

Alfonso Bellacosa

List of Publications by Year in descending order

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45
papers

7,311
citations

201674

27
h-index

254184

43
g-index

49
all docs

49
docs citations

49
times ranked

9441
citing authors

#	ARTICLE	IF	CITATIONS
1	Epithelialâ€“mesenchymal transition in development and cancer: role of phosphatidylinositol 3-kinase/AKT pathways. <i>Oncogene</i> , 2005, 24, 7443-7454.	5.9	1,078
2	A Retroviral Oncogene, <i>akt</i> , Encoding a Serine-Threonine Kinase Containing an SH2-Like Region. <i>Science</i> , 1991, 254, 274-277.	12.6	825
3	Molecular alterations of the <i>AKT2</i> oncogene in ovarian and breast carcinomas. <i>International Journal of Cancer</i> , 1995, 64, 280-285.	5.1	781
4	Thymine DNA Glycosylase Is Essential for Active DNA Demethylation by Linked Deamination-Base Excision Repair. <i>Cell</i> , 2011, 146, 67-79.	28.9	700
5	Activation of AKT Kinases in Cancer: Implications for Therapeutic Targeting. <i>Advances in Cancer Research</i> , 2005, 94, 29-86.	5.0	687
6	Akt activation by growth factors is a multiple-step process: the role of the PH domain. <i>Oncogene</i> , 1998, 17, 313-325.	5.9	483
7	Akt induces enhanced myocardial contractility and cell size <i>in vivo</i> in transgenic mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 12333-12338.	7.1	455
8	Transformation of Chicken Cells by the Gene Encoding the Catalytic Subunit of PI 3-Kinase. <i>Science</i> , 1997, 276, 1848-1850.	12.6	398
9	The DNA repair gene MBD4 (MED1) is mutated in human carcinomas with microsatellite instability. <i>Nature Genetics</i> , 1999, 23, 266-268.	21.4	211
10	Biphasic Kinetics of the Human DNA Repair Protein MED1 (MBD4), a Mismatch-specific DNA N-Glycosylase. <i>Journal of Biological Chemistry</i> , 2000, 275, 32422-32429.	3.4	157
11	An Intrinsic Epigenetic Barrier for Functional Axon Regeneration. <i>Neuron</i> , 2017, 94, 337-346.e6.	8.1	130
12	A Portrait of AKT Kinases: Human Cancer and Animal Models Depict a Family with Strong Individualities. <i>Cancer Biology and Therapy</i> , 2004, 3, 268-275.	3.4	123
13	The base excision repair enzyme MED1 mediates DNA damage response to antitumor drugs and is associated with mismatch repair system integrity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 15071-15076.	7.1	120
14	Analysis of cyclin E and CDK2 in ovarian cancer: Gene amplification and RNA overexpression. <i>International Journal of Cancer</i> , 1998, 75, 34-39.	5.1	117
15	Defective ciliogenesis, embryonic lethality and severe impairment of the Sonic Hedgehog pathway caused by inactivation of the mouse complex A intraflagellar transport gene <i>IFT122/Wdr10</i> , partially overlapping with the DNA repair gene <i>Med1/Mbd4</i> . <i>Developmental Biology</i> , 2009, 325, 225-237.	2.0	114
16	Investigation of the substrate spectrum of the human mismatch-specific DNAN-glycosylase MED1 (MBD4): Fundamental role of the catalytic domain. <i>Journal of Cellular Physiology</i> , 2000, 185, 473-480.	4.1	101
17	Role of MED1 (MBD4) Gene in DNA repair and human cancer. <i>Journal of Cellular Physiology</i> , 2001, 187, 137-144.	4.1	91
18	Role of base excision repair in maintaining the genetic and epigenetic integrity of CpG sites. <i>DNA Repair</i> , 2015, 32, 33-42.	2.8	79

