

Kyungjae Myung

List of Publications by Year in descending order

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94
papers

5,504
citations

109321

35
h-index

85541

71
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95
all docs

95
docs citations

95
times ranked

6400
citing authors

#	ARTICLE	IF	CITATIONS
1	Tissue-specific DNA damage response in Mouse Whole-body irradiation. <i>Molecular and Cellular Toxicology</i> , 2022, 18, 131-139.	1.7	3
2	Crosstalk between different DNA repair pathways for DNA double strand break repairs. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2022, 873, 503438.	1.7	18
3	Precision targeting tumor cells using cancer-specific InDel mutations with CRISPR-Cas9. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	15
4	Reciprocal interactions among Cobll1, PACSIN2, and SH3BP1 regulate drug resistance in chronic myeloid leukemia. <i>Cancer Medicine</i> , 2022, , .	2.8	2
5	PWWP2B promotes DNA end resection and homologous recombination. <i>EMBO Reports</i> , 2022, , e53492.	4.5	4
6	Distinct Motifs in ATAD5 C-Terminal Domain Modulate PCNA Unloading Process. <i>Cells</i> , 2022, 11, 1832.	4.1	2
7	Loss of adipose TET proteins enhances β -adrenergic responses and protects against obesity by epigenetic regulation of β 3-AR expression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	7
8	AML poor prognosis factor, TPD52, is associated with the maintenance of haematopoietic stem cells through regulation of cell proliferation. <i>Journal of Cellular Biochemistry</i> , 2021, 122, 403-412.	2.6	6
9	TonEBP recognizes R-loops and initiates m6A RNA methylation for R-loop resolution. <i>Nucleic Acids Research</i> , 2021, 49, 269-284.	14.5	41
10	Neuropeptide Y: a potential theranostic biomarker for diabetic peripheral neuropathy in patients with type-2 diabetes. <i>Therapeutic Advances in Chronic Disease</i> , 2021, 12, 204062232110419.	2.5	4
11	NSMF promotes the replication stress-induced DNA damage response for genome maintenance. <i>Nucleic Acids Research</i> , 2021, 49, 5605-5622.	14.5	6
12	Large-scale generation and phenotypic characterization of zebrafish CRISPR mutants of DNA repair genes. <i>DNA Repair</i> , 2021, 107, 103173.	2.8	13
13	Timely termination of repair DNA synthesis by ATAD5 is important in oxidative DNA damage-induced single-strand break repair. <i>Nucleic Acids Research</i> , 2021, 49, 11746-11764.	14.5	13
14	Thrap3 promotes R-loop resolution via interaction with methylated DDX5. <i>Experimental and Molecular Medicine</i> , 2021, 53, 1602-1611.	7.7	17
15	Haematopoietic stem cell-dependent Notch transcription is mediated by p53 through the Histone chaperone Supt16h. <i>Nature Cell Biology</i> , 2020, 22, 1411-1422.	10.3	9
16	Background-suppressed live visualization of genomic loci with an improved CRISPR system based on a split fluorophore. <i>Genome Research</i> , 2020, 30, 1306-1316.	5.5	12
17	<i>O</i> -GlcNAcylation regulates dopamine neuron function, survival and degeneration in Parkinson disease. <i>Brain</i> , 2020, 143, 3699-3716.	7.6	52
18	Flightless-1 inhibits ER stress-induced apoptosis in colorectal cancer cells by regulating Ca ²⁺ homeostasis. <i>Experimental and Molecular Medicine</i> , 2020, 52, 940-950.	7.7	10

