Nickolai A Barlev

List of Publications by Year
in descending order

73	8,046	185998 28	82410 72
papers	citations	h-index	g-index

74	74	74	12523
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Molecular mechanisms of cell death: recommendations of the Nomenclature Committee on Cell Death 2018. Cell Death and Differentiation, 2018, 25, 486-541.	5.0	4,036
2	Regulation of p53 activity through lysine methylation. Nature, 2004, 432, 353-360.	13.7	706
3	Acetylation of p53 Activates Transcription through Recruitment of Coactivators/Histone Acetyltransferases. Molecular Cell, 2001, 8, 1243-1254.	4.5	649
4	Activating Signal Cointegrator 2 Belongs to a Novel Steady-State Complex That Contains a Subset of Trithorax Group Proteins. Molecular and Cellular Biology, 2003, 23, 140-149.	1.1	202
5	Characterization of Physical Interactions of the Putative Transcriptional Adaptor, ADA2, with Acidic Activation Domains and TATA-binding Protein. Journal of Biological Chemistry, 1995, 270, 19337-19344.	1.6	174
6	Methylation-Acetylation Interplay Activates p53 in Response to DNA Damage. Molecular and Cellular Biology, 2007, 27, 6756-6769.	1.1	168
7	Crystal Structure of Yeast Esa1 Suggests a Unified Mechanism for Catalysis and Substrate Binding by Histone Acetyltransferases. Molecular Cell, 2000, 6, 1195-1205.	4.5	151
8	EMT: A mechanism for escape from EGFR-targeted therapy in lung cancer. Biochimica Et Biophysica Acta: Reviews on Cancer, 2019, 1871, 29-39.	3.3	137
9	Specific Drug Delivery to Cancer Cells with Double-Imprinted Nanoparticles against Epidermal Growth Factor Receptor. Nano Letters, 2018, 18, 4641-4646.	4.5	128
10	Repression of GCN5 Histone Acetyltransferase Activity via Bromodomain-Mediated Binding and Phosphorylation by the Kuâ€“DNA-Dependent Protein Kinase Complex. Molecular and Cellular Biology, 1998, 18, 1349-1358.	1.1	117
11	One-carbon metabolism and nucleotide biosynthesis as attractive targets for anticancer therapy. Oncotarget, 2017, 8, 23955-23977.	0.8	107
12	Aldo-keto reductases protect metastatic melanoma from ER stress-independent ferroptosis. Cell Death and Disease, 2019, 10, 902.	2.7	99
13	The biological basis and clinical symptoms of CAR-T therapy-associated toxicites. Cell Death and Disease, 2018, 9, 897.	2.7	90
14	Lysine-specific modifications of p53: a matter of life and death?. Oncotarget, 2013, 4, 1556-1571.	0.8	77
15	The 26S proteasome is a multifaceted target for anti-cancer therapies. Oncotarget, 2015, 6, 24733-24749.	0.8	69
16	A Novel Human Ada2 Homologue Functions with Gcn5 or Brg1 To Coactivate Transcription. Molecular and Cellular Biology, 2003, 23, 6944-6957.	1.1	59
17	DNA damage-induced ubiquitylation of proteasome controls its proteolytic activity. Oncotarget, 2013, 4, 1338-1348.	0.8	52
18	BTK Modulates p53 Activity to Enhance Apoptotic and Senescent Responses. Cancer Research, 2016, 76, 5405-5414.	0.4	50

