

Kaoru Sugasawa

List of Publications by Citations

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

62

papers

5,185

citations

35

h-index

64

g-index

64

ext. papers

5,630

ext. citations

10

avg, IF

5.38

L-index

#	Paper	IF	Citations
62	Xeroderma pigmentosum group C protein complex is the initiator of global genome nucleotide excision repair. <i>Molecular Cell</i> , 1998 , 2, 223-32	17.6	712
61	UV-induced ubiquitylation of XPC protein mediated by UV-DDB-ubiquitin ligase complex. <i>Cell</i> , 2005 , 121, 387-400	56.2	459
60	The molecular basis of CRL4DDB2/CSA ubiquitin ligase architecture, targeting, and activation. <i>Cell</i> , 2011 , 147, 1024-39	56.2	294
59	Centrosome protein centrin 2/caltractin 1 is part of the xeroderma pigmentosum group C complex that initiates global genome nucleotide excision repair. <i>Journal of Biological Chemistry</i> , 2001 , 276, 18665-72	5.4	259
58	Interaction of hHR23 with S5a. The ubiquitin-like domain of hHR23 mediates interaction with S5a subunit of 26 S proteasome. <i>Journal of Biological Chemistry</i> , 1999 , 274, 28019-25	5.4	219
57	The xeroderma pigmentosum group C protein complex XPC-HR23B plays an important role in the recruitment of transcription factor IIH to damaged DNA. <i>Journal of Biological Chemistry</i> , 2000 , 275, 9870-5	5.4	199
56	Centrin 2 stimulates nucleotide excision repair by interacting with xeroderma pigmentosum group C protein. <i>Molecular and Cellular Biology</i> , 2005 , 25, 5664-74	4.8	196
55	A novel regulation mechanism of DNA repair by damage-induced and RAD23-dependent stabilization of xeroderma pigmentosum group C protein. <i>Genes and Development</i> , 2003 , 17, 1630-45	12.6	190
54	Crystal structure of thymine DNA glycosylase conjugated to SUMO-1. <i>Nature</i> , 2005 , 435, 979-82	50.4	175
53	PARP1 promotes nucleotide excision repair through DDB2 stabilization and recruitment of ALC1. <i>Journal of Cell Biology</i> , 2012 , 199, 235-49	7.3	164
52	A molecular mechanism for DNA damage recognition by the xeroderma pigmentosum group C protein complex. <i>DNA Repair</i> , 2002 , 1, 95-107	4.3	147
51	Two-step recognition of DNA damage for mammalian nucleotide excision repair: Directional binding of the XPC complex and DNA strand scanning. <i>Molecular Cell</i> , 2009 , 36, 642-53	17.6	142
50	DNA repair protein XPA binds replication protein A (RPA). <i>Journal of Biological Chemistry</i> , 1995 , 270, 4152-7	5.4	127
49	Cullin-RING ubiquitin E3 ligase regulation by the COP9 signalosome. <i>Nature</i> , 2016 , 531, 598-603	50.4	125
48	Xeroderma pigmentosum group C protein interacts physically and functionally with thymine DNA glycosylase. <i>EMBO Journal</i> , 2003 , 22, 164-73	13	105
47	The XPC-HR23B complex displays high affinity and specificity for damaged DNA in a true-equilibrium fluorescence assay. <i>Biochemistry</i> , 2002 , 41, 6583-7	3.2	100
46	The xeroderma pigmentosum pathway: decision tree analysis of DNA quality. <i>DNA Repair</i> , 2011 , 10, 673-83	4.3	96

