

# Joann B Sweasy

## List of Publications by Year in descending order

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46  
papers

1,370  
citations

430442

18  
h-index

360668

35  
g-index

46  
all docs

46  
docs citations

46  
times ranked

1768  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mouse Embryonic Fibroblasts Isolated From Nthl1 D227Y Knockin Mice Exhibit Defective DNA Repair and Increased Genome Instability. <i>DNA Repair</i> , 2022, 109, 103247.	1.3	0
2	The hematopoietic compartment is sufficient for lupus development resulting from the POLB-Y265C mutation. <i>PLoS ONE</i> , 2022, 17, e0267913.	1.1	0
3	A Collapsed Fingers Subdomain is the Basis for DNA Polymerase $\beta$ I260M Mutator Activity. <i>FASEB Journal</i> , 2022, 36, .	0.2	0
4	Differential immunomodulatory effect of PARP inhibition in BRCA1 deficient and competent tumor cells. <i>Biochemical Pharmacology</i> , 2021, 184, 114359.	2.0	8
5	DNA glycosylase deficiency leads to decreased severity of lupus in the Polb-Y265C mouse model. <i>DNA Repair</i> , 2021, 105, 103152.	1.3	3
6	NTHL1 in genomic integrity, aging and cancer. <i>DNA Repair</i> , 2020, 93, 102920.	1.3	23
7	Using single-molecule FRET to probe the nucleotide-dependent conformational landscape of polymerase $\beta$ -DNA complexes. <i>Journal of Biological Chemistry</i> , 2020, 295, 9012-9020.	1.6	4
8	Timing Is Everything: Misincorporation of 8oxodG during Mitosis Is Lethal. <i>Cancer Research</i> , 2020, 80, 3459-3460.	0.4	0
9	DNA polymerase $\beta$ : Friend or foe?. <i>Science Signaling</i> , 2020, 13, .	1.6	3
10	Revealing an Internal Stabilization Deficiency in the DNA Polymerase $\beta$ K289M Cancer Variant through the Combined Use of Chemical Biology and X-ray Crystallography. <i>Biochemistry</i> , 2020, 59, 955-963.	1.2	0
11	A new perspective on oxidation of DNA repair proteins and cancer. <i>DNA Repair</i> , 2019, 76, 60-69.	1.3	28
12	Synthesis of ortho-formylphenylphosphonic acids as covalent probes of active site lysines. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2019, 194, 313-314.	0.8	1
13	203â€¦A mismatch repair genetic variant is linked to the development of lupus. , 2019, , .		0
14	DNA polymerase beta participates in DNA End-joining. <i>Nucleic Acids Research</i> , 2018, 46, 242-255.	6.5	181
15	I260Q DNA polymerase $\beta$ highlights precatalytic conformational rearrangements critical for fidelity. <i>Nucleic Acids Research</i> , 2018, 46, 10740-10756.	6.5	8
16	Probing DNA Base-Dependent Leaving Group Kinetic Effects on the DNA Polymerase Transition State. <i>Biochemistry</i> , 2018, 57, 3925-3933.	1.2	18
17	DNA Polymerase Beta Germline Variant Confers Cellular Response to Cisplatin Therapy. <i>Molecular Cancer Research</i> , 2017, 15, 269-280.	1.5	22
18	Remote Mutations Induce Functional Changes in Active Site Residues of Human DNA Polymerase $\beta$ . <i>Biochemistry</i> , 2017, 56, 2363-2371.	1.2	9

