2015 , 1025-1032	
707	NRMT1 knockout mice exhibit phenotypes associated with impaired DNA repair and premature aging. 2015 , 146-148, 42-52	29
706	Mcm2-7 Is an Active Player in the DNA Replication Checkpoint Signaling Cascade via Proposed Modulation of Its DNA Gate. 2015 , 35, 2131-43	10
705	Mosaic forms of ataxia telangiectasia. 2015 , 9, 53-63	2
704	DNA damage: a sensible mediator of the differentiation decision in hematopoietic stem cells and in leukemia. 2015 , 16, 6183-201	25
703	Role of chromatin structure modulation by the histone deacetylase inhibitor trichostatin A on the radio-sensitivity of ataxia telangiectasia. 2015 , 777, 52-9	12
702	Yet another job for Dna2: Checkpoint activation. 2015 , 32, 17-23	25
701	Breast Cancer Biology for the Radiation Oncologist. 2015 ,	1

700 Caenorhabditis elegans Models to Study the Molecular Biology of Ataxias. **2015**, 1043-1059

699	Genetic Syndromes and Radiotherapy in Breast Cancer. 2015 , 71-80	
698	The role of epigenomics in the neurodegeneration of ataxia-telangiectasia. 2015 , 7, 137-41	8
697	Ataxia-telangiectasia-mutated protein kinase levels stratify patients with pancreatic adenocarcinoma into prognostic subgroups with loss being a strong indicator of poor survival. 2015 , 44, 296-301	8
696	A novel porcine model of ataxia telangiectasia reproduces neurological features and motor deficits of human disease. 2015 , 24, 6473-84	28
695	Complete APTX deletion in a patient with ataxia with oculomotor apraxia type 1. 2015 , 16, 61	2
694	Chromatin perturbations during the DNA damage response in higher eukaryotes. 2015 , 36, 8-12	43
693	BRCA1 Mutation: A Predictive Marker for Radiation Therapy?. 2015 , 93, 281-93	33
692	ATM Kinase Is Required for Telomere Elongation in Mouse and Human Cells. 2015, 13, 1623-32	66
691	DEresse respiratoire chez un enfant de 8 ans. 2015 , 55, 315-318	
690	ATM and ATR signaling at a glance. 2015 , 128, 4255-62	148
689	ATM and ATR as therapeutic targets in cancer. 2015 , 149, 124-38	361
688	Incidence, presentation, and prognosis of malignancies in ataxia-telangiectasia: a report from the French national registry of primary immune deficiencies. 2015 , 33, 202-8	138
687	Single nucleotide polymorphisms of ataxia telangiectasia mutated and the risk of papillary thyroid carcinoma. 2015 , 56, 70-6	15
686	Lack of evidence for genomic instability in autistic children as measured by the cytokinesis-block micronucleus cytome assay. 2015 , 8, 94-104	14
685	Myoclonic axial jerks for diagnosing atypical evolution of ataxia telangiectasia. 2015 , 37, 362-5	13
684	Genomic Instability of Pluripotent Stem Cells: Origin and Consequences. 2016,	2
683	CRISPR/Cas9 and cancer targets: future possibilities and present challenges. 2016 , 7, 12305-17	42

682	Targeting homologous recombination repair in cancer. 2016 , 225-275	1
681	Ataxia. 2016 , 263-300	1
680	Assessment of Radiation Induced Therapeutic Effect and Cytotoxicity in Cancer Patients Based on Transcriptomic Profiling. 2016 , 17, 250	10
679	DNA Repair and Cytokines: TGF-∏L-6, and Thrombopoietin as Different Biomarkers of Radioresistance. 2016 , 6, 175	39
678	Liver Disease in Pediatric Patients With Ataxia Telangiectasia: A Novel Report. 2016 , 62, 550-5	23
677	Distinctive features of single nucleotide alterations in induced pluripotent stem cells with different types of DNA repair deficiency disorders. 2016 , 6, 26342	6
676	Novel insights into RAD51 activity and regulation during homologous recombination and DNA replication. 2016 , 94, 407-418	73
675	Enhancement of DNA double-strand break induction and cell killing by K-shell absorption of phosphorus in human cell lines. 2016 , 92, 724-732	3
674	Radiogenomics: A systems biology approach to understanding genetic risk factors for radiotherapy toxicity?. 2016 , 382, 95-109	50
673	How Research on Human Progeroid and Antigeroid Syndromes Can Contribute to the Longevity Dividend Initiative. 2016 , 6, a025882	14
672	Probing the Mec1ATR Checkpoint Activation Mechanism with Small Peptides. 2016, 291, 393-401	13
671	Premature Ovarian Insufficiency: New Perspectives on Genetic Cause and Phenotypic Spectrum. 2016 , 37, 609-635	119
670	Genetically modified pig models for neurodegenerative disorders. 2016 , 238, 267-87	68
669	Enhanced gefitinib-induced repression of the epidermal growth factor receptor pathway by ataxia telangiectasia-mutated kinase inhibition in non-small-cell lung cancer cells. 2016 , 107, 444-51	5
668	The biological effects and clinical implications of BRCA mutations: where do we go from here?. 2016 , 24 Suppl 1, S3-9	46
667	Robust reprogramming of Ataxia-Telangiectasia patient and carrier erythroid cells to induced pluripotent stem cells. 2016 , 17, 296-305	5
666	NOTCH1 Inhibits Activation of ATM by Impairing the Formation of an ATM-FOXO3a-KAT5/Tip60 Complex. 2016 , 16, 2068-2076	39
665	Cerebellar Ataxias and Related Conditions. 2016 , 685-698	

664	Ataxia telangiectasia: a review. 2016 , 11, 159	263
663	Catastrophic cliffs: a partial suggestion for selective vulnerability in neurodegenerative diseases. 2016 , 44, 659-61	8
662	ATM Mutations in Cancer: Therapeutic Implications. 2016 , 15, 1781-91	240
661	[The enigma of the biological interpretation of the linear-quadratic model finally resolved? A summary for non-mathematicians]. 2016 , 20, 314-21	1
660	Therapeutic targets and investigated treatments for Ataxia-Telangiectasia. 2016 , 4, 1263-1276	4
659	Discovery of Novel 3-Quinoline Carboxamides as Potent, Selective, and Orally Bioavailable Inhibitors of Ataxia Telangiectasia Mutated (ATM) Kinase. 2016 , 59, 6281-92	43
658	Health risks for ataxia-telangiectasia mutated heterozygotes: a systematic review, meta-analysis and evidence-based guideline. 2016 , 90, 105-17	103
657	Development of global rating instruments for pediatric patients with ataxia telangiectasia. 2016 , 20, 140-6	13
656	DNA-PK triggers histone ubiquitination and signaling in response to DNA double-strand breaks produced during the repair of transcription-blocking topoisomerase I lesions. 2016 , 44, 1161-78	36
655	Nonhomologous End-Joining. 2016 , 341-362	
654	Endocrine abnormalities in ataxia telangiectasia: findings from a national cohort. 2016 , 79, 889-94	48
653	Medical Management of Pediatric Malignant Bowel Obstruction in a Patient with Burkitt's Lymphoma and Ataxia Telangiectasia Using Continuous Ambulatory Drug Delivery System. 2016 , 30, 44-8	2
652	Serum Interleukin-6 Levels and Pulmonary Function in Ataxia-Telangiectasia. 2016 , 171, 256-61.e1	25
651	Breaking the DNA damage response to improve cervical cancer treatment. 2016 , 42, 30-40	41
651 650	Breaking the DNA damage response to improve cervical cancer treatment. 2016 , 42, 30-40 A homozygous mutation of VWA3B causes cerebellar ataxia with intellectual disability. 2016 , 87, 656-62	13
650	A homozygous mutation of VWA3B causes cerebellar ataxia with intellectual disability. 2016 , 87, 656-62	

646	Genome instability: Linking ageing and brain degeneration. 2017, 161, 4-18	11
645	Enforced DNA repair enzymes rescue neurons from apoptosis induced by target deprivation and axotomy in mouse models of neurodegeneration. 2017 , 161, 149-162	12
644	Identifying Novel Inborn Errors of the Immune System. 2017 ,	
643	Audiological findings in children with ataxia-telangiectasia (A-T) syndrome. 2017 , 92, 94-98	1
642	Ataxia-telangiectasia: Immunodeficiency and survival. 2017 , 178, 45-55	45
641	Pharmacologic ATM but not ATR kinase inhibition abrogates p21-dependent G1 arrest and promotes gastrointestinal syndrome after total body irradiation. 2017 , 7, 41892	11
640	Aspirin-Induced Chemoprevention and Response Kinetics Are Enhanced by PIK3CA Mutations in Colorectal Cancer Cells. 2017 , 10, 208-218	23
639	New diagnosis of atypical ataxia-telangiectasia in a 17-year-old boy with T-cell acute lymphoblastic leukemia and a novel ATM mutation. 2017 , 62, 581-584	9
638	Genetics of Reproductive Aging from Gonadal Dysgenesis through Menopause. 2017 , 35, 147-159	13
637	Systematic review of autosomal recessive ataxias and proposal for a classification. 2017 , 4, 3	42
636	Reappraisal to the study of 4E-BP1 as an mTOR substrate - A normative critique. 2017, 96, 325-336	18
635	Studies of ATM Kinase Activity Using Engineered ATM Sensitive to ATP Analogues (ATM-AS). 2017 , 1599, 145-156	3
634	Next Generation Sequencing Based Clinical Molecular Diagnosis of Human Genetic Disorders. 2017,	0
633	[Hereditary tumor syndromes in neuropathology]. 2017 , 38, 186-196	О
632	Assaying Radiosensitivity of Ataxia-Telangiectasia. 2017 , 1599, 1-11	5
631	DNA Damage Response in Human Stem Cells and Neural Descendants. 2017 , 1599, 375-390	6
630	Monitoring the ATM-Mediated DNA Damage Response in the Cerebellum Using Organotypic Cultures. 2017 , 1599, 419-430	1
629	The DNA Damage Response in Neurons: Die by Apoptosis or Survive in a Senescence-Like State?. 2017 , 60, S107-S131	56

