

Agata Smogorzewska

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

9,516
citations

117625

34
h-index

189892

50
g-index

56
all docs

56
docs citations

56
times ranked

11530
citing authors

#	ARTICLE	IF	CITATIONS
1	ATM and ATR Substrate Analysis Reveals Extensive Protein Networks Responsive to DNA Damage. Science, 2007, 316, 1160-1166.	12.6	2,689
2	Identification of the FANCI Protein, a Monoubiquitinated FANCD2 Paralog Required for DNA Repair. Cell, 2007, 129, 289-301.	28.9	608
3	Fanconi anaemia and the repair of Watson and Crick DNA crosslinks. Nature, 2013, 493, 356-363.	27.8	523
4	The Fanconi Anemia Pathway Promotes Replication-Dependent DNA Interstrand Cross-Link Repair. Science, 2009, 326, 1698-1701.	12.6	454
5	Different telomere damage signaling pathways in human and mouse cells. EMBO Journal, 2002, 21, 4338-4348.	7.8	403
6	Mammalian BTBD12/SLX4 Assembles A Holliday Junction Resolvase and Is Required for DNA Repair. Cell, 2009, 138, 63-77.	28.9	403
7	Cancer Proliferation Gene Discovery Through Functional Genomics. Science, 2008, 319, 620-624.	12.6	365
8	A genome-wide homologous recombination screen identifies the RNA-binding protein RBMX as a component of the DNA-damage response. Nature Cell Biology, 2012, 14, 318-328.	10.3	364
9	DNA Ligase IV-Dependent NHEJ of Deprotected Mammalian Telomeres in G1 and G2. Current Biology, 2002, 12, 1635-1644.	3.9	336
10	A Genetic Screen Identifies FAN1, a Fanconi Anemia-Associated Nuclease Necessary for DNA Interstrand Crosslink Repair. Molecular Cell, 2010, 39, 36-47.	9.7	306
11	Mutations of the SLX4 gene in Fanconi anemia. Nature Genetics, 2011, 43, 142-146.	21.4	291
12	Partial MCM4 deficiency in patients with growth retardation, adrenal insufficiency, and natural killer cell deficiency. Journal of Clinical Investigation, 2012, 122, 821-832.	8.2	272
13	A Dominant Mutation in Human RAD51 Reveals Its Function in DNA Interstrand Crosslink Repair Independent of Homologous Recombination. Molecular Cell, 2015, 59, 478-490.	9.7	227
14	FANCI phosphorylation functions as a molecular switch to turn on the Fanconi anemia pathway. Nature Structural and Molecular Biology, 2008, 15, 1138-1146.	8.2	207
15	FAN1 mutations cause karyomegalic interstitial nephritis, linking chronic kidney failure to defective DNA damage repair. Nature Genetics, 2012, 44, 910-915.	21.4	205
16	Regulation of multiple DNA repair pathways by the Fanconi anemia protein SLX4. Blood, 2013, 121, 54-63.	1.4	146
17	Structure of the FANCI-FANCD2 Complex: Insights into the Fanconi Anemia DNA Repair Pathway. Science, 2011, 333, 312-316.	12.6	144
18	SnapShot: Fanconi Anemia and Associated Proteins. Cell, 2015, 160, 354-354.e1.	28.9	140