#	ARTICLE	IF	CITATIONS
19	DNA repair and systemic lupus erythematosus. <i>DNA Repair</i> , 2017, 56, 174-182.	1.3	24
20	A Change in the Rate-Determining Step of Polymerization by the K289M DNA Polymerase $\beta$ Cancer-Associated Variant. <i>Biochemistry</i> , 2017, 56, 2096-2105.	1.2	16
21	Defective Nucleotide Release by DNA Polymerase $\beta$ Mutator Variant E288K Is the Basis of Its Low Fidelity. <i>Biochemistry</i> , 2017, 56, 5550-5559.	1.2	11
22	DNA Polymerase $\beta$ Cancer-Associated Variant I260M Exhibits Nonspecific Selectivity toward the $\beta$ - $\gamma$ Bridging Group of the Incoming dNTP. <i>Biochemistry</i> , 2017, 56, 5449-5456.	1.2	7
23	Base Excision Repair Variants in Cancer. <i>Methods in Enzymology</i> , 2017, 591, 119-157.	0.4	26
24	Estrogen Drives Cellular Transformation and Mutagenesis in Cells Expressing the Breast Cancer-Associated R438W DNA Polymerase Lambda Protein. <i>Molecular Cancer Research</i> , 2016, 14, 1068-1077.	1.5	12
25	Evelyn Witkin and the coordinated response to DNA damage. <i>DNA Repair</i> , 2015, 35, 154-155.	1.3	0
26	The R280H X-ray cross-complementing 1 germline variant induces genomic instability and cellular transformation. <i>DNA Repair</i> , 2015, 31, 73-79.	1.3	7
27	Tumor-associated mutations in a conserved structural motif alter physical and biochemical properties of human RAD51 recombinase. <i>Nucleic Acids Research</i> , 2015, 43, 1098-1111.	6.5	27
28	Pools and Pols: Mechanism of a mutator phenotype. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 5864-5865.	3.3	9
29	A Germline Polymorphism of Thymine DNA Glycosylase Induces Genomic Instability and Cellular Transformation. <i>PLoS Genetics</i> , 2014, 10, e1004753.	1.5	16
30	The S229L Colon Tumor-associated Variant of DNA Polymerase $\beta$ Induces Cellular Transformation as a Result of Decreased Polymerization Efficiency. <i>Journal of Biological Chemistry</i> , 2014, 289, 13708-13716.	1.6	19
31	Genome and cancer single nucleotide polymorphisms of the human NEIL1 DNA glycosylase: Activity, structure, and the effect of editing. <i>DNA Repair</i> , 2014, 14, 17-26.	1.3	38
32	Mutation of POLB Causes Lupus in Mice. <i>Cell Reports</i> , 2014, 6, 1-8.	2.9	50
33	MBD4 and TDG: Multifaceted DNA glycosylases with ever expanding biological roles. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2013, 743-744, 12-25.	0.4	85
34	Cellular roles of DNA polymerase beta. <i>Yale Journal of Biology and Medicine</i> , 2013, 86, 463-9.	0.2	18
35	Y265C DNA polymerase beta knockin mice survive past birth and accumulate base excision repair intermediate substrates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 6632-6637.	3.3	29
36	Base excision repair and cancer. <i>Cancer Letters</i> , 2012, 327, 73-89.	3.2	257

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37	Expression profiling of cellular transformation induced by tumor-associated DNA polymerase beta variant I260M. <i>FASEB Journal</i> , 2010, 24, 492.6.	0.2	0
38	DNA Polymerases and Human Diseases. <i>Radiation Research</i> , 2006, 166, 693-714.	0.7	91
39	Is Base Excision Repair a Tumor Suppressor Mechanism?. <i>Cell Cycle</i> , 2006, 5, 250-259.	1.3	72
40	Expression of DNA polymerase $\beta$ cancer-associated variants in mouse cells results in cellular transformation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 14350-14355.	3.3	110
41	Evelyn M. Witkin Awarded the National Medal of Science. <i>Radiation Research</i> , 2004, 161, 493-494.	0.7	0
42	Fidelity Mechanisms of DNA Polymerase $\beta$ . <i>Progress in Molecular Biology and Translational Science</i> , 2003, 73, 137-169.	1.9	20
43	Interaction of DNA polymerase $\beta$ with GRIP1 during meiosis. <i>Chromosoma</i> , 2001, 110, 402-410.	1.0	9
44	Involvement of Phenylalanine 272 of DNA Polymerase Beta in Discriminating between Correct and Incorrect Deoxynucleoside Triphosphates. <i>Biochemistry</i> , 1999, 38, 4800-4808.	1.2	46
45	The Mutator Form of Polymerase $\beta$ with Amino Acid Substitution at Tyrosine 265 in the Hinge Region Displays an Increase in both Base Substitution and Frame Shift Errors. <i>Biochemistry</i> , 1998, 37, 2111-2119.	1.2	63
46	A Human <i>MSH6</i> Germline Variant Associated With Systemic Lupus Erythematosus Induces Lupus-like Disease in Mice. <i>ACR Open Rheumatology</i> , 0, , .	0.9	0