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19	ATAD5 restricts R-loop formation through PCNA unloading and RNA helicase maintenance at the replication fork. <i>Nucleic Acids Research</i> , 2020, 48, 7218-7238.	14.5	30
20	<sc><i>FAM213A</i></sc> is linked to prognostic significance in acute myeloid leukemia through regulation of oxidative stress and myelopoiesis. <i>Hematological Oncology</i> , 2020, 38, 381-389.	1.7	10
21	ATAD5 suppresses centrosome over-duplication by regulating UAF1 and ID1. <i>Cell Cycle</i> , 2020, 19, 1952-1968.	2.6	10
22	Ewing sarcoma protein promotes dissociation of poly(<sc>ADP</sc> â€ribose) polymerase 1 from chromatin. <i>EMBO Reports</i> , 2020, 21, e48676.	4.5	16
23	TonEBP Regulates PCNA Polyubiquitination in Response to DNA Damage through Interaction with SHPRH and USP1. <i>IScience</i> , 2019, 19, 177-190.	4.1	13
24	CTCF cooperates with CtIP to drive homologous recombination repair of double-strand breaks. <i>Nucleic Acids Research</i> , 2019, 47, 9160-9179.	14.5	23
25	Regulation of PCNA cycling on replicating DNA by RFC and RFC-like complexes. <i>Nature Communications</i> , 2019, 10, 2420.	12.8	72
26	The structure of human EXD2 reveals a chimeric 3â€² to 5â€² exonuclease domain that discriminates substrates via metal coordination. <i>Nucleic Acids Research</i> , 2019, 47, 7078-7093.	14.5	29
27	Chemoselective Trifluoroethylation Reactions of Quinazolinones and Identification of Photostability. <i>Journal of Organic Chemistry</i> , 2019, 84, 6737-6751.	3.2	26
28	GCA links TRAF6-ULK1-dependent autophagy activation in resistant chronic myeloid leukemia. <i>Autophagy</i> , 2019, 15, 2076-2090.	9.1	33
29	Hypomorphic Mutations in TONSL Cause SPONASTRIME Dysplasia. <i>American Journal of Human Genetics</i> , 2019, 104, 439-453.	6.2	16
30	ATAD5 promotes replication restart by regulating RAD51 and PCNA in response to replication stress. <i>Nature Communications</i> , 2019, 10, 5718.	12.8	35
31	PCNA Unloading Is Negatively Regulated by BET Proteins. <i>Cell Reports</i> , 2019, 29, 4632-4645.e5.	6.4	25
32	Tonicity-responsive enhancer-binding protein promotes hepatocellular carcinogenesis, recurrence and metastasis. <i>Gut</i> , 2019, 68, 347-358.	12.1	39
33	Eukaryotic 4Rs: DNA replication, repair, recombination, and damage response. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2018, 809, 56-57.	1.0	0
34	Eukaryotic DNA replication: Orchestrated action of multi-subunit protein complexes. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2018, 809, 58-69.	1.0	21
35	Ring finger protein 126 (RNF126) suppresses ionizing radiationâ€“induced p53-binding protein 1 (53BP1) focus formation. <i>Journal of Biological Chemistry</i> , 2018, 293, 588-598.	3.4	12
36	SHPRH as a new player in ribosomal RNA transcription and its potential role in homeostasis of ribosomal DNA repeats. <i>Transcription</i> , 2018, 9, 190-195.	3.1	6

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37	SHPRH regulates rRNA transcription by recognizing the histone code in an mTOR-dependent manner. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E3424-E3433.	7.1	25
38	An Annulative Synthetic Strategy for Building Triphenylene Frameworks by Multiple C-H Bond Activations. <i>Angewandte Chemie</i> , 2017, 129, 5089-5093.	2.0	14
39	An Annulative Synthetic Strategy for Building Triphenylene Frameworks by Multiple C-H Bond Activations. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 5007-5011.	13.8	61
40	Direct diversification of unmasked quinazolin-4(3H)-ones through orthogonal reactivity modulation. <i>Chemical Communications</i> , 2017, 53, 10394-10397.	4.1	51
41	Microhomology-mediated end joining induces hypermutagenesis at breakpoint junctions. <i>PLoS Genetics</i> , 2017, 13, e1006714.	3.5	31
42	Cobll1: A new player in CML. <i>Oncotarget</i> , 2017, 8, 90626-90627.	1.8	0
43	Copper-Catalyzed Direct Synthesis of 1,2,4-Oxadiazoles from Amides and Organic Nitriles by Oxidative N-O Bond Formation. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 438-442.	2.4	27
44	A Novel Chemotherapeutic Agent to Treat Tumors with DNA Mismatch Repair Deficiencies. <i>Cancer Research</i> , 2016, 76, 4183-4191.	0.9	21
45	TRAIPI/RNF206 is required for recruitment of RAP80 to sites of DNA damage. <i>Nature Communications</i> , 2016, 7, 10463.	12.8	42
46	ATAD5 Deficiency Decreases B Cell Division and <i>Igh</i> Recombination. <i>Journal of Immunology</i> , 2015, 194, 35-42.	0.8	10
47	Hyper-Acetylation of Histone H3K56 Limits Break-Induced Replication by Inhibiting Extensive Repair Synthesis. <i>PLoS Genetics</i> , 2015, 11, e1004990.	3.5	33
48	A novel role for the mono-ADP-ribosyltransferase PARP14/ARTD8 in promoting homologous recombination and protecting against replication stress. <i>Nucleic Acids Research</i> , 2015, 43, 3143-3153.	14.5	48
49	Targeting the cancer cell state. <i>Cell Cycle</i> , 2015, 14, 2385-2386.	2.6	0
50	Histone Deacetylase Inhibitors Selectively Target Homology Dependent DNA Repair Defective Cells and Elevate Non-Homologous Endjoining Activity. <i>PLoS ONE</i> , 2014, 9, e87203.	2.5	17
51	ATAD5 regulates the lifespan of DNA replication factories by modulating PCNA level on the chromatin. <i>Journal of Cell Biology</i> , 2013, 200, 31-44.	5.2	105
52	Is PCNA unloading the central function of the Elg1/ATAD5 replication factor C-like complex?. <i>Cell Cycle</i> , 2013, 12, 2570-2579.	2.6	37
53	Unligated Okazaki Fragments Induce PCNA Ubiquitination and a Requirement for Rad59-Dependent Replication Fork Progression. <i>PLoS ONE</i> , 2013, 8, e66379.	2.5	21
54	High-throughput genotoxicity assay identifies antioxidants as inducers of DNA damage response and cell death. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 5423-5428.	7.1	104