628	ATM Kinase. 2017,	1
627	Rats with a missense mutation in Atm display neuroinflammation and neurodegeneration subsequent to accumulation of cytosolic DNA following unrepaired DNA damage. 2017 , 101, 927-947	23
626	Genetic Syndromes Associated with Central Nervous System Tumors. 2017, 37, 258-280	29
625	ATM, ATR, and DNA-PK: The Trinity at the Heart of the DNA Damage Response. 2017 , 66, 801-817	800
624	The DNA translocase RAD5A acts independently of the other main DNA repair pathways, and requires both its ATPase and RING domain for activity in Arabidopsis thaliana. 2017 , 91, 725-740	13
623	DNA Repair, Overview. 2017 , 693-705	
622	A new ataxia-telangiectasia mutation in an 11-year-old female. 2017 , 69, 415-419	4
621	Taming Tricky DSBs: ATM on duty. 2017 , 56, 84-91	25
620	A novel pathogenic variant in an Iranian Ataxia telangiectasia family revealed by next-generation sequencing followed by in silico analysis. 2017 , 379, 212-216	9
619	Germline variants in the ATM gene and breast cancer susceptibility in Moroccan women: A meta-analysis. 2017 , 18, 329-334	
618	TET3-mediated DNA oxidation promotes ATR-dependent DNA damage response. 2017 , 18, 781-796	35
617	Self-inflicted DNA double-strand breaks sustain tumorigenicity and stemness of cancer cells. 2017 , 27, 764-783	51
616	Introduction to Telomeres and Telomerase. 2017 , 1587, 1-13	
615	Aging impairs double-strand break repair by homologous recombination in Drosophila germ cells. 2017 , 16, 320-328	22
614	INPP5E Preserves Genomic Stability through Regulation of Mitosis. 2017, 37,	3
613	Genetic and Cellular Complexity of Brain Tumors. 2017 , 627-665	2
612	Ataxia telangiectasia syndrome: moonlighting ATM. 2017 , 13, 1155-1172	24
611	Rare germline variants in known melanoma susceptibility genes in familial melanoma. 2017 , 26, 4886-4895	22

610	Personalised Medicine: Genome Maintenance Lessons Learned from Studies in Yeast as a Model Organism. 2017 , 1007, 157-178	7
609	Approaches for Identifying Novel Targets in Precision Medicine: Lessons from DNA Repair. 2017 , 1007, 1-16	3
608	Molecular diversity of combined and complex dystonia: insights from diagnostic exome sequencing. 2017 , 18, 195-205	25
607	Genome maintenance functions of the INO80 chromatin remodeller. 2017 , 372,	20
606	LC-MS/MS assay for the quantitation of the ATR kinase inhibitor VX-970 in human plasma. 2017 , 146, 244-250	1
605	Evidence for the Deregulation of Protein Turnover Pathways in Atm-Deficient Mouse Cerebellum: An Organotypic Study. 2017 , 76, 578-584	7
604	ATM supports gammaherpesvirus replication by attenuating type I interferon pathway. 2017 , 510, 137-146	3
603	Neovascular glaucoma after proton beam therapy of choroidal melanoma: incidence and risk factors. 2017 , 255, 2263-2269	7
602	B Cell-Specific Expression of Ataxia-Telangiectasia Mutated Protein Kinase Promotes Chronic Gammaherpesvirus Infection. 2017 , 91,	6
601	Evaluation of ATM heterozygous mutations underlying individual differences in radiosensitivity using genome editing in human cultured cells. 2017 , 7, 5996	14
600	Genome integrity and disease prevention in the nervous system. 2017, 31, 1180-1194	74
599	Telangiectasias: Small lesions referring to serious disorders. 2017 , 21, 807-815	4
598	Comparing ataxias with oculomotor apraxia: a multimodal study of AOA1, AOA2 and AT focusing on video-oculography and alpha-fetoprotein. 2017 , 7, 15284	16
597	Monogenic Diseases of DNA Repair. 2017 , 377, 1868-1876	33
596	ATM, radiation, and the risk of second primary breast cancer. 2017 , 93, 1121-1127	23
595	Cerebellar Ataxia. 2017 , 1-33	
594	Ovary as a Biomarker of Health and Longevity: Insights from Genetics. 2017 , 35, 231-240	8
593	Association of breast cancer risk in BRCA1 and BRCA2 mutation carriers with genetic variants showing differential allelic expression: identification of a modifier of breast cancer risk at locus 11q22.3. 2017 , 161, 117-134	15

592	hiPSC Disease Modeling of Rare Hereditary Cerebellar Ataxias: Opportunities and Future Challenges. 2017 , 23, 554-566	4
591	Molecular and Functional Characterization of a Cohort of Spanish Patients with Ataxia-Telangiectasia. 2017 , 19, 161-174	15
590	Biomarker Studies in Early Detection and Prognosis of Breast Cancer. 2017 , 1026, 27-39	31
589	Ataxia-Telangiectasia Mutated Modulation of Carbon Metabolism in Cancer. 2017 , 7, 291	18
588	Polymorphism rs189037C´>´T in the promoter region of the ATM gene may associate with reduced risk of T2DM in older adults in China: a case control study. 2017 , 18, 84	3
587	Is age a risk factor for liver disease and metabolic alterations in ataxia Telangiectasia patients?. 2017 , 12, 136	18
586	[New mutation in ATM gen in patient whith Ataxia Telangiectasia: Clinical case]. 2017, 88, 524-528	2
585	A Rare Case of Ataxia Telangiectasia in Malaysia. 2017 , 16, 154-156	1
584	Taking a Bad Turn: Compromised DNA Damage Response in Leukemia. 2017 , 6,	11
583	Modulation of proteostasis counteracts oxidative stress and affects DNA base excision repair capacity in ATM-deficient cells. 2017 , 45, 10042-10055	9
582	Super-resolution imaging identifies PARP1 and the Ku complex acting as DNA double-strand break sensors. 2018 , 46, 3446-3457	46
581	Atm reactivation reverses ataxia telangiectasia phenotypes in vivo. 2018 , 9, 314	6
580	Efficacy of Exome-Targeted Capture Sequencing to Detect Mutations in Known Cerebellar Ataxia Genes. 2018 , 75, 591-599	58
579	Implication of the VRK1 chromatin kinase in the signaling responses to DNA damage: a therapeutic target?. 2018 , 75, 2375-2388	20
578	Ataxia-Telangiectasia Clinical and Laboratory Features: Single Center Results. 2018, 31, 9-14	2
577	The role of DNA-PK in aging and energy metabolism. 2018 , 285, 1959-1972	22
576	The association of single nucleotide polymorphism rs189037C>T in ATM gene with coronary artery disease in Chinese Han populations: A case control study. 2018 , 97, e9747	5

574	Encyclopedia of Signaling Molecules. 2018 , 648-648	
573	Encyclopedia of Signaling Molecules. 2018 , 678-678	
572	Encyclopedia of Signaling Molecules. 2018 , 1254-1254	
571	Encyclopedia of Signaling Molecules. 2018 , 962-967	
570	Ataxia-telangiectasia: A review of movement disorders, clinical features, and genotype correlations. 2018 , 33, 1238-1247	62
569	Telangiectasias in Ataxia Telangiectasia: Clinical significance, role of ATM deficiency and potential pathophysiological mechanisms. 2018 , 61, 284-287	5
568	Perturbed autophagy and DNA repair converge to promote neurodegeneration in amyotrophic lateral sclerosis and dementia. 2018 , 141, 1247-1262	25
567	Exploration of genetic basis underlying individual differences in radiosensitivity within human populations using genome editing technology. 2018 , 59, ii75-ii82	7
566	Neurodegeneration in ataxia-telangiectasia: Multiple roles of ATM kinase in cellular homeostasis. 2018 , 247, 33-46	45
565	Ataxia-Telangiectasia, Louis-Bar Syndrome. 2018 , 399-401	
565 564	Ataxia-Telangiectasia, Louis-Bar Syndrome. 2018, 399-401 Ataxia Telangiectasia Gene Mutation in Isolated Segmental Dystonia Without Ataxia and Telangiectasia. 2018, 5, 89-91	9
	Ataxia Telangiectasia Gene Mutation in Isolated Segmental Dystonia Without Ataxia and	9
564	Ataxia Telangiectasia Gene Mutation in Isolated Segmental Dystonia Without Ataxia and Telangiectasia. 2018 , 5, 89-91	
564	Ataxia Telangiectasia Gene Mutation in Isolated Segmental Dystonia Without Ataxia and Telangiectasia. 2018, 5, 89-91 Identification of ATIC as a Novel Target for Chemoradiosensitization. 2018, 100, 162-173 A Study of the Pharmacokinetic Properties and the In Vivo Kinetics of Erythrocytes Loaded With	14
564 563 562	Ataxia Telangiectasia Gene Mutation in Isolated Segmental Dystonia Without Ataxia and Telangiectasia. 2018, 5, 89-91 Identification of ATIC as a Novel Target for Chemoradiosensitization. 2018, 100, 162-173 A Study of the Pharmacokinetic Properties and the In Vivo Kinetics of Erythrocytes Loaded With Dexamethasone Sodium Phosphate in Healthy Volunteers. 2018, 32, 102-110	14 15
564 563 562 561	Ataxia Telangiectasia Gene Mutation in Isolated Segmental Dystonia Without Ataxia and Telangiectasia. 2018, 5, 89-91 Identification of ATIC as a Novel Target for Chemoradiosensitization. 2018, 100, 162-173 A Study of the Pharmacokinetic Properties and the In Vivo Kinetics of Erythrocytes Loaded With Dexamethasone Sodium Phosphate in Healthy Volunteers. 2018, 32, 102-110 Long-term nutritional and gastrointestinal aspects in patients with ataxia telangiectasia. 2018, 46, 48-52	14 15 7 21
564 563 562 561 560	Ataxia Telangiectasia Gene Mutation in Isolated Segmental Dystonia Without Ataxia and Telangiectasia. 2018, 5, 89-91 Identification of ATIC as a Novel Target for Chemoradiosensitization. 2018, 100, 162-173 A Study of the Pharmacokinetic Properties and the In Vivo Kinetics of Erythrocytes Loaded With Dexamethasone Sodium Phosphate in Healthy Volunteers. 2018, 32, 102-110 Long-term nutritional and gastrointestinal aspects in patients with ataxia telangiectasia. 2018, 46, 48-52 More than ataxia - Movement disorders in ataxia-telangiectasia. 2018, 46, 3-8	14 15 7 21