#	Article	IF	Citations
19	Proteomic analysis of the 20S proteasome (PSMA3)-interacting proteins reveals a functional link between the proteasome and mRNA metabolism. Biochemical and Biophysical Research Communications, 2011, 416, 258-265.	1.0	45
20	KMT Set7/9 affects genotoxic stress response via the Mdm2 axis. Oncotarget, 2015, 6, 25843-25855.	0.8	44
21	Role of ACTN4 in Tumorigenesis, Metastasis, and EMT. Cells, 2019, 8, 1427.	1.8	43
22	Isatin-Schiff base-copper (II) complex induces cell death in p53-positive tumors. Cell Death Discovery, 2018, 4, 103.	2.0	41
23	Interplay between p53 and non-coding RNAs in the regulation of EMT in breast cancer. Cell Death and Disease, 2021, 12, 17.	2.7	40
24	26S proteasome exhibits endoribonuclease activity controlled by extra-cellular stimuli. Cell Cycle, 2010, 9, 840-849.	1.3	37
25	The p53 family member p73 in the regulation of cell stress response. Biology Direct, 2021, 16, 23.	1.9	37
26	TG2 regulates the heatâ€shock response by the postâ€translational modification of HSF1. EMBO Reports, 2018, 19, .	2.0	35
27	Orphan receptor NR4A3 is a novel target of p53 that contributes to apoptosis. Oncogene, 2019, 38, 2108-2122.	2.6	35
28	Role of proteasomes in transcription and their regulation by covalent modifications. Frontiers in Bioscience - Landmark, 2008, Volume, 7184.	3.0	34
29	BTK: a two-faced effector in cancer and tumour suppression. Cell Death and Disease, 2018, 9, 1064.	2.7	28
30	E3 ubiquitin ligase Pirh2 enhances tumorigenic properties of human non-small cell lung carcinoma cells. Genes and Cancer, 2016, 7, 383-393.	0.6	25
31	DNA damage modulates interactions between microRNAs and the 26S proteasome. Oncotarget, 2014, 5, 3555-3567.	0.8	25
32	BTK blocks the inhibitory effects of MDM2 on p53 activity. Oncotarget, 2017, 8, 106639-106647.	0.8	25
33	Current Genome Editing Tools in Gene Therapy: New Approaches to Treat Cancer. Current Gene Therapy, 2015, 15, 511-529.	0.9	25
34	Extracellular Proteasomes Are Deficient in 19S Subunits as Revealed by iTRAQ Quantitative Proteomics. Journal of Cellular Physiology, 2017, 232, 842-851.	2.0	23
35	Non-alcoholic fatty liver disease severity is modulated by transglutaminase type 2. Cell Death and Disease, 2018, 9, 257.	2.7	21
36	Novel isatin-derived molecules activate p53 via interference with Mdm2 to promote apoptosis. Cell Cycle, 2018, 17, 1917-1930.	1.3	21

#	Article	IF	Citations
37	Nano-molecularly imprinted polymers (nanoMIPs) as a novel approach to targeted drug delivery in nanomedicine. RSC Advances, 2022, 12, 3957-3968.	1.7	21
38	Proapoptotic modification of substituted isoindolinones as MDM2-p53 inhibitors. Bioorganic and Medicinal Chemistry Letters, 2017, 27, 5197-5202.	1.0	20
39	Co-expression of RelA/p65 and ACTN4 induces apoptosis in non-small lung carcinoma cells. Cell Cycle, 2018, 17, 01-21.	1.3	18
40	Autophagy suppresses the pathogenic immune response to dietary antigens in cystic fibrosis. Cell Death and Disease, 2019, 10, 258.	2.7	17
41	Attenuation of p53 mutant as an approach for treatment Her2-positive cancer. Cell Death Discovery, 2020, 6, 100.	2.0	17
42	Proteomic analysis of ACTN4-interacting proteins reveals itâ€™s a putative involvement in mRNA metabolism. Biochemical and Biophysical Research Communications, 2010, 397, 192-196.	1.0	16
43	Effects of mycoplasma infection on the host organism response via p53/NFâ€ºB signaling. Journal of Cellular Physiology, 2019, 234, 171-180.	2.0	16
44	Effects of Mycoplasmas on the Host Cell Signaling Pathways. Pathogens, 2020, 9, 308.	1.2	16
45	Sea Urchin as a Universal Model for Studies of Gene Networks. Frontiers in Genetics, 2020, 11, 627259.	1.1	15
46	Opposing Roles of Wild-type and Mutant p53 in the Process of Epithelial to Mesenchymal Transition. Frontiers in Molecular Biosciences, 0, 9, .	1.6	15
47	TAp73 transcriptionally represses BNIP3 expression. Cell Cycle, 2015, 14, 2484-2493.	1.3	14
48	The RNA-binding protein HuR is a novel target of Pirh2 E3 ubiquitin ligase. Cell Death and Disease, 2021, 12, 581.	2.7	14
49	Nutlin sensitizes lung carcinoma cells to interferon-alpha treatment in MDM2-dependent but p53-independent manner. Biochemical and Biophysical Research Communications, 2018, 495, 1233-1239.	1.0	13
50	Simultaneous EGFP and Tag Labeling of the Î²7 Subunit for Live Imaging and Affinity Purification of Functional Human Proteasomes. Molecular Biotechnology, 2015, 57, 36-44.	1.3	12
51	Ca²⁺â€depended signaling pathways regulate selfâ€renewal and pluripotency of stem cells. Cell Biology International, 2018, 42, 1086-1096.	1.4	12
52	Lysine-specific post-translational modifications of proteins in the life cycle of viruses. Cell Cycle, 2019, 18, 1995-2005.	1.3	12
53	KMT Set7/9 is a new regulator of Sam68 STAR-protein. Biochemical and Biophysical Research Communications, 2020, 525, 1018-1024.	1.0	12
54	Set7/9 controls proliferation and genotoxic drug resistance of NSCLC cells. Biochemical and Biophysical Research Communications, 2021, 572, 41-48.	1.0	12

