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	Disrupted BRCA1â€PALB2 interaction induces tumor immunosuppression and Tâ€lymphocyte infiltration in HCC through cGASâ€STING pathway. Hepatology, 2023, 77, 33-47.	7.3	28
2	Tumor suppressor PALB2 maintains redox and mitochondrial homeostasis in the brain and cooperates with ATG7/autophagy to suppress neurodegeneration. PLoS Genetics, 2022, 18, e1010138.	3.5	2
3	Functional cooperation between ATG7/autophagy and the PALB2 tumor suppressor in mitochondrial regulation, redox homeostasis, and neuronal health. , 2022, 1, 234-237.		0
4	BRCA1-Dependent and Independent Recruitment of PALB2â€“BRCA2â€“RAD51 in the DNA Damage Response and Cancer. Cancer Research, 2022, 82, 3191-3197.	0.9	18
5	Rare germline variants in PALB2 and BRCA2 in familial and sporadic chordoma. Human Mutation, 2022, 43, 1396-1407.	2.5	3
6	Genetic interactions among Brca1, Brca2, Palb2, and Trp53 in mammary tumor development. Npj Breast Cancer, 2021, 7, 45.	5.2	7
7	ATR/ATM-Mediated Phosphorylation of BRCA1 T1394 Promotes Homologous Recombinational Repair and G2â€“M Checkpoint Maintenance. Cancer Research, 2021, 81, 4676-4684.	0.9	14
8	A BRCA1 Coiled-Coil Domain Variant Disrupting PALB2 Interaction Promotes the Development of Mammary Tumors and Confers a Targetable Defect in Homologous Recombination Repair. Cancer Research, 2021, 81, 6171-6182.	0.9	7
9	A protein interaction landscape of breast cancer. Science, 2021, 374, eabf3066.	12.6	66
10	BRCA2 associates with MCM10 to suppress PRIMPOL-mediated repriming and single-stranded gap formation after DNA damage. Nature Communications, 2021, 12, 5966.	12.8	39
11	Amplification of the Mutation-Carrying BRCA2 Allele Promotes RAD51 Loading and PARP Inhibitor Resistance in the Absence of Reversion Mutations. Molecular Cancer Therapeutics, 2020, 19, 602-613.	4.1	20
12	Functional characterization of 84 PALB2 variants of uncertain significance. Genetics in Medicine, 2020, 22, 622-632.	2.4	40
13	Loss of the BRCA1-PALB2 interaction accelerates p53-associated tumor development in mice. Genes and Diseases, 2020, , .	3.4	2
14	Spontaneous Development of Hepatocellular Carcinoma and B-Cell Lymphoma in Mosaic and Heterozygous Brca2 and Cdkn1a Interacting Protein Knockout Mice. American Journal of Pathology, 2020, 190, 1175-1187.	3.8	9
15	Homologous recombination DNA repair defects in PALB2-associated breast cancers. Npj Breast Cancer, 2019, 5, 23.	5.2	39
16	BRCA1 Haploinsufficiency Is Masked by RNF168-Mediated Chromatin Ubiquitylation. Molecular Cell, 2019, 73, 1267-1281.e7.	9.7	78
17	PALB2 connects BRCA1 and BRCA2 in the G2/M checkpoint response. Oncogene, 2019, 38, 1585-1596.	5.9	39
18	Antiparallel Coiled-Coil Interactions Mediate the Homodimerization of the DNA Damage-Repair Protein PALB2. Biochemistry, 2018, 57, 6581-6591.	2.5	17

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19	Evidence of Intertissue Differences in the DNA Damage Response and the Pro-oncogenic Role of NF-Î¹B in Mice with Disengaged BRCA1â€“PALB2 Interaction. Cancer Research, 2018, 78, 3969-3981.	0.9	10
20	Coupling of Homologous Recombination and the Checkpoint by ATR. Molecular Cell, 2017, 65, 336-346.	9.7	133
21	NRF2 Induction Supporting Breast Cancer Cell Survival Is Enabled by Oxidative Stressâ€“Induced DPP3â€“KEAP1 Interaction. Cancer Research, 2017, 77, 2881-2892.	0.9	138
22	Protein-lysine methyltransferases G9a and GLP1 promote responses to DNA damage. Scientific Reports, 2017, 7, 16613.	3.3	28
23	Functional and mutational landscapes of BRCA1 for homology-directed repair and therapy resistance. ELife, 2017, 6, .	6.0	81
24	Structure of BRCA1-BRCT/Abraxas Complex Reveals Phosphorylation-Dependent BRCT Dimerization at DNA Damage Sites. Molecular Cell, 2016, 61, 434-448.	9.7	61
25	A mechanism for the suppression of homologous recombination in G1 cells. Nature, 2015, 528, 422-426.	27.8	409
26	PTH1â€“34 Blocks Radiation-induced Osteoblast Apoptosis by Enhancing DNA Repair through Canonical Wnt Pathway. Journal of Biological Chemistry, 2015, 290, 157-167.	3.4	51
27	Male Fertility Defect Associated with Disrupted BRCA1-PALB2 Interaction in Mice. Journal of Biological Chemistry, 2014, 289, 24617-24629.	3.4	65
28	Autophagy-Mediated Tumor Promotion. Cell, 2013, 155, 1216-1219.	28.9	412
29	Autophagy Opposes p53-Mediated Tumor Barrier to Facilitate Tumorigenesis in a Model of PALB2-Associated Hereditary Breast Cancer. Cancer Discovery, 2013, 3, 894-907.	9.4	118
30	Palb2 synergizes with Trp53 to suppress mammary tumor formation in a model of inherited breast cancer. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 8632-8637.	7.1	54
31	PALB2 Interacts with KEAP1 To Promote NRF2 Nuclear Accumulation and Function. Molecular and Cellular Biology, 2012, 32, 1506-1517.	2.3	164
32	Cooperation of breast cancer proteins PALB2 and piccolo BRCA2 in stimulating homologous recombination. Nature Structural and Molecular Biology, 2010, 17, 1247-1254.	8.2	268
33	PALB2/FANCN: Recombining Cancer and Fanconi Anemia. Cancer Research, 2010, 70, 7353-7359.	0.9	187
34	PALB2 Links BRCA1 and BRCA2 in the DNA-Damage Response. Current Biology, 2009, 19, 524-529.	3.9	460
35	Fanconi anemia is associated with a defect in the BRCA2 partner PALB2. Nature Genetics, 2007, 39, 159-161.	21.4	402
36	Control of BRCA2 Cellular and Clinical Functions by a Nuclear Partner, PALB2. Molecular Cell, 2006, 22, 719-729.	9.7	724

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37	The Role of RbfA in 16S rRNA Processing and Cell Growth at Low Temperature in Escherichia coli. Journal of Molecular Biology, 2003, 332, 575-584.	4.2	83
38	Acquirement of cold sensitivity by quadruple deletion of the cspA family and its suppression by PNPase S1 domain in Escherichia coli. Molecular Microbiology, 2001, 40, 179-188.	2.5	211
39	Resonance assignments for cold-shock protein ribosome-binding factor A (RbfA) from Escherichia coli. Journal of Biomolecular NMR, 2001, 21, 389-390.	2.8	7
40	Downstream box: a hidden translational enhancer. Molecular Microbiology, 1998, 27, 873-874.	2.5	10