Hyeon-Sook Koo

List of Publications by Year
in descending order

37	1,813	566801 15	329751 37
papers	citations	h-index	g-index

37	37	37	1564
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	DNA bending at adenine Â· thymine tracts. Nature, 1986, 320, 501-506.	13.7	1,105
2	The Caenorhabditis elegans AMP-activated Protein Kinase AAK-2 Is Phosphorylated by LKB1 and Is Required for Resistance to Oxidative Stress and for Normal Motility and Foraging Behavior. Journal of Biological Chemistry, 2008, 283, 14988-14993.	1.6	83
3	Caenorhabditis elegans mitofilin homologs control the morphology of mitochondrial cristae and influence reproduction and physiology. Journal of Cellular Physiology, 2010, 224, 748-756.	2.0	68
4	A Werner syndrome protein homolog affects C. elegansdevelopment, growth rate, life span and sensitivity to DNA damage by acting at a DNA damage checkpoint. Development (Cambridge), 2004, 131, 2565-2575.	1.2	53
5	The Caenorhabditis elegans Werner Syndrome Protein Functions Upstream of ATR and ATM in Response to DNA Replication Inhibition and Double-Strand DNA Breaks. PLoS Genetics, 2010, 6, e1000801.	1.5	50
6	Enzymatic properties of the Caenorhabditis elegans Dna2 endonuclease/helicase and a species-specific interaction between RPA and Dna2. Nucleic Acids Research, 2005, 33, 1372-1383.	6.5	32
7	The efficiency of RNA interference in Bursaphelenchus xylophilus. Molecules and Cells, 2008, 26, 81-6.	1.0	32
8	Deficiency of Caenorhabditis elegans RecQ5 homologue reduces life span and increases sensitivity to ionizing radiation. DNA Repair, 2003, 2, 1309-1319.	1.3	26
9	The involvement of FANCM, FANCI, and checkpoint proteins in the interstrand DNA crosslink repair pathway is conserved in C. elegans. DNA Repair, 2010, 9, 374-382.	1.3	25
10	The gene expression and deficiency phenotypes of Cockayne syndrome B protein inCaenorhabditis elegans. FEBS Letters, 2002, 522, 47-51.	1.3	23
11	Caenorhabditis elegans as a screening tool for the endothelial cell-derived putative aging-related proteins detected by proteomic analysis. Proteomics, 2006, 6, 3339-3351.	1.3	23
12	A DNA repair gene of Caenorhabditis elegans: a homolog of human XPF. DNA Repair, 2004, 3, 1375-1383.	1.3	20
13	Developmental stage- and DNA damage-specific functions of C. elegans FANCD2. Biochemical and Biophysical Research Communications, 2007, 352, 479-485.	1.0	20
14	Dna2 requirement for normal reproduction of Caenorhabditis elegans is temperature-dependent. Molecules and Cells, 2003, 15, 81-6.	1.0	18
15	The Caenorhabditis elegans XPA homolog of human XPA. Molecules and Cells, 2002, 14, 50-5.	1.0	17
16	Coaction of DNA topoisomerase IIIÎ± and a RecQ homologue during the germ-line mitosis inCaenorhabditis elegans. Genes To Cells, 2002, 7, 19-27.	0.5	15
17	Physical and Functional Interactions of Caenorhabditis elegansWRN-1 Helicase with RPA-1. Biochemistry, 2012, 51, 1336-1345.	1.2	15
18	The 53BP1 Homolog in C. elegans Influences DNA Repair and Promotes Apoptosis in Response to Ionizing Radiation. PLoS ONE, 2013, 8, e64028.	1.1	15

#	Article	IF	Citations
19	Regulation of gene expression, cellular localization, and in vivo function of Caenorhabditis elegans DNA topoisomerase I. Genes To Cells, 2001, 6, 303-312.	0.5	14
20	Single-strand annealing mediates the conservative repair of double-strand DNA breaks in homologous recombination-defective germ cells of Caenorhabditis elegans. DNA Repair, 2019, 75, 18-28.	1.3	14
21	Cloning and Characterization of the 5â€²-Flanking Region for the Human Topoisomerase III Gene. Journal of Biological Chemistry, 1998, 273, 26130-26137.	1.6	13
22	C. elegans Ring Finger Protein RNF-113 Is Involved in Interstrand DNA Crosslink Repair and Interacts with a RAD51C Homolog. PLoS ONE, 2013, 8, e60071.	1.1	13
23	A PHF8 Homolog in C. elegans Promotes DNA Repair via Homologous Recombination. PLoS ONE, 2015, 10, e0123865.	1.1	12
24	Helical Periodicity of GA-Alternating Triple-Stranded DNAâ€. Biochemistry, 1996, 35, 968-972.	1.2	11
25	Alternative splicing in the Caenorhabditis elegans DNA topoisomerase I gene. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1998, 1396, 207-214.	2.4	11
26	Caenorhabditis elegans dna-2 is involved in DNA repair and is essential for germ-line development. FEBS Letters, 2003, 555, 250-256.	1.3	11
27	Identification of a DNA supercoiling activity inSaccharomyces cerevisiae. Nucleic Acids Research, 1992, 20, 5067-5072.	6.5	10
28	DICâ€1 overâ€expression enhances respiratory activity in Caenorhabditis elegans by promoting mitochondrial cristae formation. Genes To Cells, 2009, 14, 319-327.	0.5	10
29	Hypersensitivity to DNA doubleâ€strand breaks associated with PARG deficiency is suppressed by exoâ€1 and polqâ€1 mutations in CaenorhabditisÂelegans. FEBS Journal, 2020, 287, 1101-1115.	2.2	10
30	A deubiquitinating enzyme, UCH/CeUBP130, has an essential role in the formation of a functional microtubule-organizing centre (MTOC) during early cleavage inC. elegans. Genes To Cells, 2001, 6, 899-911.	0.5	9
31	The Caenorhabditis elegans <scp>WRN</scp> helicase promotes doubleâ€strand <scp>DNA</scp> break repair by mediating end resection and checkpoint activation. FEBS Letters, 2017, 591, 2155-2166.	1.3	9
32	Roles of <i>Caenorhabditis elegans</i> WRN Helicase in DNA Damage Responses, and a Comparison with Its Mammalian Homolog: A Mini-Review. Gerontology, 2016, 62, 296-303.	1.4	8
33	cDNA Cloning, Expression, and Chromosomal Localization of Caenorhabditis elegans DNA Topoisomerase I. FEBS Journal, 1996, 237, 367-372.	0.2	6
34	STR-33, a Novel G Protein-coupled Receptor That Regulates Locomotion and Egg Laying in Caenorhabditis elegans. Journal of Biological Chemistry, 2011, 286, 39860-39870.	1.6	4
35	Transgene-mediated co-suppression of DNA topoisomerase-1 gene in Caenorhabditis elegans. International Journal of Biochemistry and Molecular Biology, 2014, 5, 11-20.	0.1	4
36	A novel functional cross-interaction between opioid and pheromone signaling may be involved in stress avoidance in Caenorhabditis elegans. Scientific Reports, 2020, 10, 7524.	1.6	3

#	Article	IF	Citations
37	AP2M1 Supports TGF-Î² Signals to Promote Collagen Expression by Inhibiting Caveolin Expression. International Journal of Molecular Sciences, 2021, 22, 1639.	1.8	1