

Bing Xia

List of Publications by Year in descending order

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40
papers

4,506
citations

236925

25
h-index

289244

40
g-index

43
all docs

43
docs citations

43
times ranked

6424
citing authors

#	ARTICLE	IF	CITATIONS
1	Control of BRCA2 Cellular and Clinical Functions by a Nuclear Partner, PALB2. <i>Molecular Cell</i> , 2006, 22, 719-729.	9.7	724
2	PALB2 Links BRCA1 and BRCA2 in the DNA-Damage Response. <i>Current Biology</i> , 2009, 19, 524-529.	3.9	460
3	Autophagy-Mediated Tumor Promotion. <i>Cell</i> , 2013, 155, 1216-1219.	28.9	412
4	A mechanism for the suppression of homologous recombination in G1 cells. <i>Nature</i> , 2015, 528, 422-426.	27.8	409
5	Fanconi anemia is associated with a defect in the BRCA2 partner PALB2. <i>Nature Genetics</i> , 2007, 39, 159-161.	21.4	402
6	Cooperation of breast cancer proteins PALB2 and piccolo BRCA2 in stimulating homologous recombination. <i>Nature Structural and Molecular Biology</i> , 2010, 17, 1247-1254.	8.2	268
7	Acquirement of cold sensitivity by quadruple deletion of the <i>cspA</i> family and its suppression by PNPase S1 domain in <i>Escherichia coli</i> . <i>Molecular Microbiology</i> , 2001, 40, 179-188.	2.5	211
8	PALB2/FANCN: Recombining Cancer and Fanconi Anemia. <i>Cancer Research</i> , 2010, 70, 7353-7359.	0.9	187
9	PALB2 Interacts with KEAP1 To Promote NRF2 Nuclear Accumulation and Function. <i>Molecular and Cellular Biology</i> , 2012, 32, 1506-1517.	2.3	164
10	NRF2 Induction Supporting Breast Cancer Cell Survival Is Enabled by Oxidative Stress-Induced DPP3-KEAP1 Interaction. <i>Cancer Research</i> , 2017, 77, 2881-2892.	0.9	138
11	Coupling of Homologous Recombination and the Checkpoint by ATR. <i>Molecular Cell</i> , 2017, 65, 336-346.	9.7	133
12	Autophagy Opposes p53-Mediated Tumor Barrier to Facilitate Tumorigenesis in a Model of PALB2-Associated Hereditary Breast Cancer. <i>Cancer Discovery</i> , 2013, 3, 894-907.	9.4	118
13	The Role of RbfA in 16S rRNA Processing and Cell Growth at Low Temperature in <i>Escherichia coli</i> . <i>Journal of Molecular Biology</i> , 2003, 332, 575-584.	4.2	83
14	Functional and mutational landscapes of BRCA1 for homology-directed repair and therapy resistance. <i>ELife</i> , 2017, 6, .	6.0	81
15	BRCA1 Haploinsufficiency Is Masked by RNF168-Mediated Chromatin Ubiquitylation. <i>Molecular Cell</i> , 2019, 73, 1267-1281.e7.	9.7	78
16	A protein interaction landscape of breast cancer. <i>Science</i> , 2021, 374, eabf3066.	12.6	66
17	Male Fertility Defect Associated with Disrupted BRCA1-PALB2 Interaction in Mice. <i>Journal of Biological Chemistry</i> , 2014, 289, 24617-24629.	3.4	65
18	Structure of BRCA1-BRCT/Abraxas Complex Reveals Phosphorylation-Dependent BRCT Dimerization at DNA Damage Sites. <i>Molecular Cell</i> , 2016, 61, 434-448.	9.7	61