556	Reconstitution of the Ataxia-Telangiectasia Cellular Phenotype With Lentiviral Vectors. 2018, 9, 2703	8
555	The Rare Neurocutaneous Disorders: Update on Clinical, Molecular, and Neuroimaging Features. 2018 , 27, 433-462	10
554	Association between ATM rs1801516 polymorphism and cancer susceptibility: a meta-analysis involving 12,879 cases and 18,054 controls. 2018 , 18, 1060	5
553	Identification and characterization of a novel nuclear structure containing members of the homologous recombination and DNA damage response pathways. 2018 , 228-229, 98-109	4
552	Ionizing Radiation as a Carcinogen. 2018 , 183-225	1
551	Ataxia telangiectasia alters the ApoB and reelin pathway. 2018 , 19, 237-255	6
550	Malignant Peritoneal Mesothelioma in an Infant With Familial ATM Mutations. 2018, 40, e511-e515	5
549	The genetic nomenclature of recessive cerebellar ataxias. 2018 , 33, 1056-1076	40
548	Established and Emerging Roles of the DNA-Dependent Protein Kinase Catalytic Subunit (DNA-PKcs). 2018 , 315-338	0
547	ATM: Its Recruitment, Activation, Signalling and Contribution to Tumour Suppression. 2018 , 129-154	
546	Pre-clinical Profile and Expectations for Pharmacological ATM Inhibition. 2018, 155-183	
545	Control of meiotic double-strand-break formation by ATM: local and global views. 2018 , 17, 1155-1172	19
544	The Role for the DSB Response Pathway in Regulating Chromosome Translocations. 2018, 1044, 65-87	7
543	Modulation of chromatin conformation by the histone deacetylase inhibitor trichostatin A promotes the removal of radiation-induced lesions in ataxia telangiectasia cell lines. 2018 , 836, 109-116	2
542	Molecular and Clinical Insights into the Role and Significance of Mutated DNA Repair Genes in Bladder Cancer. 2018 , 4, 9-18	11
541	Chromosome Translocation. 2018,	O
540	Denise Louis-Bar: The eponymous woman of Louis-Bar syndrome. 2018 , 91, 175-179	2
539	Reactive oxygen species in haematopoiesis: leukaemic cells take a walk on the wild side. 2018 , 37, 125	53

538	Discovery of a Series of 3-Cinnoline Carboxamides as Orally Bioavailable, Highly Potent, and Selective ATM Inhibitors. 2018 , 9, 809-814	11
537	Assessing cardiovascular risk in ATM heterozygotes. 2018 , 64, 148-153	1
536	Retrotransposon-induced mosaicism in the neural genome. 2018 , 8,	40
535	Mesenchymal cell differentiation and diseases: involvement of translin/TRAX complexes and associated proteins. 2018 , 1421, 37-45	3
534	Secondary enuresis and urological manifestations in children with ataxia telangiectasia. 2018, 22, 1118-1123	1
533	Cerebellar Ataxia in Children: A Clinical and MRI Approach to the Differential Diagnosis. 2018, 27, 275-302	5
532	B-cell subsets imbalance and reduced expression of CD40 in ataxia-telangiectasia patients. 2018 , 46, 438-446	4
531	Genetic Syndromes and Aging. 2019 , 211-239	
530	Progress and prospects for treating ataxia telangiectasia. 2019 , 7, 233-251	4
529	DNA repair and neurological disease: From molecular understanding to the development of diagnostics and model organisms. 2019 , 81, 102669	16
528	Phenome-wide Burden of Copy-Number Variation in the UK Biobank. 2019 , 105, 373-383	18
527	Novel homozygous ataxia-telangiectasia (A-T) mutated gene mutation identified in a Chinese pedigree with A-T. 2019 , 20, 1655-1662	2
526	The Classification of Autosomal Recessive Cerebellar Ataxias: a Consensus Statement from the Society for Research on the Cerebellum and Ataxias Task Force. 2019 , 18, 1098-1125	53
525	Genes That Can Cause Cancer. 2019 ,	Ο
524	Diversity of ATM gene variants: a population-based genome data analysis for precision medicine. 2019 , 13, 38	3
523	Nomenclature of Genetically Determined Myoclonus Syndromes: Recommendations of the International Parkinson and Movement Disorder Society Task Force. 2019 , 34, 1602-1613	12
522	ATM Dysfunction in Pancreatic Adenocarcinoma and Associated Therapeutic Implications. 2019 , 18, 1899-190	828
521	DNA damage kinase signaling: checkpoint and repair at 30 years. 2019 , 38, e101801	87

520	An update on genetic risk assessment and prevention: the role of genetic testing panels in breast cancer. 2019 , 19, 787-801	9
519	Dual Processing of R-Loops and Topoisomerase I Induces Transcription-Dependent DNA Double-Strand Breaks. 2019 , 28, 3167-3181.e6	53
518	Epstein-Barr Virus (EBV)-Related Lymphoproliferative Disorders in Ataxia Telangiectasia: Does ATM Regulate EBV Life Cycle?. 2018 , 9, 3060	8
517	Telomere Biology and Human Phenotype. 2019 , 8,	113
516	Bioinformatics-Based Identification of Expanded Repeats: A Non-reference Intronic Pentamer Expansion in RFC1 Causes CANVAS. 2019 , 105, 151-165	80
515	Identification of differentially expressed genes in small and non-small cell lung cancer based on meta-analysis of mRNA. 2019 , 5, e01707	14
514	A rare case of marginal zone lymphoma in a 15-year old ataxia telangiectasia patient with massive bone marrow involvement and a challenging nodal diagnosis. 2019 , 15, 44-49	
513	Activation of NRF2 by dexamethasone in ataxia telangiectasia cells involves KEAP1 inhibition but not the inhibition of p38. 2019 , 14, e0216668	3
512	Alterations in epigenetic regulation contribute to neurodegeneration of ataxia-telangiectasia. 2019 , 119-133	
511	Expression Signatures of Cisplatin- and Trametinib-Treated Early-Stage Medaka Melanomas. 2019 , 9, 2267-2276	5
510	DNA double-strand break repair pathway choice - from basic biology to clinical exploitation. 2019 , 18, 1423-1434	12
509	PGC-1∏Sirtuins and PARPs in Huntington's Disease and Other Neurodegenerative Conditions: NAD+ to Rule Them All. 2019 , 44, 2423-2434	16
508	DNA Damage and Cytokine Production in Non-Target Irradiated Lymphocytes. 2019 , 191, 545-555	3
507	Structural basis of allosteric regulation of Tel1/ATM kinase. 2019 , 29, 655-665	15
506	Functional classification of ATM variants in ataxia-telangiectasia patients. 2019, 40, 1713-1730	17
505	TRIM29 facilitates the epithelial-to-mesenchymal transition and the progression of colorectal cancer via the activation of the Wnt/Ecatenin signaling pathway. 2019 , 38, 104	31
504	Genotype-phenotype correlations in ataxia telangiectasia patients with c.3576G>A and c.8147T>C mutations. 2019 , 56, 308-316	22
503	Genetic mimics of cerebral palsy. 2019 , 34, 625-636	44

502	Recent advances of therapeutic targets based on the molecular signature in breast cancer: genetic mutations and implications for current treatment paradigms. 2019 , 12, 38	38
501	[Hereditary predisposition to breast cancer (1): genetics]. 2019 , 35, 138-151	1
500	Breast cancer genetic susceptibility: With focus in Saudi Arabia. 2019 , 5, 6-12	5
499	Atrophy, oxidative switching and ultrastructural defects in skeletal muscle of the ataxia telangiectasia mouse model. 2019 , 132,	4
498	Clinical Ophthalmic Oncology. 2019 ,	2
497	Identifying sequence variants contributing to hereditary breast and ovarian cancer in BRCA1 and BRCA2 negative breast and ovarian cancer patients. 2019 , 9, 19986	5
496	Fanconi Anemia and Ataxia Telangiectasia in Siblings who Inherited Unique Combinations of Novel FANCA and ATM Null Mutations. 2019 , 41, 243-246	2
495	Vascular Malformations. 2019 , 1399-1424	2
494	Immunodeficiency Syndromes. 2019 , 2028-2066	
493	Molecular biomarkers of DNA damage in diffuse large-cell lymphomal review. 2019, 4, 5-5	3
492	Single Molecule Molecular Inversion Probes for High Throughput Germline Screenings in Dystonia. 2019 , 10, 1332	1
491	Anti-Tumor Effect of Inhibition of DNA Damage Response Proteins, ATM and ATR, in Endometrial Cancer Cells. 2019 , 11,	13
490	DNA Repair Disorders. 2019 ,	1
489	Ataxia-Telangiectasia and Nijmegen Breakage Syndrome. 2019 , 191-201	3
488	Identifying breast cancer susceptibility genes - a review of the genetic background in familial breast cancer. 2019 , 58, 135-146	35
487	A historical reflection on our understanding of radiation-induced DNA double strand break repair in	21
	somatic mammalian cells; interfacing the past with the present. 2019 , 95, 945-956	
486	Somatic and germline genomics in paediatric acute lymphoblastic leukaemia. 2019 , 16, 227-240	75

484	Past and Present of Eye Movement Abnormalities in Ataxia-Telangiectasia. 2019 , 18, 556-564	6
483	Trajectories of motor abnormalities in milder phenotypes of ataxia telangiectasia. 2019 , 92, e19-e29	6
482	Redox Mechanisms in Neurodegeneration: From Disease Outcomes to Therapeutic Opportunities. 2019 , 30, 1450-1499	50
481	Epithelial ovarian cancer risk: A review of the current genetic landscape. 2020 , 97, 54-63	18
480	ATM, DNA-PKcs and ATR: shaping development through the regulation of the DNA damage responses. 2020 , 1, 47-68	8
479	Ataxia-telangiectasia mutated coordinates the ovarian DNA repair and atresia-initiating response to phosphoramide mustard. 2020 , 102, 248-260	O
478	Nonneoplastic Diseases of the Testis. 2020 , 549-730.e81	1
477	Regulation of DNA damage-induced ATM activation by histone modifications. 2020 , 1, 20-33	3
476	ATM activity in T cells is critical for immune surveillance of lymphoma in vivo. 2020, 34, 771-786	8
475	Functional parameter measurements in children with ataxia telangiectasia. 2020 , 62, 207-213	4
474	Functional interplay between the oxidative stress response and DNA damage checkpoint signaling for genome maintenance in aerobic organisms. 2020 , 58, 81-91	6
473	Near-Complete Structure and Model of Tel1ATM from Chaetomium thermophilum Reveals a Robust Autoinhibited ATP State. 2020 , 28, 83-95.e5	17
472	Classic ataxia-telangiectasia: the phenotype of long-term survivors. 2020 , 267, 830-837	5
471	Higher Incidence of B Cell Malignancies in Primary Immunodeficiencies: A Combination of Intrinsic Genomic Instability and Exocytosis Defects at the Immunological Synapse. 2020 , 11, 581119	4
470	Autosomal Recessive Cerebellar Ataxias With Elevated Alpha-Fetoprotein: Uncommon Diseases, Common Biomarker. 2020 , 35, 2139-2149	5
469	Histone Acetyltransferase MOF Orchestrates Outcomes at the Crossroad of Oncogenesis, DNA Damage Response, Proliferation, and Stem Cell Development. 2020 , 40,	12
468	DNA Repair Syndromes and Cancer: Insights Into Genetics and Phenotype Patterns. 2020 , 8, 570084	15
467	The role of microbial pathogens in cancer development: a potential guide to anticancer drugs. 2020 , 469-492	1