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55	Rad5-dependent DNA Repair Functions of the <i>Saccharomyces cerevisiae</i> FANCM Protein Homolog Mph1. <i>Journal of Biological Chemistry</i> , 2012, 287, 26563-26575.	3.4	31
56	Reply to Kojo: Mechanisms of antioxidant-induced DNA damage. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, E2029-E2029.	7.1	1
57	Cell-based high-throughput screens for the discovery of chemotherapeutic agents. <i>Oncotarget</i> , 2012, 3, 581-585.	1.8	10
58	DNA-PK-Dependent RPA2 Hyperphosphorylation Facilitates DNA Repair and Suppresses Sister Chromatid Exchange. <i>PLoS ONE</i> , 2011, 6, e21424.	2.5	62
59	Myelodysplasia in autosomal dominant and sporadic monocytopenia immunodeficiency syndrome: diagnostic features and clinical implications. <i>Haematologica</i> , 2011, 96, 1221-1225.	3.5	97
60	PCNA Ubiquitination Is Important, But Not Essential for Translesion DNA Synthesis in Mammalian Cells. <i>PLoS Genetics</i> , 2011, 7, e1002262.	3.5	113
61	Predisposition to Cancer Caused by Genetic and Functional Defects of Mammalian Atad5. <i>PLoS Genetics</i> , 2011, 7, e1002245.	3.5	73
62	The Complete Spectrum of Yeast Chromosome Instability Genes Identifies Candidate CIN Cancer Genes and Functional Roles for ASTRA Complex Components. <i>PLoS Genetics</i> , 2011, 7, e1002057.	3.5	156
63	The exon junction complex component Magoh controls brain size by regulating neural stem cell division. <i>Nature Neuroscience</i> , 2010, 13, 551-558.	14.8	156
64	Human ELG1 Regulates the Level of Ubiquitinated Proliferating Cell Nuclear Antigen (PCNA) through Its Interactions with PCNA and USP1. <i>Journal of Biological Chemistry</i> , 2010, 285, 10362-10369.	3.4	110
65	A Histone-Fold Complex and FANCM Form a Conserved DNA-Remodeling Complex to Maintain Genome Stability. <i>Molecular Cell</i> , 2010, 37, 865-878.	9.7	204
66	Faithful after break-up: suppression of chromosomal translocations. <i>Cellular and Molecular Life Sciences</i> , 2009, 66, 3149-3160.	5.4	11
67	Smc5-Smc6 complex suppresses gross chromosomal rearrangements mediated by break-induced replications. <i>DNA Repair</i> , 2008, 7, 1426-1436.	2.8	27
68	Polyubiquitination of proliferating cell nuclear antigen by HLTF and SHPRH prevents genomic instability from stalled replication forks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 12411-12416.	7.1	237
69	Dynamic Regulation of Single-Stranded Telomeres in <i>Saccharomyces cerevisiae</i> . <i>Genetics</i> , 2008, 178, 693-701.	2.9	10
70	Spt2p Defines a New Transcription-Dependent Gross Chromosomal Rearrangement Pathway. <i>PLoS Genetics</i> , 2008, 4, e1000290.	3.5	19
71	Mph1p promotes gross chromosomal rearrangement through partial inhibition of homologous recombination. <i>Journal of Cell Biology</i> , 2008, 181, 1083-1093.	5.2	42
72	PCNA modifications for regulation of post-replication repair pathways. <i>Molecules and Cells</i> , 2008, 26, 5-11.	2.6	127