#	Article	IF	Citations
55	Dual Role of p73 in Cancer Microenvironment and DNA Damage Response. Cells, 2021, 10, 3516.	1.8	12
56	SEMG1/2 augment energy metabolism of tumor cells. Cell Death and Disease, 2020, 11, 1047.	2.7	11
57	Zeb1-mediated autophagy enhances resistance of breast cancer cells to genotoxic drugs. Biochemical and Biophysical Research Communications, 2022, 589, 29-34.	1.0	10
58	Combined treatment of human multiple myeloma cells with bortezomib and doxorubicin alters the interactome of 20S proteasomes. Cell Cycle, 2018, 17, 1745-1756.	1.3	9
59	Activating Effect of 3â€Benzylidene Oxindoles on AMPK: From Computer Simulation to Highâ€Content Screening. ChemMedChem, 2020, 15, 2521-2529.	1.6	9
60	Proteomic Analysis of Zeb1 Interactome in Breast Carcinoma Cells. Molecules, 2021, 26, 3143.	1.7	9
61	How Should the Worldwide Knowledge of Traditional Cancer Healing Be Integrated with Herbs and Mushrooms into Modern Molecular Pharmacology?. Pharmaceuticals, 2022, 15, 868.	1.7	7
62	p53-Independent Effects of Set7/9 Lysine Methyltransferase on Metabolism of Non-Small Cell Lung Cancer Cells. Frontiers in Oncology, 2021, 11, 706668.	1.3	6
63	Distinct p63 and p73 Protein Interactions Predict Specific Functions in mRNA Splicing and Polyploidy Control in Epithelia. Cells, 2021, 10, 25.	1.8	6
64	The Role of Lysine Methyltransferase SET7/9 in Proliferation and Cell Stress Response. Life, 2022, 12, 362.	1.1	6
65	Immunoaffinity purification of the functional 20S proteasome from human cells via transient overexpression of specific proteasome subunits. Protein Expression and Purification, 2014, 97, 37-43.	0.6	5
66	Regulation of Endoribonuclease Activity of Alpha-Type Proteasome Subunits in Proerythroleukemia K562 Upon Hemin-Induced Differentiation. Protein Journal, 2016, 35, 17-23.	0.7	5
67	Emerging roles of cancer-testis antigenes, semenogelin 1 and 2, in neoplastic cells. Cell Death Discovery, 2021, 7, 97.	2.0	5
68	The Role of E3 Ligase Pirh2 in Disease. Cells, 2022, 11, 1515.	1.8	5
69	The Role of ERBB2/HER2 Tyrosine Kinase Receptor in the Regulation of Cell Death. Biochemistry (Moscow), 2020, 85, 1277-1287.	0.7	4
70	Regulation of autophagy flux by E3 ubiquitin ligase Pirh2 in lung cancer. Biochemical and Biophysical Research Communications, 2021, 563, 119-125.	1.0	4
71	Anti-cancer Virotherapy in Russia: Lessons from the Past, Current Challenges and Prospects for the Future. Current Pharmaceutical Biotechnology, 2023, 24, 266-278.	0.9	3
72	Hot and toxic: Hyperthermia and anti-mitotic drugs in cancer therapy. Cell Cycle, 2013, 12, 2533-2533.	1.3	2

#	Article	IF	Citations
73	Analysis of activity and regulation of hGcn5, a human histone acetyltransferase. Methods in Enzymology, 1999, 304, 696-715.	0.4	1