(2020-2020)

466	The Intersection of DNA Damage Response and Ferroptosis-A Rationale for Combination Therapeutics. 2020 , 9,	8
465	Follicular Lymphoma and Mantle Cell Lymphoma. 2020 ,	
464	Treating Senescence like Cancer: Novel Perspectives in Senotherapy of Chronic Diseases. 2020 , 21,	4
463	The cerebellar degeneration in ataxia-telangiectasia: A case for genome instability. 2020 , 95, 102950	12
462	ATM Protein Kinase: Old and New Implications in Neuronal Pathways and Brain Circuitry. 2020, 9,	7
461	SATMF Suppresses the Premature Senescence Phenotype of the ATM Loss-of-Function Mutant and Improves Its Fertility in. 2020 , 21,	2
460	Inhibition of Estrogen Sulfotransferase (/EST) Ameliorates Ischemic Acute Kidney Injury in Mice. 2020 , 31, 1496-1508	4
459	In Genetic Disorders, One Size Does Not Fit All. 2020 , 108, 185-186	O
458	OsATM Safeguards Accurate Repair of Meiotic Double-Strand Breaks in Rice. 2020 , 183, 1047-1057	4
457	The FANC/BRCA Pathway Releases Replication Blockades by Eliminating DNA Interstrand Cross-Links. 2020 , 11,	14
456	Immune competence and respiratory symptoms in patients with ataxia telangiectasia: A prospective follow-up study. 2020 , 217, 108491	2
456 455		2
	prospective follow-up study. 2020 , 217, 108491	
455	prospective follow-up study. 2020 , 217, 108491 STK38 promotes ATM activation by acting as a reader of histone H4 ufmylation. 2020 , 6, eaax8214	13
455 454	prospective follow-up study. 2020, 217, 108491 STK38 promotes ATM activation by acting as a reader of histone H4 ufmylation. 2020, 6, eaax8214 Clinical potential of ATM inhibitors. 2020, 821, 111695 ATM suppresses leaf senescence triggered by DNA double-strand break through epigenetic control	13
455 454 453	STK38 promotes ATM activation by acting as a reader of histone H4 ufmylation. 2020, 6, eaax8214 Clinical potential of ATM inhibitors. 2020, 821, 111695 ATM suppresses leaf senescence triggered by DNA double-strand break through epigenetic control of senescence-associated genes in Arabidopsis. 2020, 227, 473-484	13 14 12
455 454 453 452	STK38 promotes ATM activation by acting as a reader of histone H4 ufmylation. 2020, 6, eaax8214 Clinical potential of ATM inhibitors. 2020, 821, 111695 ATM suppresses leaf senescence triggered by DNA double-strand break through epigenetic control of senescence-associated genes in Arabidopsis. 2020, 227, 473-484 Limited MOMP, ATM, and their roles in carcinogenesis and cancer treatment. 2020, 10, 81	13 14 12

448	The ZGRF1 Helicase Promotes Recombinational Repair of Replication-Blocking DNA Damage in Human Cells. 2020 , 32, 107849	2
447	DNA stability defects. 2020 , 281-318	1
446	ATM Paradoxically Promotes Oncogenic Transformation via Transcriptional Reprogramming. 2020 , 80, 1669-1680	4
445	Genetic Predisposition to Breast and Ovarian Cancers: How Many and Which Genes to Test?. 2020 , 21,	20
444	High risk of breast cancer in women with biallelic pathogenic variants in CHEK2. 2020 , 180, 503-509	11
443	ATM, ATR and DNA-PKcs kinases-the lessons from the mouse models: inhibition □deletion. 2020 , 10, 8	61
442	Breast cancer screening implications of risk modeling among female relatives of ATM and CHEK2 carriers. 2020 , 126, 1651-1655	4
441	Exome Sequencing Analysis Identifies Rare Variants in and That Are Associated With Shorter Telomere Length. 2020 , 11, 337	1
440	DNA damage response signaling pathways and targets for radiotherapy sensitization in cancer. 2020 , 5, 60	157
439	High pATM is Associated With Poor Local Control in Supraglottic Cancer Treated With Radiotherapy. 2020 , 130, 1954-1960	1
438	Identifying the Radioresponsive Genome for Genomics-Guided Radiotherapy. 2021 , 113, 223-224	2
437	Reality CHEK: Understanding the biology and clinical potential of CHK1. 2021 , 497, 202-211	22
436	Structural basis of the (in)activity of the apical DNA damage response kinases ATM, ATR and DNA-PKcs. 2021 , 163, 120-129	3
435	A Collaborative Effort to Define Classification Criteria for ATM Variants in Hereditary Cancer Patients. 2021 , 67, 518-533	1
434	Premature aging disorders: A clinical and genetic compendium. 2021 , 99, 3-28	8
433	Myelin pathology in ataxia-telangiectasia is the cell-intrinsic consequence of ATM deficiency in the oligodendrocytes.	O
432	Clinical Characteristics of Patients With Pancreatic Cancer and Pathogenic Alterations. 2021 , 5, pkaa121	5
431	Analysis of chromosomal aberrations and <code>H2A.X</code> foci to identify radiation-sensitive ataxia-telangiectasia patients. 2021 , 861-862, 503301	4

430	ATDC binds to KEAP1 to drive NRF2-mediated tumorigenesis and chemoresistance in pancreatic cancer. 2021 , 35, 218-233	8
429	An RNAi screen of the kinome in epithelial follicle cells of the Drosophila melanogaster ovary reveals genes required for proper germline death and clearance. 2021 , 11,	2
428	First radiobiological characterization of the McCune-Albright syndrome: influence of the ATM protein and effect of statins + bisphosphonates treatment. 2021 , 97, 317-328	3
427	Clinical overview and phenomenology of movement disorders. 2021 , 1-51.e27	O
426	Malignancies in Cellular Immunodeficiencies. 2021 , 361-389	
425	ATM controls meiotic DNA double-strand break formation and recombination and affects synaptonemal complex organization in plants. 2021 , 33, 1633-1656	17
424	Polymorphism of TGF-II, T-53, CHEK2, ATM genes III chromosomal aberrations in workers at coal thermal electric power station. 2021 , 100, 42-48	0
423	The role of biomarkers in the early diagnostics of breast cancer. 2021 , 16, 35-40	1
422	Phosphoproteomics reveals a distinctive Mec1/ATR signaling response upon DNA end hyper-resection. 2021 , 40, e104566	6
421	Evidence for pathogenicity of variant ATM Val1729Leu in a family with ataxia telangiectasia. 2021 , 22, 143-147	1
420	Implications of the germline variants of DNA damage response genes detected by cancer precision medicine for radiological risk communication and cancer therapy decisions. 2021 , 62, i44-i52	2
419	Prenatal Diagnosis of Primary Immunodeficiency Diseases. 2021 , 982-1001	
418	Senataxin: A New Guardian of the Female Germline Important for Delaying Ovarian Aging. 2021 , 12, 647996	О
417	The ATM Gene in Breast Cancer: Its Relevance in Clinical Practice. 2021 , 12,	3
416	ATM: Main Features, Signaling Pathways, and Its Diverse Roles in DNA Damage Response, Tumor Suppression, and Cancer Development. 2021 , 12,	5
415	Phenotypic variability in patients with unique double homozygous mutations causing variant ataxia telangiectasia. 2021 , 32, 36-39	2
414	Acceleration or Brakes: Which Is Rational for Cell Cycle-Targeting Neuroblastoma Therapy?. 2021 , 11,	3
413	Germline risk of clonal haematopoiesis. 2021 , 22, 603-617	11

412	Neurofilament light chain: A novel blood biomarker in patients with ataxia telangiectasia. 2021 , 32, 93-97	4
411	Persistent DNA damage promotes microglial dysfunction in Ataxia-telangiectasia.	
410	Effectiveness of Physical Therapy on Ataxia-Telangiectasia: A Case Report. 2021 , 33, E103-E107	1
409	Robust proportional overlapping analysis for feature selection in binary classification within functional genomic experiments. 2021 , 7, e562	2
408	Multidisciplinary Management of Ataxia Telangiectasia: Current Perspectives. 2021 , 14, 1637-1644	4
407	First international workshop of the ATM and cancer risk group (4-5 December 2019). 2021 , 1	5
406	Survival and Functional Immune Reconstitution After Haploidentical Stem Cell Transplantation in -Deficient Mice. 2021 , 12, 693897	
405	The activation mechanisms of master kinases in the DNA damage response. 2021 , 2, 211-224	Ο
404	Causal and Candidate Gene Variants in a Large Cohort of Women with Primary Ovarian Insufficiency.	
403	History of the methodology of disease gene identification. 2021 , 185, 3266-3275	3
402	Genes affecting ionizing radiation survival identified through combined exome sequencing and functional screening. 2021 , 42, 1124-1138	
401	DNA-Dependent Protein Kinase Catalytic Subunit: The Sensor for DNA Double-Strand Breaks Structurally and Functionally Related to Ataxia Telangiectasia Mutated. 2021 , 12,	O
400	Milestones in genetics of cerebellar ataxias. 2021 , 22, 225-234	2
399	Human Radiosensitivity and Radiosusceptibility: What Are the Differences?. 2021, 22,	5
398	DNA damage response and repair in pancreatic cancer development and therapy. 2021 , 103, 103116	2
397	The genetic association of the transcription factor NPAT with glycemic response to metformin involves regulation of fuel selection. 2021 , 16, e0253533	
397 396		

394	Space Radiation Protection Countermeasures in Microgravity and Planetary Exploration. 2021, 11,	O
393	Premature ovarian insufficiency: Genetic causes and treatment options. A literature review. 2021 , 70, 75-91	
392	The Intersection Between Cerebellar Ataxia and Neuropathy: a Proposed Classification and a Diagnostic Approach. 2021 , 1	1
391	ATM's Role in the Repair of DNA Double-Strand Breaks. 2021 , 12,	7
390	Spectrum of hematological malignancies, clonal evolution and outcomes in 144 Mayo Clinic patients with germline predisposition syndromes. 2021 , 96, 1450-1460	1
389	The incidence and type of cancer in patients with ataxia-telangiectasia via a retrospective single-centre study. 2021 , 194, 879-887	3
388	Nicotinamide Riboside Improves Ataxia Scores and Immunoglobulin Levels in Ataxia Telangiectasia. 2021 ,	1
387	Synergistic Interactions of Cannabidiol with Chemotherapeutic Drugs in MCF7 Cells: Mode of Interaction and Proteomics Analysis of Mechanisms. 2021 , 22,	5
386	The prevalence of ataxia telangiectasia mutated (ATM) variants in patients with breast cancer patients: a systematic review and meta-analysis. 2021 , 21, 474	1
385	Autosomal recessive adult´onset ataxia. 2021 , 1	O
384	NAD augmentation with nicotinamide riboside improves lymphoid potential of Atm and old mice HSCs. 2021 , 7, 25	4
383	Single-nucleus transcriptomic analyses reveal microglial activation underlying cerebellar degeneration in Ataxia Telangiectasia.	1
382	Cancer in Children With Fanconi Anemia and Ataxia-Telangiectasia-A Nationwide Register-Based Cohort Study in Germany. 2021 , JCO2101495	5
381	Role of histone acetyltransferases MOF and Tip60 in genome stability. 2021 , 107, 103205	2
380	Abnormal Saccades Differentiate Adolescent Onset Variant Ataxia Telangiectasia from Other Myoclonus Dystonia. 2021 , 24, 630-632	1
379	Dysarthria in children and adults with ataxia telangiectasia. 2021 , 63, 450-456	5
378	The association between ATM variants and risk of breast cancer: a systematic review and meta-analysis. 2021 , 21, 27	6
377	ATM at the crossroads of reactive oxygen species and autophagy. 2021 , 17, 3080-3090	5

