

# Ketan J Patel

## List of Publications by Year in descending order

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Version: 2024-02-01

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	The emerging genetic and molecular basis of Fanconi anaemia. <i>Nature Reviews Genetics</i> , 2001, 2, 446-458.	16.3	542
2	Endogenous Formaldehyde Is a Hematopoietic Stem Cell Genotoxin and Metabolic Carcinogen. <i>Molecular Cell</i> , 2015, 60, 177-188.	9.7	296
3	Alcohol and endogenous aldehydes damage chromosomes and mutate stem cells. <i>Nature</i> , 2018, 553, 171-177.	27.8	284
4	Mammals divert endogenous genotoxic formaldehyde into one-carbon metabolism. <i>Nature</i> , 2017, 548, 549-554.	27.8	246
5	Disruption of mouse Slx4, a regulator of structure-specific nucleases, phenocopies Fanconi anemia. <i>Nature Genetics</i> , 2011, 43, 147-152.	21.4	182
6	Deubiquitination of FANCD2 Is Required for DNA Crosslink Repair. <i>Molecular Cell</i> , 2007, 28, 798-809.	9.7	180
7	TRAP1 is a master regulator of DNA interstrand crosslink repair. <i>Nature</i> , 2019, 567, 267-272.	27.8	128
8	Mouse SLX4 Is a Tumor Suppressor that Stimulates the Activity of the Nuclease XPF-ERCC1 in DNA Crosslink Repair. <i>Molecular Cell</i> , 2014, 54, 472-484.	9.7	126
9	Development of a General Aza-Cope Reaction Trigger Applied to Fluorescence Imaging of Formaldehyde in Living Cells. <i>Journal of the American Chemical Society</i> , 2017, 139, 5338-5350.	13.7	121
10	The Genetic and Biochemical Basis of FANCD2 Monoubiquitination. <i>Molecular Cell</i> , 2014, 54, 858-869.	9.7	109
11	Ubiquitin-SUMO Circuitry Controls Activated Fanconi Anemia ID Complex Dosage in Response to DNA Damage. <i>Molecular Cell</i> , 2015, 57, 150-164.	9.7	106
12	Fanconi anemia and DNA replication repair. <i>DNA Repair</i> , 2007, 6, 885-890.	2.8	102
13	A 2-aza-Cope reactivity-based platform for ratiometric fluorescence imaging of formaldehyde in living cells. <i>Chemical Science</i> , 2017, 8, 4073-4081.	7.4	93
14	The Fanconi anaemia pathway orchestrates incisions at sites of crosslinked DNA. <i>Journal of Pathology</i> , 2012, 226, 326-337.	4.5	92
15	Two Aldehyde Clearance Systems Are Essential to Prevent Lethal Formaldehyde Accumulation in Mice and Humans. <i>Molecular Cell</i> , 2020, 80, 996-1012.e9.	9.7	92
16	Increased formate overflow is a hallmark of oxidative cancer. <i>Nature Communications</i> , 2018, 9, 1368.	12.8	90
17	Alcohol-derived DNA crosslinks are repaired by two distinct mechanisms. <i>Nature</i> , 2020, 579, 603-608.	27.8	82
18	Structure of the Fanconi anaemia monoubiquitin ligase complex. <i>Nature</i> , 2019, 575, 234-237.	27.8	80

#	ARTICLE	IF	CITATIONS
19	FANCD2“FANCI is a clamp stabilized on DNA by monoubiquitination of FANCD2 during DNA repair. <i>Nature Structural and Molecular Biology</i> , 2020, 27, 240-248.	8.2	80
20	Aminobenzothiazole derivatives stabilize the thermolabile p53 cancer mutant Y220C and show anticancer activity in p53-Y220C cell lines. <i>European Journal of Medicinal Chemistry</i> , 2018, 152, 101-114.	5.5	57
21	Maternal Aldehyde Elimination during Pregnancy Preserves the Fetal Genome. <i>Molecular Cell</i> , 2014, 55, 807-817.	9.7	55
22	A structure-guided molecular chaperone approach for restoring the transcriptional activity of the p53 cancer mutant Y220C. <i>Future Medicinal Chemistry</i> , 2019, 11, 2491-2504.	2.3	53
23	Xpf and Not the Fanconi Anaemia Proteins or Rev3 Accounts for the Extreme Resistance to Cisplatin in <i>Dictyostelium discoideum</i> . <i>PLoS Genetics</i> , 2009, 5, e1000645.	3.5	52
24	Abundance of the Fanconi anaemia core complex is regulated by the RuvBL1 and RuvBL2 AAA+ ATPases. <i>Nucleic Acids Research</i> , 2014, 42, 13736-13748.	14.5	37
25	Amino acid dependent formaldehyde metabolism in mammals. <i>Communications Chemistry</i> , 2020, 3, .	4.5	17
26	Xpf suppresses mutagenic consequences of bacterial phagocytosis in <i>Dictyostelium</i> . <i>Journal of Cell Science</i> , 2016, 129, 4449-4454.	2.0	8
27	Do Mutational Dynamics in Stem Cells Explain the Origin of Common Cancers?. <i>Cell Stem Cell</i> , 2015, 16, 111-112.	11.1	7
28	“Ring-Fencing” BRCA1 Tumor Suppressor Activity. <i>Cancer Cell</i> , 2011, 20, 693-695.	16.8	2
29	Links Between DNA Damage and Metabolism, Pathways Causing Bone Marrow Failure in Fanconi Anemia, and Therapeutic Implications. <i>Blood</i> , 2012, 120, SCI-3-SCI-3.	1.4	0