#	ARTICLE	IF	CITATIONS
19	Chromosome instability syndromes. <i>Nature Reviews Disease Primers</i> , 2019, 5, 64.	30.5	123
20	Human GEN1 and the SLX4-Associated Nucleases MUS81 and SLX1 Are Essential for the Resolution of Replication-Induced Holliday Junctions. <i>Cell Reports</i> , 2013, 5, 207-215.	6.4	121
21	Advances in understanding DNA processing and protection at stalled replication forks. <i>Journal of Cell Biology</i> , 2019, 218, 1096-1107.	5.2	121
22	Inherited GINS1 deficiency underlies growth retardation along with neutropenia and NK cell deficiency. <i>Journal of Clinical Investigation</i> , 2017, 127, 1991-2006.	8.2	115
23	Deficiency of UBE2T, the E2-Ubiquitin Ligase Necessary for FANCD2 and FANCI Ubiquitination, Causes FA-T Subtype of Fanconi Anemia. <i>Cell Reports</i> , 2015, 12, 35-41.	6.4	107
24	Massively parallel sequencing, aCGH, and RNA-Seq technologies provide a comprehensive molecular diagnosis of Fanconi anemia. <i>Blood</i> , 2013, 121, e138-e148.	1.4	74
25	Natural history and management of Fanconi anemia patients with head and neck cancer: A 10-year follow-up. <i>Laryngoscope</i> , 2016, 126, 870-879.	2.0	71
26	Mechanism of DNA interstrand cross-link processing by repair nuclease FAN1. <i>Science</i> , 2014, 346, 1127-1130.	12.6	53
27	Ubiquitylation and the Fanconi anemia pathway. <i>FEBS Letters</i> , 2011, 585, 2853-2860.	2.8	51
28	Postoperative Clinical Radiosensitivity in Patients With Fanconi Anemia and Head and Neck Squamous Cell Carcinoma. <i>JAMA Otolaryngology</i> , 2011, 137, 930.	1.2	49
29	CENP-A chromatin prevents replication stress at centromeres to avoid structural aneuploidy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	49
30	Distinct roles of BRCA2 in replication fork protection in response to hydroxyurea and DNA interstrand cross-links. <i>Genes and Development</i> , 2020, 34, 832-846.	5.9	48
31	Fan1 deficiency results in DNA interstrand cross-link repair defects, enhanced tissue karyomegaly, and organ dysfunction. <i>Genes and Development</i> , 2016, 30, 645-659.	5.9	42
32	S.Âpombe Uba1-Ubc15 Structure Reveals a Novel Regulatory Mechanism of Ubiquitin E2 Activity. <i>Molecular Cell</i> , 2017, 65, 699-714.e6.	9.7	40
33	Removal of RTF2 from Stalled Replisomes Promotes Maintenance of Genome Integrity. <i>Molecular Cell</i> , 2018, 69, 24-35.e5.	9.7	40
34	Assessment of SLX4 Mutations in Hereditary Breast Cancers. <i>PLoS ONE</i> , 2013, 8, e66961.	2.5	37
35	Effect of Fondaparinux on Coagulation Assays: Results of College of American Pathologists Proficiency Testing. <i>Archives of Pathology and Laboratory Medicine</i> , 2006, 130, 1605-1611.	2.5	37
36	Comprehensive Analysis of Pathogenic Deletion Variants in Fanconi Anemia Genes. <i>Human Mutation</i> , 2014, 35, n/a-n/a.	2.5	35

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37	A comprehensive approach to identification of pathogenic FANCA variants in Fanconi anemia patients and their families. <i>Human Mutation</i> , 2018, 39, 237-254.	2.5	35
38	Genetic interrogation of replicative senescence uncovers a dual role for USP28 in coordinating the p53 and GATA4 branches of the senescence program. <i>Genes and Development</i> , 2017, 31, 1933-1938.	5.9	28
39	Somatic mosaicism of an intragenic <i>FANCB</i> duplication in both fibroblast and peripheral blood cells observed in a Fanconi anemia patient leads to milder phenotype. <i>Molecular Genetics & Genomic Medicine</i> , 2018, 6, 77-91.	1.2	28
40	Mechanisms of direct replication restart at stressed replisomes. <i>DNA Repair</i> , 2020, 95, 102947.	2.8	18
41	Association of clinical severity with <i>FANCB</i> variant type in Fanconi anemia. <i>Blood</i> , 2020, 135, 1588-1602.	1.4	18
42	Treatment of Fanconi Anemia—Associated Head and Neck Cancer: Opportunities to Improve Outcomes. <i>Clinical Cancer Research</i> , 2021, 27, 5168-5187.	7.0	18
43	Transcriptional Silencing of <i>ALDH2</i> Confers a Dependency on Fanconi Anemia Proteins in Acute Myeloid Leukemia. <i>Cancer Discovery</i> , 2021, 11, 2300-2315.	9.4	13
44	A founder variant in the South Asian population leads to a high prevalence of <i>FANCL</i> Fanconi anemia cases in India. <i>Human Mutation</i> , 2020, 41, 122-128.	2.5	10
45	Esophageal cancer as initial presentation of Fanconi anemia in patients with a hypomorphic <i>FANCA</i> variant. <i>Journal of Physical Education and Sports Management</i> , 2020, 6, a005595.	1.2	10
46	Endogenous formaldehyde destroys blood stem cells. <i>Blood</i> , 2021, 137, 1988-1990.	1.4	9
47	Paternal or Maternal Uniparental Disomy of Chromosome 16 Resulting in Homozygosity of a Mutant Allele Causes Fanconi Anemia. <i>Human Mutation</i> , 2016, 37, 465-468.	2.5	7
48	Suppression of non-homologous end joining does not rescue DNA repair defects in Fanconi anemia patient cells. <i>Cell Cycle</i> , 2020, 19, 2553-2561.	2.6	6
49	Comparison of the clinical phenotype and haematological course of siblings with Fanconi anaemia. <i>British Journal of Haematology</i> , 2021, 193, 971-975.	2.5	6
50	A homozygous missense variant in <i>UBE2T</i> is associated with a mild Fanconi anemia phenotype. <i>Haematologica</i> , 2021, 106, 1188-1192.	3.5	3