Siddhant U Jain

List of Publications by Year
in descending order

10	1,242	932766 10	1372195 10
papers	citations	h-index	g-index

11	11	11	2199
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Histone H3K36 mutations promote sarcomagenesis through altered histone methylation landscape. Science, 2016, 352, 844-849.	6.0	327
2	H3K27M induces defective chromatin spread of PRC2-mediated repressive H3K27me2/me3 and is essential for glioma tumorigenesis. Nature Communications, 2019, 10, 1262.	5.8	215
3	Lowered H3K27me3 and DNA hypomethylation define poorly prognostic pediatric posterior fossa ependymomas. Science Translational Medicine, 2016, 8, 366ra161.	5.8	144
4	PFA ependymoma-associated protein EZHIP inhibits PRC2 activity through a H3 K27M-like mechanism. Nature Communications, 2019, 10, 2146.	5.8	136
5	Strategy for â€œDetoxificationâ€•of a Cancer-Derived Histone Mutant Based on Mapping Its Interaction with the Methyltransferase PRC2. Journal of the American Chemical Society, 2014, 136, 13498-13501.	6.6	95
6	H3 K27M and EZHIP Impede H3K27-Methylation Spreading by Inhibiting Allosterically Stimulated PRC2. Molecular Cell, 2020, 80, 726-735.e7.	4.5	83
7	S -adenosyl methionine is necessary for inhibition of the methyltransferase G9a by the lysine 9 to methionine mutation on histone H3. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 6182-6187.	3.3	73
8	Histone H3 tail binds a unique sensing pocket in EZH2 to activate the PRC2 methyltransferase. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 8295-8300.	3.3	71
9	Histone H3.3 G34 mutations promote aberrant PRC2 activity and drive tumor progression. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 27354-27364.	3.3	57
10	H3.3 G34W Promotes Growth and Impedes Differentiation of Osteoblast-Like Mesenchymal Progenitors in Giant Cell Tumor of Bone. Cancer Discovery, 2020, 10, 1968-1987.	7.7	40