Taranjit Singh Rai

List of Publications by Year
in descending order

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32	3,546	304368 22	414034 32
papers	citations	h-index	g-index

33	33	33	6220
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	p53 status determines the role of autophagy in pancreatic tumour development. Nature, 2013, 504, 296-300.	13.7	614
2	Lamin B1 depletion in senescent cells triggers large-scale changes in gene expression and the chromatin landscape. Genes and Development, 2013, 27, 1787-1799.	2.7	440
3	Lysosome-mediated processing of chromatin in senescence. Journal of Cell Biology, 2013, 202, 129-143.	2.3	413
4	Senescent cells harbour features of the cancer epigenome. Nature Cell Biology, 2013, 15, 1495-1506.	4.6	300
5	A common MYBPC3 (cardiac myosin binding protein C) variant associated with cardiomyopathies in South Asia. Nature Genetics, 2009, 41, 187-191.	9.4	245
6	Cellular senescence in osteoarthritis pathology. Aging Cell, 2017, 16, 210-218.	3.0	243
7	HIRA orchestrates a dynamic chromatin landscape in senescence and is required for suppression of neoplasia. Genes and Development, 2014, 28, 2712-2725.	2.7	128
8	MLL1 is essential for the senescence-associated secretory phenotype. Genes and Development, 2016, 30, 321-336.	2.7	121
9	Placing the HIRA Histone Chaperone Complex in the Chromatin Landscape. Cell Reports, 2013, 3, 1012-1019.	2.9	116
10	Ubinuclein-1 confers histone H3.3-specific-binding by the HIRA histone chaperone complex. Nature Communications, 2015, 6, 7711.	5.8	99
11	Human CABIN1 Is a Functional Member of the Human HIRA/UBN1/ASF1a Histone H3.3 Chaperone Complex. Molecular and Cellular Biology, 2011, 31, 4107-4118.	1.1	87
12	Sprouty2, PTEN, and PP2A interact to regulate prostate cancer progression. Journal of Clinical Investigation, 2013, 123, 1157-1175.	3.9	75
13	Endothelial nitric oxide synthase gene haplotypes and diabetic nephropathy among Asian Indians. Molecular and Cellular Biochemistry, 2008, 314, 9-17.	1.4	70
14	Common Variants of Inflammatory Cytokine Genes Are Associated with Risk of Nephropathy in Type 2 Diabetes among Asian Indians. PLoS ONE, 2009, 4, e5168.	1.1	65
15	Mapping H4K20me3 onto the chromatin landscape of senescent cells indicates a function in control of cell senescence and tumor suppression through preservation of genetic and epigenetic stability. Genome Biology, 2016, 17, 158.	3.8	65
16	ACEVariants Interact with the RAS Pathway to Confer Risk and Protection against Type 2 Diabetic Nephropathy. DNA and Cell Biology, 2009, 28, 141-150.	0.9	61
17	Lessons from senescence: Chromatin maintenance in non-proliferating cells. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2012, 1819, 322-331.	0.9	60
18	The histone chaperone HIRA promotes the induction of host innate immune defences in response to HSV-1 infection. PLoS Pathogens, 2019, 15, e1007667.	2.1	47

#	Article	IF	Citations
19	Histone chaperone HIRA deposits histone H3.3 onto foreign viral DNA and contributes to anti-viral intrinsic immunity. Nucleic Acids Research, 2017, 45, 11673-11683.	6.5	44
20	Role of Senescence and Aging in SARS-CoV-2 Infection and COVID-19 Disease. Cells, 2021, 10, 3367.	1.8	42
21	Oncogene-Expressing Senescent Melanocytes Up-Regulate MHC Class II, aÂCandidate Melanoma Suppressor Function. Journal of Investigative Dermatology, 2017, 137, 2197-2207.	0.3	30
22	Identification of an Ubinuclein 1 Region Required for Stability and Function of the Human HIRA/UBN1/CABIN1/ASF1a Histone H3.3 Chaperone Complex. Biochemistry, 2012, 51, 2366-2377.	1.2	26
23	ACE I/D polymorphism in Indian patients with hypertrophic cardiomyopathy and dilated cardiomyopathy. Molecular and Cellular Biochemistry, 2008, 311, 67-72.	1.4	25
24	The Interdependency and Co-Regulation of the Vitamin D and Cholesterol Metabolism. Cells, 2021, 10, 2007.	1.8	24
25	Genetic and clinical profile of Indian patients of idiopathic restrictive cardiomyopathy with and without hypertrophy. Molecular and Cellular Biochemistry, 2009, 331, 187-192.	1.4	23
26	Synergistic effect between apolipoprotein E and apolipoprotein A1 gene polymorphisms in the risk for coronary artery disease. Molecular and Cellular Biochemistry, 2008, 313, 139-146.	1.4	22
27	Genotype phenotype correlations of cardiac beta-myosin heavy chain mutations in Indian patients with hypertrophic and dilated cardiomyopathy. Molecular and Cellular Biochemistry, 2009, 321, 189-196.	1.4	22
28	Circulating proinflammatory cytokines and N-terminal pro-brain natriuretic peptide significantly decrease with recovery of left ventricular function in patients with dilated cardiomyopathy. Molecular and Cellular Biochemistry, 2009, 324, 139-145.	1.4	11
29	The role of senescence in the pathogenesis of atrial fibrillation: A target process for health improvement and drug development. Ageing Research Reviews, 2021, 69, 101363.	5.0	10
30	Decreased Myocardial Expression of Dystrophin and Titin mRNA and Protein in Dilated Cardiomyopathy: Possibly an Adverse Effect of TNF-Î±. Journal of Clinical Immunology, 2010, 30, 520-530.	2.0	7
31	ChIP-Sequencing to Map the Epigenome of Senescent Cells Using Benzonase Endonuclease. Methods in Enzymology, 2016, 574, 355-364.	0.4	6
32	Immuno-informatics analysis predicts B and T cell consensus epitopes for designing peptide vaccine against SARS-CoV-2 with 99.82% global population coverage. Briefings in Bioinformatics, 2022, 23, .	3.2	5