376	Impaired endoplasmic reticulum-mitochondrial signaling in ataxia-telangiectasia. 2021 , 24, 101972	5
375	The Neonate. 1-85	6
374	Hereditary breast cancer. 1997 , 84, 1334-1339	20
373	Atm and cellular response to DNA damage. 2005 , 570, 457-76	20
372	Cell Cycle Control in Pancreatic Cancer Pathogenesis. 2010 , 333-367	1
371	20 Years of DNA Damage Signaling to p53. 2007 , 53-71	1
370	Identification of Genetic Risk Factors for Prostate Cancer: Analytic Approaches Using Hereditary Prostate Cancer Families. 2010 , 203-228	5
369	Genetics and Epigenetics of Head and Neck Cancer. 2011 , 93-106	1
368	DNA Repair and Neurological Diseases. 1999 , 249-274	1
367	Inhibition of DNA Synthesis by Ionizing Radiation. 1999 , 535-542	2
366	Hereditary gynecologic cancer. 1998 , 95, 1-102	2
365	Immunodeficiency states and related malignancies. 1997 , 92, 39-61	14
364	Familial cancer syndromes and genetic counseling. 1997 , 92, 63-97	5
363	DNA damage checkpoints: implications for cancer therapy. 1996 , 2, 165-73	46
362	Radiation-induced bone and soft tissue sarcomas: clinical aspects and molecular biology. 1997 , 91, 143-55	5
361	Radiation-induced endocrine tumors. 1997 , 89, 141-61	10
360	Cell Cycle Control and Mitosis. 2000 , 92-107	9
359	Cell Cycle Checkpoints and Cancer Chemotherapy. 1996 , 293-301	1

358	Malignant disease and variations in radiosensitivity in ataxia telangiectasia patients. 1996 , 138-151	6
357	Modeling the study of DNA damage responses in mice. 2015 , 1267, 413-37	8
356	ATM Kinase Inhibitors: HTS Cellular Imaging Assay Using Cellomics[ArrayScan VTI Platform. 2017 , 1599, 57-70	2
355	The Role of Genomic Instability in the Development of Human Cancer. 2002 , 115-142	5
354	Chromosomes and Chromosomal Instability in Human Cancer. 2002 , 143-158	2
353	Molecular Biology of Chronic Lymphocytic Leukemia. 2004 , 77-94	1
352	Posttranslational Mechanisms Leading to Mammalian Gene Activation in Response to Genotoxic Stress. 1998 , 263-298	3
351	Mechanisms for DNA Double-Strand Break Repair in Eukaryotes. 1998 , 299-316	2
350	The Role of Tumor Suppressor Genes in Breast Cancer Progression. 1999 , 119-132	1
349	Diagnosis of Ataxia-Telangiectasia. 2004 , 473-487	2
348	Regulation of p53 Activity and Associated Checkpoint Controls. 2010, 171-188	1
348	Regulation of p53 Activity and Associated Checkpoint Controls. 2010 , 171-188 Introduction to telomeres and telomerase. 2011 , 735, 1-11	5
347	Introduction to telomeres and telomerase. 2011 , 735, 1-11	5
347	Introduction to telomeres and telomerase. 2011 , 735, 1-11 Molecular diagnosis of genodermatoses. 2013 , 961, 33-96	2
347 346 345	Introduction to telomeres and telomerase. 2011, 735, 1-11 Molecular diagnosis of genodermatoses. 2013, 961, 33-96 Signaling events controlling the molecular response to genotoxic stress. 1996, 77, 273-88	5 2 40
347 346 345	Introduction to telomeres and telomerase. 2011, 735, 1-11 Molecular diagnosis of genodermatoses. 2013, 961, 33-96 Signaling events controlling the molecular response to genotoxic stress. 1996, 77, 273-88 Mammalian DNA repair responses and genomic instability. 1996, 77, 289-305	5 2 40

340	Mechanisms of Stem Cell Ageing. 2008 , 111-140	6
339	The cell cycle and V(D)J recombination. 1996 , 217, 45-59	49
338	The DNA-activated protein kinase DNA-PK. 1996 , 217, 91-111	84
337	ChromosomeninstabilitEssyndrome. 2003 , 3-38	1
336	Diagnosis of Chromosomal Instability Syndromes. 1999 , 251-268	2
335	Chromosome instability syndromes: lessons for carcinogenesis. 1997 , 221, 71-148	53
334	Apoptosis: molecular regulation of cell death. 1996 , 19-44	3
333	Diseases Caused by Environmental Exposure or Trauma. 2000 , 521-569	3
332	Mutation: Spontaneous Mutation in Germ Cells. 1997 , 385-430	11
331	ATM: from phenotype to functional genomicsand back. 2002 , 51-70	5
330	Genetic Aspects of Vascular Malformations. 2009 , 99-108	1
329	DNA Damage Sensing and Signaling. 2009 , 1-24	1
328	DNA damage response and repair pathway modulation by non-histone protein methylation: implications in neurodegeneration. 2020 , 14, 31-45	5
327	Neurodegenerative Diseases and the Aging Brain. 2018 , 509-526	1
326	Non-neoplastic diseases of the testis. 2008 , 614-755	8
325	Zebrafish as Aging Models. 2006 , 317-338	2
324	Ataxia-Telangiectasia. 2003 , 195-203	2
323	Breast Cancer Genetics. 2009 , 371-415	1

322	Familial Tumors (Neurocutaneous Syndromes). 2011 , 2128-2135	1
321	Disorders of the Cerebellum, Including the Degenerative Ataxias. 2012 , 1802-1823	1
320	Transgenic mouse models for tumor suppressor genes. 1998 , 22, 75-86	7
319	ATM-dependent expression of the insulin-like growth factor-I receptor in a pathway regulating radiation response. 2001 , 98, 1676-81	66
318	Abnormal development of Purkinje cells and lymphocytes in Atm mutant mice. 2000, 97, 3336-41	100
317	Characterization and cell cycle regulation of the related human telomeric proteins Pin2 and TRF1 suggest a role in mitosis. 1997 , 94, 13618-23	58
316	Autosomal Recessive Cerebellar Ataxia with Oculomotor Apraxia (Ataxia-Telangiectasiallike Syndrome) Is Linked to Chromosome 9q34. 2000 , 67, 1320-1326	87
315	A genetic pathway conferring life extension and resistance to UV stress in Caenorhabditis elegans. 1996 , 143, 1207-18	305
314	RAD9, RAD17, and RAD24 are required for S phase regulation in Saccharomyces cerevisiae in response to DNA damage. 1997 , 145, 45-62	159
313	Damage control: the pleiotropy of DNA repair genes in Drosophila melanogaster. 1998 , 148, 1587-98	39
312	Sum1, a highly conserved WD-repeat protein, suppresses S-M checkpoint mutants and inhibits the osmotic stress cell cycle response in fission yeast. 1998 , 148, 1731-42	33
311	The Schizosaccharomyces pombe S-phase checkpoint differentiates between different types of DNA damage. 1998 , 149, 1729-37	55
310	Telomere loss in somatic cells of Drosophila causes cell cycle arrest and apoptosis. 1999 , 151, 1041-51	39
309	Genetic control of telomere integrity in Schizosaccharomyces pombe: rad3(+) and tel1(+) are parts of two regulatory networks independent of the downstream protein kinases chk1(+) and cds1(+). 1999 , 152, 1501-12	54
308	A requirement for recombinational repair in Saccharomyces cerevisiae is caused by DNA replication defects of mec1 mutants. 1999 , 153, 595-605	52
307	The Aspergillus nidulans uvsB gene encodes an ATM-related kinase required for multiple facets of the DNA damage response. 2000 , 154, 1577-86	33
306	Checkpoint proteins influence telomeric silencing and length maintenance in budding yeast. 2000 , 155, 1577-91	60
305	The Aspergillus nidulans musN gene encodes a RecQ helicase that interacts with the PI-3K-related kinase UVSB. 2001 , 159, 1595-604	10

304	Phenotypic analysis of separation-of-function alleles of MEI-41, Drosophila ATM/ATR. 2003, 164, 589-601	65
303	Functions of Saccharomyces cerevisiae 14-3-3 proteins in response to DNA damage and to DNA replication stress. 2003 , 165, 1717-32	26
302	A review of Epstein-Barr virus infection in patients with immunodeficiency disorders. 2000 , 319, 392-6	46
301	Inherited susceptibility to breast and ovarian cancer. 1998 , 10, 3-8	2
300	The current social, political, and medical role of genetic testing in familial breast and ovarian carcinomas. 1999 , 11, 65-70	5
299	Li-Fraumeni syndrome and the role of the p53 tumor suppressor gene in cancer susceptibility. 1998 , 41, 172-99	26
298	Analysis of fission yeast DNA structure checkpoints. 1998 , 144 (Pt 1), 5-11	12
297	Phosphoproteomics Reveals a Distinct Mode of Mec1/ATR Signaling in Response to DNA End Hyper-Resection.	1
296	Phenome-wide burden of copy number variation in UK Biobank.	3
295	S-phase-specific activation of Cds1 kinase defines a subpathway of the checkpoint response in Schizosaccharomyces pombe. 1998 , 12, 382-95	323
294	A role for ATR in the DNA damage-induced phosphorylation of p53. 1999 , 13, 152-7	779
293	Association of Chk1 with 14-3-3 proteins is stimulated by DNA damage. 1999 , 13, 675-85	90
292	Aberrant cell cycle checkpoint function and early embryonic death in Chk1 Imice. 2000, 14, 1439-1447	256
291	Chk1 is an essential kinase that is regulated by Atr and required for the G2/M DNA damage checkpoint. 2000 , 14, 1448-1459	769
290	The checkpoint protein Ddc2, functionally related to S. pombe Rad26, interacts with Mec1 and is regulated by Mec1-dependent phosphorylation in budding yeast. 2000 , 14, 2046-2059	121
289	Chk2/hCds1 functions as a DNA damage checkpoint in G1 by stabilizing p53. 2000 , 14, 278-288	419
288	mus304 encodes a novel DNA damage checkpoint protein required during Drosophila development. 2000 , 14, 666-678	72
287	BASC, a super complex of BRCA1-associated proteins involved in the recognition and repair of aberrant DNA structures. 2000 , 14, 927-939	565