45	Diversity of the damage recognition step in the global genomic nucleotide excision repair in vitro. <i>Mutation Research DNA Repair</i> , 2001 , 485, 219-27		93
44	Tripartite DNA Lesion Recognition and Verification by XPC, TFIIH, and XPA in Nucleotide Excision Repair. <i>Molecular Cell</i> , 2015 , 59, 1025-34	17.6	89
43	Developmental defects and male sterility in mice lacking the ubiquitin-like DNA repair gene mHR23B. <i>Molecular and Cellular Biology</i> , 2002 , 22, 1233-45	4.8	89
42	DNA bending by the human damage recognition complex XPC-HR23B. <i>DNA Repair</i> , 2003 , 2, 325-36	4.3	82
41	Regulation of damage recognition in mammalian global genomic nucleotide excision repair. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2010 , 685, 29-37	3.3	78
40	The carboxy-terminal domain of the XPC protein plays a crucial role in nucleotide excision repair through interactions with transcription factor IIH. <i>DNA Repair</i> , 2002 , 1, 449-61	4.3	74
39	Molecular mechanisms of DNA damage recognition for mammalian nucleotide excision repair. <i>DNA Repair</i> , 2016 , 44, 110-117	4.3	69
38	FANCD2 binds CtIP and regulates DNA-end resection during DNA interstrand crosslink repair. <i>Cell Reports</i> , 2014 , 7, 1039-47	10.6	64
37	UV-DDB-dependent regulation of nucleotide excision repair kinetics in living cells. <i>DNA Repair</i> , 2009 , 8, 767-76	4.3	64
36	Xeroderma pigmentosum genes: functions inside and outside DNA repair. <i>Carcinogenesis</i> , 2008 , 29, 455-456	4.5	59
35	Relative levels of the two mammalian Rad23 homologs determine composition and stability of the xeroderma pigmentosum group C protein complex. <i>DNA Repair</i> , 2004 , 3, 1285-95	4.3	57
34	UV-induced ubiquitylation of XPC complex, the UV-DDB-ubiquitin ligase complex, and DNA repair. <i>Journal of Molecular Histology</i> , 2006 , 37, 189-202	3.3	51
33	Mechanism and regulation of DNA damage recognition in nucleotide excision repair. <i>Genes and Environment</i> , 2019 , 41, 2	2.8	50
32	Nucleosomal structure of undamaged DNA regions suppresses the non-specific DNA binding of the XPC complex. <i>DNA Repair</i> , 2005 , 4, 389-95	4.3	46
31	DNA damage detection in nucleosomes involves DNA register shifting. <i>Nature</i> , 2019 , 571, 79-84	50.4	41
30	Structure-function analysis of the EF-hand protein centrin-2 for its intracellular localization and nucleotide excision repair. <i>Nucleic Acids Research</i> , 2013 , 41, 6917-29	20.1	40
29	In vivo destabilization and functional defects of the xeroderma pigmentosum C protein caused by a pathogenic missense mutation. <i>Molecular and Cellular Biology</i> , 2007 , 27, 6606-14	4.8	40
28	Functional regulation of the DNA damage-recognition factor DDB2 by ubiquitination and interaction with xeroderma pigmentosum group C protein. <i>Nucleic Acids Research</i> , 2015 , 43, 1700-13	20.1	39