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19	<i>Palb2</i> synergizes with <i>Trp53</i> to suppress mammary tumor formation in a model of inherited breast cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 8632-8637.	7.1	54
20	PTH1 ³⁴ Blocks Radiation-induced Osteoblast Apoptosis by Enhancing DNA Repair through Canonical Wnt Pathway. <i>Journal of Biological Chemistry</i> , 2015, 290, 157-167.	3.4	51
21	Functional characterization of 84 PALB2 variants of uncertain significance. <i>Genetics in Medicine</i> , 2020, 22, 622-632.	2.4	40
22	Homologous recombination DNA repair defects in PALB2-associated breast cancers. <i>Npj Breast Cancer</i> , 2019, 5, 23.	5.2	39
23	PALB2 connects BRCA1 and BRCA2 in the G2/M checkpoint response. <i>Oncogene</i> , 2019, 38, 1585-1596.	5.9	39
24	BRCA2 associates with MCM10 to suppress PRIMPOL-mediated repriming and single-stranded gap formation after DNA damage. <i>Nature Communications</i> , 2021, 12, 5966.	12.8	39
25	Protein-lysine methyltransferases G9a and GLP1 promote responses to DNA damage. <i>Scientific Reports</i> , 2017, 7, 16613.	3.3	28
26	Disrupted BRCA1-PALB2 interaction induces tumor immunosuppression and T lymphocyte infiltration in HCC through cGAS-STING pathway. <i>Hepatology</i> , 2023, 77, 33-47.	7.3	28
27	Amplification of the Mutation-Carrying BRCA2 Allele Promotes RAD51 Loading and PARP Inhibitor Resistance in the Absence of Reversion Mutations. <i>Molecular Cancer Therapeutics</i> , 2020, 19, 602-613.	4.1	20
28	BRCA1-Dependent and Independent Recruitment of PALB2-BRCA2-RAD51 in the DNA Damage Response and Cancer. <i>Cancer Research</i> , 2022, 82, 3191-3197.	0.9	18
29	Antiparallel Coiled-Coil Interactions Mediate the Homodimerization of the DNA Damage-Repair Protein PALB2. <i>Biochemistry</i> , 2018, 57, 6581-6591.	2.5	17
30	ATR/ATM-Mediated Phosphorylation of BRCA1 T1394 Promotes Homologous Recombinational Repair and G2-M Checkpoint Maintenance. <i>Cancer Research</i> , 2021, 81, 4676-4684.	0.9	14
31	Downstream box: a hidden translational enhancer. <i>Molecular Microbiology</i> , 1998, 27, 873-874.	2.5	10
32	Evidence of Intertissue Differences in the DNA Damage Response and the Pro-oncogenic Role of NF- κ B in Mice with Disengaged BRCA1-PALB2 Interaction. <i>Cancer Research</i> , 2018, 78, 3969-3981.	0.9	10
33	Spontaneous Development of Hepatocellular Carcinoma and B-Cell Lymphoma in Mosaic and Heterozygous <i>Brca2</i> and <i>Cdkn1a</i> Interacting Protein Knockout Mice. <i>American Journal of Pathology</i> , 2020, 190, 1175-1187.	3.8	9
34	Resonance assignments for cold-shock protein ribosome-binding factor A (RbfA) from <i>Escherichia coli</i> . <i>Journal of Biomolecular NMR</i> , 2001, 21, 389-390.	2.8	7
35	Genetic interactions among <i>Brca1</i> , <i>Brca2</i> , <i>Palb2</i> , and <i>Trp53</i> in mammary tumor development. <i>Npj Breast Cancer</i> , 2021, 7, 45.	5.2	7
36	A BRCA1 Coiled-Coil Domain Variant Disrupting PALB2 Interaction Promotes the Development of Mammary Tumors and Confers a Targetable Defect in Homologous Recombination Repair. <i>Cancer Research</i> , 2021, 81, 6171-6182.	0.9	7

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37	Rare germline variants in <i>PALB2</i> and <i>BRCA2</i> in familial and sporadic chordoma. <i>Human Mutation</i> , 2022, 43, 1396-1407.	2.5	3
38	Loss of the BRCA1-PALB2 interaction accelerates p53-associated tumor development in mice. <i>Genes and Diseases</i> , 2020, , .	3.4	2
39	Tumor suppressor PALB2 maintains redox and mitochondrial homeostasis in the brain and cooperates with ATG7/autophagy to suppress neurodegeneration. <i>PLoS Genetics</i> , 2022, 18, e1010138.	3.5	2
40	Functional cooperation between ATG7/autophagy and the PALB2 tumor suppressor in mitochondrial regulation, redox homeostasis, and neuronal health. , 2022, 1, 234-237.		0