286	Sir2 links chromatin silencing, metabolism, and aging. 2000 , 14, 1021-1026	360
285	The FHA domain in DNA repair and checkpoint signaling. 2000 , 65, 423-31	28
284	ATM: sounding the double-strand break alarm. 2000 , 65, 527-33	15
283	Recent advances. Medical genetics. 1996 , 312, 1021-5	6
282	Role of the ataxia-telangiectasia gene (ATM) in breast cancer. A-T heterozygotes seem to have an increased risk but its size is unknown. 1998 , 317, 486-7	12
281	Molecular aspects of primary immunodeficiencies: lessons from cytokine and other signaling pathways. 2002 , 109, 1261-1269	23
280	Cytoplasmic localization of FAC is essential for the correction of a prerepair defect in Fanconi anemia group C cells. 1996 , 97, 2003-10	54
279	Non-Hodgkin's Lymphoma: Molecular Features of B Cell Lymphoma. 2000 , 2000, 180-204	3
278	Inactivation of the ATM Gene in T-Cell Prolymphocytic Leukemias. 1998, 91, 3920-3926	114
277	Regulated Genomic Instability and Neoplasia in the Lymphoid Lineage. 1999 , 94, 3997-4010	3
276	Somatic ATM Mutations Indicate a Pathogenic Role of ATM in B-Cell Chronic Lymphocytic Leukemia. 1999 , 94, 748-753	4
275	ATM Is Upregulated During the Mitogenic Response in Peripheral Blood Mononuclear Cells. 1999 , 94, 1998-2006	5
274	Cdc18p can block mitosis by two independent mechanisms. 1998 , 111, 3101-3108	21
273	Changes in protein composition of meiotic nodules during mammalian meiosis. 1998 , 111, 413-423	124
272	Chk1 and Cds1: linchpins of the DNA damage and replication checkpoint pathways. 2000, 113, 3889-3896	162
271	A novel mutant allele of the chromatin-bound fission yeast checkpoint protein Rad17 separates the DNA structure checkpoints. 2000 , 113, 1075-1088	14
270	Localization of two mammalian cyclin dependent kinases during mammalian meiosis. 2001, 114, 685-693	61
269	Gene expression changes in residual advanced cervical cancer after radiotherapy: indicators of poor prognosis and radioresistance?. 2015 , 21, 1276-87	17

268	Etoposide induces ATM-dependent mitochondrial biogenesis through AMPK activation. 2008, 3, e2009	134
267	Unique DNA repair gene variations and potential associations with the primary antibody deficiency syndromes IgAD and CVID. 2010 , 5, e12260	42
266	The association between ATM IVS 22-77 T>C and cancer risk: a meta-analysis. 2012 , 7, e29479	9
265	R-loops in proliferating cells but not in the brain: implications for AOA2 and other autosomal recessive ataxias. 2014 , 9, e90219	37
264	Prognostic Significance of Nuclear Phospho-ATM Expression in Melanoma. 2015 , 10, e0134678	5
263	Targeted Next-Generation Sequencing Revealed Novel Mutations in Chinese Ataxia Telangiectasia Patients: A Precision Medicine Perspective. 2015 , 10, e0139738	7
262	Analysis of D1853N ATM polymorphism in radiosensitive patients with cervical carcinoma. 2011 , 54, 111-6	2
261	Phosphoproteomics reveals novel modes of function and inter-relationships among PIKKs in response to genotoxic stress. 2021 , 40, e104400	14
2 60	From yeast to humans: Understanding the biology of DNA Damage Response (DDR) kinases. 2019 , 43, e20190071	7
259	Human DNA repair diseases: From genome instability to cancer. 1997 , 20, 755-762	5
258	Influence of DNA repair genes polymorphism on karyology of buccal epithelium cells in humans exposed to radon. 2014 , 12, 28	4
257	Cyclin A2 promotes DNA repair in the brain during both development and aging. 2016 , 8, 1540-70	9
256	Gene-environment interaction for polymorphisms in ataxia telangiectasia-mutated gene and radiation exposure in carcinogenesis: results from two literature-based meta-analyses of 27120 participants. 2016 , 7, 76867-76881	3
255	Knockdown of EphB1 receptor decreases medulloblastoma cell growth and migration and increases cellular radiosensitization. 2015 , 6, 8929-46	17
254	ATM protein is deficient in over 40% of lung adenocarcinomas. 2016 , 7, 57714-57725	26
253	Fanconi anemia: a multi-age cancer susceptibility syndrome. 2008 , 2, 175-187	1
252	Improvement in risk prediction, early detection and prevention of breast cancer in the NHS Breast Screening Programme and family history clinics: a dual cohort study. 2016 , 4, 1-210	48
251	Structure and Assembly of the PI3K-like Protein Kinases (PIKKs) Revealed by Electron Microscopy. 2015 , 2, 36-57	9

250	Human Mutations Affecting Reprogramming into Induced Pluripotent Stem Cells. 2017, 1, 31-46	3
249	The cellular response to DNA damage: a focus on MDC1 and its interacting proteins. 2010 , 1, 166-78	59
248	Integrated Bioinformatics for Radiation-Induced Pathway Analysis from Proteomics and Microarray Data. 2008 , 1, 47-60	15
247	The spectrum of genetic mutations in breast cancer. 2015 , 16, 2177-85	37
246	Significance of ATM Gene Polymorphisms in Chronic Myeloid Leukemia - a Case Control Study from India. 2016 , 17, 815-21	4
245	Molecular epidemiology of hereditary ataxia in Finland. 2021 , 21, 382	2
244	Structure of the human ATM kinase and mechanism of Nbs1 binding.	
243	Functional Classification of the ATM Variant c.7157C>A and Effects of Dexamethasone. 2021 , 12, 759467	
242	Bibliography Articles Cited in Commentaries. 2000 , 1023-1058	O
241	Non-Hodgkin's Lymphoma: Molecular Features of B Cell Lymphoma. 2000 , 2000, 180-204	1
240	[Primary immunodeficiency diseases]. 2000 , 67, 83-91	
239	Chromosome Instability Syndromes. 2001 , 353-367	
238	Molekulare Diagnostik beim hereditten Mammakarzinom. 2001 , 131-148	
237	Familifies Pankreaskarzinom. 2001 , 401-422	
236	Inactivation of Negative Growth Regulators During Neoplastic Transformation. 2002, 81-111	
235	Chromosomal Radiosensitivity as an Indicator of Genetic Predisposition to Breast Cancer. 2002 , 167-176	
234	Hereditary Neuropathies. 2002 , 899-936	
233	ATM.	

232	Current Research and Commercial Applications of Cloning Technology. 2002, 443-457
231	Ataxia Telangiectasia. 2003 , 287-288
230	Genetic Diseases of the Nervous System. 2003 , 37-68
229	Cellular resistance to DNA Topoisomerase I-targeting drugs. 2003 , 129-143
228	Inherited and Noninherited Ataxias. 2003, 1011-1020
227	Lexikalischer Teil. 2003 , 31-1336
226	Ataxia-Telangiectasia. 2003 ,
225	Mammakarzinom. 2004 , 1011-1055
224	Contribution of Radiation Research to Human Space Exploration: Approaches to mitigate Radiation Health Risk in Spaceflight. 2004 , 157-168
223	Inherited Predisposition to Chronic Lymphocytic Leukemia. 2004 , 389-400
222	DNA?????????. 2004 , 26, 117-121
221	Genetische Grundlagen der Kanzerogenese. 2004 , 75-145
220	Lymphoma Occurring in a Setting of Immunodeficiency. 2004 , 379-395
219	DNA Repair Defects in Cancer. 2004 , 361-377
218	Radiobiology of the Skin. 2004 , 17-23
217	Degenerative Ataxie-Erkrankungen. 2005 , 625-639
216	Recognition of DNA Damage as the Initial Step of Eukaryotic Checkpoint Arrest. 2005,
215	Tumor Suppressor Genes. 2005 , 131-150

214	iBAC Technologies for Neurological Disease. 2006 , 59-73	1
213	Primary Immunodeficiency Diseases. 2007 , 864-869	
212	Neuro-oculocutaneous syndromes (phakomatoses). 2007 , 385-401	2
211	Chromosomal Abnormalities and Neurocutaneous Disorders. 2007 , 683-697	
210	The DNA Damage Response, DNA Repair, and AML. 2007 , 97-131	
209	The Radiobiological Rationale for Hypofractionation of Lung and Liver Tumors. 2007 , 39-53	
208	Comparison of ataxia-telangiectasia mutated protein expression in diffuse large B-cell lymphomas of primary central nervous system and non-central nervous system origin. 2007 , 131, 457-67	3
207	Ocular findings in Norwegian patients with ataxia-telangiectasia: a 5 year prospective cohort study. 2007 , 85, 557-562	11
206	The Genetic Epidemiology of Hereditary Breast Cancer. 2007 , 1-17	
205	Disorders of the Cerebellum, Including the Degenerative Ataxias. 2008, 2123-2145	1
204	The Phakomatoses. 2008 , 5009-5024	
203	Neurological Disease and Primary Immunodeficiency. 2008, 379-397	
202	Primary Immunodeficiencies. 2008 , 1265-1357	
201	Acute and Late Biologic Effects of Radiation Therapy in the Management of Childhood Cancer. 2008 , 13-25	
200	Neurocutaneous Syndromes. 2008, 201-215	
199	Risk assessment and management. 2009 , 327-337	
198	PRIMARY IMMUNODEFICIENCIES. 2009 , 1021-1037	
197	Atassie. 2009 , 379-386	1