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73	Suppression of gross chromosomal rearrangements by a new alternative replication factor C complex. <i>Biochemical and Biophysical Research Communications</i> , 2007, 362, 546-549.	2.1	13
74	Genetic analysis of ionizing radiation-induced mutagenesis in <i>Saccharomyces cerevisiae</i> reveals TransLesion Synthesis (TLS) independent of PCNA K164 SUMOylation and ubiquitination. <i>DNA Repair</i> , 2006, 5, 1475-1488.	2.8	21
75	Smc5 α -Smc6 mediate DNA double-strand-break repair by promoting sister-chromatid recombination. <i>Nature Cell Biology</i> , 2006, 8, 1032-1034.	10.3	170
76	Functional Analyses of Glycyl-tRNA Synthetase Mutations Suggest a Key Role for tRNA-Charging Enzymes in Peripheral Axons. <i>Journal of Neuroscience</i> , 2006, 26, 10397-10406.	3.6	112
77	Regulation of Gross Chromosomal Rearrangements by Ubiquitin and SUMO Ligases in <i>Saccharomyces cerevisiae</i> . <i>Molecular and Cellular Biology</i> , 2006, 26, 1424-1433.	2.3	65
78	Evidence Suggesting that Pif1 Helicase Functions in DNA Replication with the Dna2 Helicase/Nuclease and DNA Polymerase δ . <i>Molecular and Cellular Biology</i> , 2006, 26, 2490-2500.	2.3	184
79	Suppression of gross chromosomal rearrangements by yKu70-yKu80 heterodimer through DNA damage checkpoints. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 1816-1821.	7.1	12
80	Human SHPRH suppresses genomic instability through proliferating cell nuclear antigen polyubiquitination. <i>Journal of Cell Biology</i> , 2006, 175, 703-708.	5.2	170
81	The Rad1-Rad10 Complex Promotes the Production of Gross Chromosomal Rearrangements From Spontaneous DNA Damage in <i>Saccharomyces cerevisiae</i> . <i>Genetics</i> , 2005, 169, 1927-1937.	2.9	26
82	Suppression of gross chromosomal rearrangements by the multiple functions of the Mre11 α -Rad50 α -Xrs2 complex in <i>Saccharomyces cerevisiae</i> . <i>DNA Repair</i> , 2005, 4, 606-617.	2.8	34
83	Regulation of Telomere Length and Suppression of Genomic Instability in Human Somatic Cells by Ku86. <i>Molecular and Cellular Biology</i> , 2004, 24, 5050-5059.	2.3	91
84	Increased Genome Instability and Telomere Length in the <i>elg1</i> -Deficient <i>Saccharomyces cerevisiae</i> Mutant Are Regulated by S-Phase Checkpoints. <i>Eukaryotic Cell</i> , 2004, 3, 1557-1566.	3.4	44
85	Induction of genome instability by DNA damage in <i>Saccharomyces cerevisiae</i> . <i>DNA Repair</i> , 2003, 2, 243-258.	2.8	74
86	Maintenance of Genome Stability in <i>Saccharomyces cerevisiae</i> . <i>Science</i> , 2002, 297, 552-557.	12.6	442
87	Suppression of genome instability by redundant S-phase checkpoint pathways in <i>Saccharomyces cerevisiae</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 4500-4507.	7.1	135
88	Suppression of Spontaneous Chromosomal Rearrangements by S Phase Checkpoint Functions in <i>Saccharomyces cerevisiae</i> . <i>Cell</i> , 2001, 104, 397-408.	28.9	301
89	SGS1, the <i>Saccharomyces cerevisiae</i> homologue of BLM and WRN, suppresses genome instability and homeologous recombination. <i>Nature Genetics</i> , 2001, 27, 113-116.	21.4	309
90	Multiple pathways cooperate in the suppression of genome instability in <i>Saccharomyces cerevisiae</i> . <i>Nature</i> , 2001, 411, 1073-1076.	27.8	336

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91	Checkpoint-Dependent Activation of Mutagenic Repair in <i>Saccharomyces cerevisiae</i> pol3-01 Mutants. <i>Molecular Cell</i> , 2000, 6, 593-603.	9.7	94
92	Identification of Two Domains of the p70 Ku Protein Mediating Dimerization with p80 and DNA Binding. <i>Journal of Biological Chemistry</i> , 1998, 273, 842-848.	3.4	69
93	Differential expression of the <i>rhp51+</i> gene, a <i>recA</i> and <i>RAD51</i> homolog from the fission yeast <i>Schizosaccharomyces pombe</i> . <i>Gene</i> , 1996, 169, 125-130.	2.2	19
94	A novel mechanism of regulation of SHPRH by circular RNA, circ-SHPRH in glioblastoma. <i>Non-coding RNA Investigation</i> , 0, 2, 31-31.	0.6	0