Ketan J Patel

List of Publications by Year
in descending order

29 papers	3,323 citations	257450 24 h-index	501196 28 g-index
30 all docs	30 docs citations	30 times ranked	4389 citing authors

#	Article	IF	Citations
1	Amino acid dependent formaldehyde metabolism in mammals. Communications Chemistry, 2020, 3, .	4.5	17
2	Two Aldehyde Clearance Systems Are Essential to Prevent Lethal Formaldehyde Accumulation in Mice and Humans. Molecular Cell, 2020, 80, 996-1012.e9.	9.7	92
3	Alcohol-derived DNA crosslinks are repaired by two distinct mechanisms. Nature, 2020, 579, 603-608.	27.8	82
4	FANCD2â€"FANCI is a clamp stabilized on DNA by monoubiquitination of FANCD2 during DNA repair. Nature Structural and Molecular Biology, 2020, 27, 240-248.	8.2	80
5	TRAIP is a master regulator of DNA interstrand crosslink repair. Nature, 2019, 567, 267-272.	27.8	128
6	Structure of the Fanconi anaemia monoubiquitin ligase complex. Nature, 2019, 575, 234-237.	27.8	80
7	A structure-guided molecular chaperone approach for restoring the transcriptional activity of the p53 cancer mutant Y220C. Future Medicinal Chemistry, 2019, 11, 2491-2504.	2.3	53
8	Aminobenzothiazole derivatives stabilize the thermolabile p53 cancer mutant Y220C and show anticancer activity in p53-Y220C cell lines. European Journal of Medicinal Chemistry, 2018, 152, 101-114.	5.5	57
9	Increased formate overflow is a hallmark of oxidative cancer. Nature Communications, 2018, 9, 1368.	12.8	90
10	Alcohol and endogenous aldehydes damage chromosomes and mutate stem cells. Nature, 2018, 553, 171-177.	27.8	284
11	Development of a General Aza-Cope Reaction Trigger Applied to Fluorescence Imaging of Formaldehyde in Living Cells. Journal of the American Chemical Society, 2017, 139, 5338-5350.	13.7	121
12	A 2-aza-Cope reactivity-based platform for ratiometric fluorescence imaging of formaldehyde in living cells. Chemical Science, 2017, 8, 4073-4081.	7.4	93
13	Mammals divert endogenous genotoxic formaldehyde into one-carbon metabolism. Nature, 2017, 548, 549-554.	27.8	246
14	Xpf suppresses mutagenic consequences of bacterial phagocytosis in Dictyostelium. Journal of Cell Science, 2016, 129, 4449-4454.	2.0	8
15	Do Mutational Dynamics in Stem Cells Explain the Origin of Common Cancers?. Cell Stem Cell, 2015, 16, 111-112.	11.1	7
16	Ubiquitin-SUMO Circuitry Controls Activated Fanconi Anemia ID Complex Dosage in Response to DNA Damage. Molecular Cell, 2015, 57, 150-164.	9.7	106
17	Endogenous Formaldehyde Is a Hematopoietic Stem Cell Genotoxin and Metabolic Carcinogen. Molecular Cell, 2015, 60, 177-188.	9.7	296
18	Abundance of the Fanconi anaemia core complex is regulated by the RuvBL1 and RuvBL2 AAA+ ATPases. Nucleic Acids Research, 2014, 42, 13736-13748.	14.5	37

#	Article	IF	Citations
19	Mouse SLX4 Is a Tumor Suppressor that Stimulates the Activity of the Nuclease XPF-ERCC1 in DNA Crosslink Repair. Molecular Cell, 2014, 54, 472-484.	9.7	126
20	Maternal Aldehyde Elimination during Pregnancy Preserves the Fetal Genome. Molecular Cell, 2014, 55, 807-817.	9.7	55
21	The Genetic and Biochemical Basis of FANCD2 Monoubiquitination. Molecular Cell, 2014, 54, 858-869.	9.7	109
22	The Fanconi anaemia pathway orchestrates incisions at sites of crosslinked DNA. Journal of Pathology, 2012, 226, 326-337.	4.5	92
23	Links Between DNA Damage and Metabolism, Pathways Causing Bone Marrow Failure in Fanconi Anemia, and Therapeutic Implications. Blood, 2012, 120, SCI-3-SCI-3.	1.4	0
24	Disruption of mouse Slx4, a regulator of structure-specific nucleases, phenocopies Fanconi anemia. Nature Genetics, 2011, 43, 147-152.	21.4	182
25	â€œRing-Fencingâ€•BRCA1 Tumor Suppressor Activity. Cancer Cell, 2011, 20, 693-695.	16.8	2
26	Xpf and Not the Fanconi Anaemia Proteins or Rev3 Accounts for the Extreme Resistance to Cisplatin in Dictyostelium discoideum. PLoS Genetics, 2009, 5, e1000645.	3.5	52
27	Deubiquitination of FANCD2 Is Required for DNA Crosslink Repair. Molecular Cell, 2007, 28, 798-809.	9.7	180
28	Fanconi anemia and DNA replication repair. DNA Repair, 2007, 6, 885-890.	2.8	102
29	The emerging genetic and molecular basis of Fanconi anaemia. Nature Reviews Genetics, 2001, 2, 446-458.	16.3	542