196	Telomere Metabolism and DNA Damage Response. 2009 , 133-156
195	Ataxie-tlangiectasie et syndromes apparentl. 2009 , 219-228
194	Nucleotide Excision Repair: from DNA Damage Processing to Human Disease. 2009 , 235-259
193	Primary Immunodeficiency Diseases. 2009 , 801-829
192	Aging and Cancer: Caretakers and Gatekeepers. 2010 , 397-416
191	Potential Impact of Genomic Information on Childhood Sibling Relationships. 2010 , 141-161
190	ATM Gene. 2010 , 97-100
189	Basic Principles of Cancer Genetics. 2010 , 1-22
188	Radiobiologic Principles. 2010 , 3-30
187	Genetic Predispositions for Hematologic and Lymphoid Disorders. 2010 , 21-64
186	The Immunocompromised Host.
185	Phacomatoses. 2011 , 159-189
184	Prenatal Diagnosis of Primary Immunodeficiency Diseases. 628-645
183	Lymph nodes. 2011 , 1771-1899
182	DNA Strand Break Repair and Human Genetic Disease.
181	The Pathology of Primary Immunodeficiencies. 2011 , 839-853
180	Kapitel E1 Literaturverzeichnis zu Peter, Pichler, Mller-Ladner (Hrsg.): Klinische Immunologie. 2012 , e1-e80
179	The Cerebellum and the Hereditary Ataxias. 2012 , 939-964

178	Genetic predisposition and breast screening. 2013 , 17-27	1
177	Neuro-oculocutaneous Syndromes (Phakomatoses). 2014 , 103-132	
176	The DNA Damage Response Mediates Apoptosis and Tumor Suppression. 2014 , 135-165	0
175	Primary Immunodeficiency Diseases. 2014 , 1144-1174	
174	Allelverlust von prdisponierenden Genen (BRCA1, BRCA2, AT, p53) bei Mammakarzinomen und deren Metastasen. 1996 , 201-204	
173	Molecular basis of radiation sensitivity. 1996 , 166-175	
172	How do cells repair DNA damage caused by ionizing radiation?. 1996 , 176-184	
171	Breast cancer-predisposing genes: Their discovery marks a turning point in deciphering a complex disease. 1996 , 16, 243-8	
170	Surveillance and genome stability in budding yeast: implications for mammalian carcinogenesis. 1997 , 221, 19-35	
169	Medical Background: Human DNA Damage Recognition and Processing Disorders. 1997 , 1-30	
168	Genetische Screeningmößlichkeiten földas familiöe Mammakarzinom. 1997 , 189-195	
167	The Human Cerebellar Ataxias. 1997 , 31-43	
166	A Chromosome 14q11/TCR抵specific Yeast Artificial Chromosome Improves the Detection Rate and Characterization of Chromosome Abnormalities in T-Lymphoproliferative Disorders. 1997 , 90, 1233-1240	
165	Inherited Cancer Syndromes. 1998 , 61-73	
164	Inherited Immune Deficiency. 1998, 283-291	
163	Xeroderma Pigmentosum and Related Disorders. 1998 , 749-773	
162	Neuroimmunodegeneration Syndromes: Definition and Models. 1998 , 29-50	
161	Mechanismen der Entstehung genetisch bedingter Krebsformen. 1998 , 3-26	

160	Mammalian Cell-Cycle Responses to DNA-Damaging Agents. 1998 , 465-486	
159	Cellular Responses to DNA Damage and Human Chromosome Instability Syndromes. 1998 , 395-442	1
158	Tumor Suppressor Genes. 1998, 51-76	
157	Hereditle Ataxien. 1998 , 249-277	
156	Cloning and expression of large mammalian cDNAs: lessons from ATM. 1998 , 20, 239-48	
155	Frequent Loss of Heterozygosity on Chromosomes 6q, 9p, 11q or 12p in Childhood Acute Lymphoblastic Leukemia. 1998 , 242-247	
154	Genome Analysis of the AT Region of Human Chromosome 11 and Identification of a New Gene, NPAT, Physically Linked to the ATM Gene. 1998 , 135-144	
153	Cerebellar Degenerations. 1999 , 445-458	
152	Use of Biochemical and Molecular Biomarkers for Cancer Risk Assessment in Humans. 1999 , 81-182	2
151	Lexikon der Syndrome und Fehlbildungen. 1999 , 35-1198	
150	Strategies for Cloning Mammalian DNA Repair Genes. 1999 , 57-85	
149	Hereditary Breast Cancer: an Overview. 1999 , 57-80	
148	Angeborene Immundefekte. 1999 , 40-83	2
147	Reduced Expression of Adhesion Molecules and Cell Signaling Receptors by Chronic Lymphocytic Leukemia Cells With 11q Deletion. 1999 , 93, 624-631	2
146	ATM and lymphoid malignancies; use of oriented peptide libraries to identify novel substrates of ATM critical in downstream signaling pathways. 1999 , 246, 267-73; discussion 274	3
145	Analysis of Inhibition of DNA Replication in Irradiated Cells Using the SV40-Based In Vitro Assay of DNA Replication. 1999 , 543-553	1
144	Genetic Analysis of Brain Tumors. 1999 , 8, 3-12	O
143	Molecular and Genetic Aspects of Hemangiomas and Vascular Malformations. 2015 , 21-38	1

142	Clinico-Radiological Correlation in Children with Ataxia Telanglectasia in Qatar. 2015 , 05, 33-38	
141	Ataxia Telangiectasia Syndrome Revealed by Severe Pneumonia. 2015 , 04, 184-188	
140	Introduction of Francis S. Collins. 2015 , 125, 3321-7	
139	Evelyn Witkin and Stephen Elledge share the 2015 Lasker Basic Medical Award. 2015 , 125, 3727-31	
138	The necessity for functional analysis in human medical genetics. 2015 , 2,	1
137	Prenatal Diagnosis of Primary Immunodeficiency Diseases. 755-772	
136	DNA Repair during Class Switch Recombination. 2016 , 134-143	
135	General aspects of aetiology, diagnostics and therapy. 2016 , 3-104	
134	Encyclopedia of Signaling Molecules. 2016 , 1-7	
133	DNA Repair, Overview. 2016 , 1-13	
132	Radiosensitizing Glioma by Targeting ATM with Small Molecule Inhibitors. 2016 , 289-305	
131	Genetics and Epigenetics of Head and Neck Cancer. 2016 , 115-132	
130	Diagnosing Hereditary Cancer Susceptibility Through Multigene Panel Testing. 2017 , 123-153	
129	ATM Gene Mutation Detection Techniques and Functional Analysis. 2017 , 1599, 25-42	
128	Severe Late Toxicity After Adjuvant Breast Radiotherapy in a Patient with a Germline Ataxia Telangiectasia Mutated Gene: Future Treatment Decisions. 2017 , 9, e1458	6
127	Control of meiotic double-strand-break formation by ATM: local and global views.	1
126	TGF-¶Smad Signalling Pathway in Cancer. 2018 , 151-185	
125	Encyclopedia of Signaling Molecules. 2018 , 1091-1097	_

124	DNA Strand Break Repair and Human Genetic Disease. 1-12	
123	Ataxia Telangiectasia triggers deficits in Reelin pathway.	
122	Primary Immunodeficiencies and Cytokine Storm Syndromes. 2019 , 209-232	
121	Neuro-oculocutaneous Syndromes (Phakomatoses). 2019 , 115-145	1
120	Validation of new bioinformatic tools to identify expanded repeats: a non-reference intronic pentamer expansion inRFC1causes CANVAS.	
119	Cordycepin inhibits pancreatic cancer cell growth in vitro and in vivo via targeting FGFR2 and blocking ERK signaling. 2020 , 18, 345-355	6
118	Diagnosis and Management of Ataxia-Telangiectasia in Resource-Limited Settings. 2020, 1,	
117	Causal and Candidate Gene Variants in a Large Cohort of Women with Primary Ovarian Insufficiency. 2021 ,	2
116	ATM Kinase Dead: From Ataxia Telangiectasia Syndrome to Cancer. 2021 , 13,	1
115	A novel, ataxic mouse model of ataxia telangiectasia caused by a clinically relevant nonsense mutation. 2021 , 10,	3
114	Six Novel ATM Gene Variants in Sri Lankan Patients with Ataxia Telangiectasia. 2020 , 2020, 6630300	2
113	AtaxiaEelangiectasia. 2020 , 113-116	
112	The inherited ataxias. 2020, 75-97	
111	Mantle Cell Lymphoma: Definition, Epidemiology, Pathobiology ${ m Lymphomagenesis}$, Morphology, Variants, Immunophenotype, Prognostic Factors. 2020 , 49-93	
110	Molecular Biomarkers for Early Detection and Prevention of Ovarian Cancer-A Gateway for Good Prognosis: A Narrative Review. 2020 , 11, 135	1
109	ATM and ATR checkpoint kinase pathways: A concise review. 2020 , 10, 51	O
108	Genetic Screening and Counseling for High-Risk Populations. 2006 , 341-357	
107	Clinical Features of Fanconi Anaemia. 2006 , 1-12	

(1996-2006)

Is Ataxia Telangiectasia a Result of Impaired Coordination between DNA Repair and Cell Cycle 106 Checkpoint Regulators?. 2006, 82-97 Angeborene Immundefekte. 2006, 253-267 105 Molecular aspects of primary immunodeficiencies: lessons from cytokine and other signaling 104 12 pathways. 2002, 109, 1261-9 Overview of the DNA Damage Checkpoint. 2007, 193-221 103 Targeting ATM/ATR in the DNA Damage Checkpoint. 2008, 93-116 102 Microcephalies and DNA Repair. 2008, 109-120 101 A novel, ataxic mouse model of Ataxia Telangiectasia caused by a clinically relevant nonsense 100 mutation. Heritable predispositions to childhood hematologic malignancies. 362-388 99 Chk2/hCds1 functions as a DNA damage checkpoint in G(1) by stabilizing p53. 2000, 14, 278-88 98 532 mus304 encodes a novel DNA damage checkpoint protein required during Drosophila 98 97 development. 2000, 14, 666-78 BASC, a super complex of BRCA1-associated proteins involved in the recognition and repair of 96 760 aberrant DNA structures. 2000, 14, 927-39 Chk1 is an essential kinase that is regulated by Atr and required for the G(2)/M DNA damage 966 95 checkpoint. 2000, 14, 1448-59 Aberrant cell cycle checkpoint function and early embryonic death in Chk1(-/-) mice. 2000, 14, 1439-47 336 94 The checkpoint protein Ddc2, functionally related to S. pombe Rad26, interacts with Mec1 and is 184 93 regulated by Mec1-dependent phosphorylation in budding yeast. 2000, 14, 2046-59 Fission yeast rad17: a homologue of budding yeast RAD24 that shares regions of sequence 92 77 similarity with DNA polymerase accessory proteins. 1995, 14, 5812-23 Activation of phosphoinositide 3-kinase by interaction with Ras and by point mutation. 1996, 15, 2442-51 91 167 DNA-dependent protein kinase catalytic subunit: a target for an ICE-like protease in apoptosis. 80 90 **1996**, 15, 3238-46 The Schizosaccharomyces pombe rad3 checkpoint gene. 1996, 15, 6641-51 89 149