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19	DNA demethylation by TDG. <i>Epigenomics</i> , 2012, 4, 459-467.	2.1	59
20	Altered Gene Expression in Morphologically Normal Epithelial Cells from Heterozygous Carriers of <i>BRCA1</i> or <i>BRCA2</i> Mutations. <i>Cancer Prevention Research</i> , 2010, 3, 48-61.	1.5	56
21	The DNA N-Glycosylase MED1 Exhibits Preference for Halogenated Pyrimidines and Is Involved in the Cytotoxicity of 5-Iododeoxyuridine. <i>Cancer Research</i> , 2006, 66, 7686-7693.	0.9	54
22	One-Hit Effects in Cancer: Altered Proteome of Morphologically Normal Colon Crypts in Familial Adenomatous Polyposis. <i>Cancer Research</i> , 2008, 68, 7579-7586.	0.9	46
23	Involvement of <i>MBD4</i> inactivation in mismatch repair-deficient tumorigenesis. <i>Oncotarget</i> , 2015, 6, 42892-42904.	1.8	43
24	Epigenetic downregulation of the DNA repair gene MED1/MBD4 in colorectal and ovarian cancer. <i>Cancer Biology and Therapy</i> , 2009, 8, 94-100.	3.4	39
25	NeuroD1 Dictates Tumor Cell Differentiation in Medulloblastoma. <i>Cell Reports</i> , 2020, 31, 107782.	6.4	35
26	Comparison of RNA amplification methods and chip platforms for microarray analysis of samples processed by laser capture microdissection. <i>Journal of Cellular Biochemistry</i> , 2008, 103, 556-563.	2.6	33
27	Developmental disease and cancer: Biological and clinical overlaps. <i>American Journal of Medical Genetics, Part A</i> , 2013, 161, 2788-2796.	1.2	33
28	Roles of TET and TDG in DNA demethylation in proliferating and non-proliferating immune cells. <i>Genome Biology</i> , 2021, 22, 186.	8.8	31
29	Thymine DNA glycosylase as a novel target for melanoma. <i>Oncogene</i> , 2019, 38, 3710-3728.	5.9	28
30	Genetic hits and mutation rate in colorectal tumorigenesis: Versatility of Knudson's theory and implications for cancer prevention. <i>Genes Chromosomes and Cancer</i> , 2003, 38, 382-388.	2.8	27
31	Dose Dependent Effects on Cell Cycle Checkpoints and DNA Repair by Bendamustine. <i>PLoS ONE</i> , 2012, 7, e40342.	2.5	27
32	Optimized procedures for microarray analysis of histological specimens processed by laser capture microdissection. <i>Journal of Cellular Physiology</i> , 2004, 201, 366-373.	4.1	25
33	Altered gene expression in phenotypically normal renal cells from carriers of tumor suppressor gene mutations. <i>Cancer Biology and Therapy</i> , 2004, 3, 1313-1321.	3.4	24
34	<i>Thymine DNA Glycosylase (TDG)</i> is involved in the pathogenesis of intestinal tumors with reduced <i>APC</i> expression. <i>Oncotarget</i> , 2017, 8, 89988-89997.	1.8	18
35	<i>APC</i> ^{+/Δ} alters colonic fibroblast proteome in FAP. <i>Oncotarget</i> , 2011, 2, 197-208.	1.8	18
36	Interaction with the DNA Repair Protein Thymine DNA Glycosylase Regulates Histone Acetylation by p300. <i>Biochemistry</i> , 2016, 55, 6766-6775.	2.5	17

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37	Complex Relationship between Mismatch Repair Proteins and MBD4 during Immunoglobulin Class Switch Recombination. PLoS ONE, 2013, 8, e78370.	2.5	16
38	Haploinsufficiency in tumor predisposition syndromes: altered genomic transcription in morphologically normal cells heterozygous for <i>VHL</i> or <i>TSC</i> mutation. Oncotarget, 2017, 8, 17628-17642.	1.8	11
39	Clinical and Molecular Features of Anti-CENP-B Autoantibodies. Journal of Molecular Pathology, 2021, 2, 281-295.	1.2	7
40	Modification of the base excision repair enzyme MBD4 by the small ubiquitin-like molecule SUMO1. DNA Repair, 2019, 82, 102687.	2.8	4
41	Active DNA demethylation—The epigenetic gatekeeper of development, immunity, and cancer. Genetics & Genomics Next, 2021, 2, e10033.	1.5	3
42	Analysis of cyclin E and CDK2 in ovarian cancer: Gene amplification and RNA overexpression. International Journal of Cancer, 1998, 75, 34-39.	5.1	2
43	Mutations of the <i>PIK3CA</i> gene in ovarian and breast cancer. Women's Oncology Review, 2005, 5, 223-225.	0.0	1
44	Analysis of cyclin E and CDK2 in ovarian cancer: Gene amplification and RNA overexpression. , 1998, 75, 34.		1
45	Active DNA Demethylation in Development, Human Disease, and Cancer. , 2016, , 517-548.		0