27	UV-DDB: a molecular machine linking DNA repair with ubiquitination. <i>DNA Repair</i> , 2009 , 8, 969-72	4.3	34
26	Structural basis of pyrimidine-pyrimidone (6-4) photoproduct recognition by UV-DDB in the nucleosome. <i>Scientific Reports</i> , 2015 , 5, 16330	4.9	32
25	SUMOylation of xeroderma pigmentosum group C protein regulates DNA damage recognition during nucleotide excision repair. <i>Scientific Reports</i> , 2015 , 5, 10984	4.9	28
24	XPC: its product and biological roles. <i>Advances in Experimental Medicine and Biology</i> , 2008 , 637, 47-56	3.6	25
23	Structural Insight into the Mechanism of TFIIH Recognition by the Acidic String of the Nucleotide Excision Repair Factor XPC. <i>Structure</i> , 2015 , 23, 1827-1837	5.2	23
22	Stimulation of DNA Glycosylase Activities by XPC Protein Complex: Roles of Protein-Protein Interactions. <i>Journal of Nucleic Acids</i> , 2010 , 2010,	2.3	21
21	The CUL4 enigma: culling DNA repair factors. <i>Molecular Cell</i> , 2009 , 34, 403-4	17.6	20
20	Xeroderma pigmentosum group C protein interacts with histones: regulation by acetylated states of histone H3. <i>Genes To Cells</i> , 2017 , 22, 310-327	2.3	19
19	Two different replication factor C proteins, Ctf18 and RFC1, separately control PCNA-CRL4Cdt2-mediated Cdt1 proteolysis during S phase and following UV irradiation. <i>Molecular and Cellular Biology</i> , 2012 , 32, 2279-88	4.8	19
18	Novel function of HATs and HDACs in homologous recombination through acetylation of human RAD52 at double-strand break sites. <i>PLoS Genetics</i> , 2018 , 14, e1007277	6	19
17	Crystal structure of the nucleosome containing ultraviolet light-induced cyclobutane pyrimidine dimer. <i>Biochemical and Biophysical Research Communications</i> , 2016 , 471, 117-22	3.4	13
16	Mechanism and regulation of DNA damage recognition in mammalian nucleotide excision repair. <i>The Enzymes</i> , 2019 , 45, 99-138	2.3	12
15	FANCD2 is a target for caspase 3 during DNA damage-induced apoptosis. <i>FEBS Letters</i> , 2014 , 588, 3778-858	3.5	11
14	Mismatch repair proteins recruited to ultraviolet light-damaged sites lead to degradation of licensing factor Cdt1 in the G1 phase. <i>Cell Cycle</i> , 2017 , 16, 673-684	4.7	10
13	Processing of a single ribonucleotide embedded into DNA by human nucleotide excision repair and DNA polymerase ϵ <i>Scientific Reports</i> , 2019 , 9, 13910	4.9	7
12	Polymorphism of apyrimidinic DNA structures in the nucleosome. <i>Scientific Reports</i> , 2017 , 7, 41783	4.9	7
11	Fluorescence detection of cellular nucleotide excision repair of damaged DNA. <i>Scientific Reports</i> , 2014 , 4, 5578	4.9	7
10	Functional impacts of the ubiquitin-proteasome system on DNA damage recognition in global genome nucleotide excision repair. <i>Scientific Reports</i> , 2020 , 10, 19704	4.9	6

9	Mutations at multiple CDK phosphorylation consensus sites on Cdt2 increase the affinity of CRL4 for PCNA and its ubiquitination activity in S phase. <i>Genes To Cells</i> , 2018 , 23, 200-213	2.3	5
8	The xeroderma pigmentosum group C protein complex and ultraviolet-damaged DNA-binding protein: functional assays for damage recognition factors involved in global genome repair. <i>Methods in Enzymology</i> , 2006 , 408, 171-88	1.7	5
7	Thymine DNA glycosylase modulates DNA damage response and gene expression by base excision repair-dependent and independent mechanisms. <i>Genes To Cells</i> , 2017 , 22, 392-405	2.3	4
6	Human SIRT2 and SIRT3 deacetylases function in DNA homologous recombinational repair. <i>Genes To Cells</i> , 2021 , 26, 328-335	2.3	4
5	USP44 Stabilizes DDB2 to Facilitate Nucleotide Excision Repair and Prevent Tumors. <i>Frontiers in Cell and Developmental Biology</i> , 2021 , 9, 663411	5.7	2
4	Molecular Mechanism of DNA Damage Recognition for Global Genomic Nucleotide Excision Repair: A Defense System Against UV-Induced Skin Cancer 2019 , 1-23		1
3	Histone deacetylation regulates nucleotide excision repair through an interaction with the XPC protein.. <i>IScience</i> , 2022 , 25, 104040	6.1	1
2	DNA Damage Recognition and Repair in Mammalian Global Genome Nucleotide Excision Repair 2016 , 155-174		
1	Molecular Basis of DNA Quality Control for Mammalian Nucleotide Excision Repair. <i>Seibutsu Butsuri</i> , 2015 , 55, 137-141		0