88	Noncomplementation of radiation-induced chromosome aberrations in ataxia-telangiectasia/ataxia-telangiectasia-variant heterodikaryons. 1997 , 60, 1246-51	14
87	The gene for the ataxia-telangiectasia variant, Nijmegen breakage syndrome, maps to a 1-cM interval on chromosome 8q21. 1997 , 60, 605-10	72
86	Genomewide search for genes influencing percent body fat in Pima Indians: suggestive linkage at chromosome 11q21-q22. Pima Diabetes Gene Group. 1997 , 60, 166-73	97
85	A gene that regulates DNA replication in response to DNA damage is located on human chromosome 4q. 1995 , 57, 1095-103	14
84	The ataxia-telangiectasia-variant genes 1 and 2 are distinct from the ataxia-telangiectasia gene on chromosome 11q23.1. 1995 , 57, 960-2	28
83	Rapid detection of regionally clustered germ-line BRCA1 mutations by multiplex heteroduplex analysis. UKCCCR Familial Ovarian Cancer Study Group. 1996 , 58, 451-6	63
82	The gene for Nijmegen breakage syndrome (V2) is not located on chromosome 11. 1996 , 58, 885-8	23
81	Autosomal dominant spinocerebellar ataxia with sensory axonal neuropathy (SCA4): clinical description and genetic localization to chromosome 16q22.1. 1996 , 59, 392-9	146
80	Mutations associated with variant phenotypes in ataxia-telangiectasia. 1996 , 59, 320-30	119
79	A high frequency of distinct ATM gene mutations in ataxia-telangiectasia. 1996 , 59, 839-46	60
78	Genetic heterogeneity in hereditary breast cancer: role of BRCA1 and BRCA2. 1996 , 59, 547-53	48
77	Genetic heterogeneity in Niemann-Pick C disease: a study using somatic cell hybridization and linkage analysis. 1996 , 58, 118-25	148
76	Toward localization of the Werner syndrome gene by linkage disequilibrium and ancestral haplotyping: lessons learned from analysis of 35 chromosome 8p11.1-21.1 markers. 1996 , 58, 1286-302	31
75	Descent graphs in pedigree analysis: applications to haplotyping, location scores, and marker-sharing statistics. 1996 , 58, 1323-37	866
74	Ataxia-telangiectasia: mutations in ATM cDNA detected by protein-truncation screening. 1996 , 59, 40-4	91
73	Model organisms illuminate human genetics and disease. 1997 , 3, 231-7	1
72	Chk1 and Cds1: linchpins of the DNA damage and replication checkpoint pathways. 2000 , 113 (Pt 22), 3889-96	95
71	Classic ataxia-telangiectasia in a Sudanese boy: Case report and review of the literature. 2011 , 11, 60-3	Ο

70	Breaking up with ATM. 2018 , 2, 26-31	3
69	A Novel Splice Site Mutation of the ATM Gene Associated with Ataxia Telangiectasia. 2018 , 12, 111-119	
68	Abnormal white matter signal in ataxia telangiectasia. 2000 , 21, 1483-5	17
67	Proton spectroscopy and imaging at 3T in ataxia-telangiectasia. 2007 , 28, 79-83	26
66	Targeting the ATM Kinase to Enhance the Efficacy of Radiotherapy and Outcomes for Cancer Patients. 2022 , 32, 3-14	1
65	Activation of ATM/Chk2 by Zanthoxylum armatum DC extract induces DNA damage and G1/S phase arrest in BRL 3A cells. 2022 , 284, 114832	1
64	Endocrinopathies in Inborn Errors of Immunity. 2021 , 12, 786241	1
63	RPRM negatively regulates ATM levels involving its phosphorylation mediated by CDK4/CDK6.	O
62	Gastric cancer genetic predisposition and clinical presentations: Established heritable causes and potential candidate genes. 2021 , 65, 104401	1
61	Dysfunction of cerebellar microglia in Ataxia-telangiectasia. 2021 ,	O
60	Agammaglobulinemia, by Col. Ogden C. Bruton, MC, USA,Pediatrics, 1952;9:722🛭 28. 1998 , 102, 213-215	7
59	atm -/- Strain 2. 2001 , 2001,	
58	atm -/- Strain 1. 2001 , 2001,	
57	atm -/- Strain 3. 2001 , 2001,	
56	Case Report: Biallelic Loss of Function ATM due to Pathogenic Synonymous and Novel Deep Intronic Variant c.1803-270T > G Identified by Genome Sequencing in a Child With Ataxia-Telangiectasia 2022 , 13, 815210	Ο
55	Structure of the human ATM kinase and mechanism of Nbs1 binding 2022 , 11,	1
54	ATM: Functions of ATM Kinase and Its Relevance to Hereditary Tumors 2022 , 23,	2
53	ATM Germline Mutated Gastroesophageal Junction Adenocarcinomas: Clinical Descriptors, Molecular Characteristics and Potential Therapeutic Implications 2022 ,	1

52	Immediate-Early, Early, and Late Responses to DNA Double Stranded Breaks 2022, 13, 793884	3
51	Persistent DNA damage associated with ATM kinase deficiency promotes microglial dysfunction 2022 ,	1
50	The threat of programmed DNA damage to neuronal genome integrity and plasticity 2022, 54, 115-120	3
49	Harvard report on cancer prevention. Causes of human cancer. Radiation. 1996, 7 Suppl 1, S41-3	
48	American Society for Gastrointestinal Endoscopy guideline on screening for pancreatic cancer in individuals with genetic susceptibility: methodology and review of evidence 2022 ,	О
47	DNA damage response inhibition-based combination therapies in cancer treatment: Recent advances and future directions. 2022 , 3, 44-67	O
46	Metabolic Stress and Mitochondrial Dysfunction in Ataxia-Telangiectasia 2022, 11,	O
45	A molecular perspective for the use of type IV tyrosine kinase inhibitors as anticancer therapeutics 2021 ,	O
44	Discovery of novel ataxia telangiectasia mutated (ATM) kinase modulators: Computational simulation, biological evaluation and cancer combinational chemotherapy study 2022 , 233, 114196	O
43	Development of novel urea-based ATM kinase inhibitors with subnanomolar cellular potency and high kinome selectivity 2022 , 235, 114234	O
42	DNA Damage and Repair Deficiency in ALS/FTD-Associated Neurodegeneration: From Molecular Mechanisms to Therapeutic Implication 2021 , 14, 784361	1
41	TRIM29 in Cutaneous Squamous Cell Carcinoma 2021 , 8, 804166	O
40	The Relaxin-3 Receptor, RXFP3, Is a Modulator of Aging-Related Disease 2022, 23,	1
39	Development and Evolution of DNA-Dependent Protein Kinase Inhibitors toward Cancer Therapy 2022 , 23,	2
38	20 Years of DNA Damage Signaling to p53. 2007 , 53-71	
37	Data_Sheet_1.xlsx. 2020 ,	
36	Data_Sheet_2.docx. 2020 ,	
35	Ataxia-telangiectasia after hepatoblastoma: The reverse chronology 2022 , e29778	

34	Deoxyribonucleic Acid Damage Response Defects. 2022 , 2, 195-211	
33	Prediction of Response to Radiotherapy by Characterizing the Transcriptomic Features in Clinical Tumor Samples across 15 Cancer Types 2022 , 2022, 5443709	O
32	Neurogenesis in Aging and Age-related Neurodegenerative Diseases 2022, 101636	4
31	The ataxia-telangiectasia mutated Gene Product Regulates the Cellular Acid-Labile Sulfide Fraction. 2022 , 103344	
30	Molecular Cloning and Characterization of the Catalytic Domain of Zebrafish Homologue of the Ataxia-Telangiectasia Mutated Gene. 2004 , 2, 348-353	3
29	RCOM RADIOLOGICAL CASE OF THE MONTH. 42-44	
28	Emerging small-molecule inhibitors of ATM kinase targeting cancer therapy. 2022 , 179-198	
27	Minigene-based splicing analysis and ACMG/AMP-based tentative classification of 56 ATM variants.	O
26	Germline CHEK2 and ATM Variants in Myeloid and Other Hematopoietic Malignancies. 2022, 17, 94-104	1
25	Ataxia. 2022 , 333-394	
24	Chorea, Athetosis, and Ballism. 2022 , 183-228	
23	Functions of Breast Cancer Predisposition Genes: Implications for Clinical Management. 2022 , 23, 7481	1
22	THE USE OF GENE THERAPY FOR IMMUNODEFICIENCY DISEASE. 1996 , 16, 683-726	
21	ATAXIA-TELANGIECTASIA. 2000 , 20, 177-206	
20	Ataxia-telangiectasia mutated plays an important role in cerebellar integrity and functionality. 2023 , 18, 497	
19	RPRM negatively regulates ATM levels through its nuclear translocation on irradiation mediated by CDK4/6 and IPO11. 2022 , 25, 105115	O
18	Dynamic switching of crotonylation to ubiquitination of H2A at lysine 119 attenuates transcription Eeplication conflicts caused by replication stress. 2022 , 50, 9873-9892	1
17	The DNA damage checkpoint: A tale from budding yeast. 13,	O

16	The inherited cerebellar ataxias: an update.	0
15	Clinical and laboratory characteristics of a group of patients with ataxia-telangiectasia syndrome. 2022 , 21, 47-55	1
14	DNA Repair Mechanisms, Protein Interactions and Therapeutic Targeting of the MRN Complex. 2022 , 14, 5278	O
13	Lysine Crotonylation: An Emerging Player in DNA Damage Response. 2022 , 12, 1428	1
12	Cellular regulation and stability of DNA replication forks in eukaryotic cells. 2022, 120, 103418	0
11	Germline pathogenic variants associated with ovarian cancer: A historical overview. 2022 , 44, 101105	o
10	New human ATM variants are able to regain ATM functions in ataxia telangiectasia disease. 2022 , 79,	0
9	Cancer and Radiosensitivity Syndromes: Is Impaired Nuclear ATM Kinase Activity the Primum Movens?. 2022 , 14, 6141	2
8	ATM suppresses c-Myc overexpression in the mammary epithelium in response to estrogen. 2023 , 42, 111909	O
7	Cryptochromes and UBP12/13 deubiquitinases antagonistically regulate DNA damage response in Arabidopsis.	o
6	Kinases control of regulated cell death revealing druggable targets for Parkinson disease. 2023 , 85, 101841	1
5	Genetics, Genomics and Emerging Molecular Therapies of Pancreatic Cancer. 2023, 15, 779	o
4	Nanoparticle-based radiosensitization strategies for improving radiation therapy. 14,	0
3	Radiation and Diabetic Retinopathy: A Dark Synergy. 2023 , 3, 120-159	O
2	Ataxia Telangiectasia. 2023 , 621-630	0
1	Programmed ageing: decline of stem cell renewal, immunosenescence, and Alzheimer's disease.	О