Enni Markkanen

List of Publications by Year
in descending order

32 papers	1,585 citations	393982 19 h-index	433756 31 g-index
39 all docs	39 docs citations	39 times ranked	3080 citing authors

#	Article	IF	Citations
1	Oxygen as a friend and enemy: How to combat the mutational potential of 8-oxo-guanine. DNA Repair, 2010, 9, 604-616.	1.3	272
2	Inhibiting WEE1 Selectively Kills Histone H3K36me3-Deficient Cancers by dNTP Starvation. Cancer Cell, 2015, 28, 557-568.	7.7	244
3	Targeting BRCA1 and BRCA2 Deficiencies with G-Quadruplex-Interacting Compounds. Molecular Cell, 2016, 61, 449-460.	4.5	185
4	Not breathing is not an option: How to deal with oxidative DNA damage. DNA Repair, 2017, 59, 82-105.	1.3	140
5	The human checkpoint sensor and alternative DNA clamp Rad9â€“Rad1â€“Hus1 modulates the activity of DNA ligase I, a component of the long-patch base excision repair machinery. Biochemical Journal, 2005, 389, 13-17.	1.7	67
6	Regulation of oxidative DNA damage repair by DNA polymerase Î» and MutYH by cross-talk of phosphorylation and ubiquitination. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 437-442.	3.3	67
7	DNA Damage and Repair in Schizophrenia and Autism: Implications for Cancer Comorbidity and Beyond. International Journal of Molecular Sciences, 2016, 17, 856.	1.8	66
8	MUTYH DNA glycosylase: the rationale for removing undamaged bases from the DNA. Frontiers in Genetics, 2013, 4, 18.	1.1	64
9	DNA polymerase Î´-interacting protein 2 is a processivity factor for DNA polymerase Î» during 8-oxo-7,8-dihydroguanine bypass. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 18850-18855.	3.3	44
10	An optimised protocol for isolation of RNA from small sections of laser-capture microdissected FFPE tissue amenable for next-generation sequencing. BMC Molecular Biology, 2017, 18, 22.	3.0	44
11	A switch between DNA polymerases Î´ and Î» promotes error-free bypass of 8-oxo-G lesions. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 20401-20406.	3.3	40
12	Cells deficient in base-excision repair reveal cancer hallmarks originating from adjustments to genetic instability. Nucleic Acids Research, 2015, 43, 3667-3679.	6.5	39
13	Regulation of oxidative DNA damage repair: The adenine:8-oxo-guanine problem. Cell Cycle, 2012, 11, 1070-1075.	1.3	38
14	Analysis of Gene Expression Signatures in Cancer-Associated Stroma from Canine Mammary Tumours Reveals Molecular Homology to Human Breast Carcinomas. International Journal of Molecular Sciences, 2017, 18, 1101.	1.8	35
15	In Vitro Gap-directed Translesion DNA Synthesis of an Abasic Site Involving Human DNA Polymerases Ïµ, Î», and Î². Journal of Biological Chemistry, 2011, 286, 32094-32104.	1.6	27
16	Persistent DNA damage triggers activation of the integrated stress response to promote cell survival under nutrient restriction. BMC Biology, 2020, 18, 36.	1.7	24
17	Base Excision Repair in Physiology and Pathology of the Central Nervous System. International Journal of Molecular Sciences, 2012, 13, 16172-16222.	1.8	22
18	Impaired oxidative stress response characterizes HUWE1-promoted X-linked intellectual disability. Scientific Reports, 2017, 7, 15050.	1.6	21

#	Article	IF	Citations
19	Next-generation RNA sequencing of FFPE subsections reveals highly conserved stromal reprogramming between canine and human mammary carcinoma. DMM Disease Models and Mechanisms, 2019, 12, .	1.2	20
20	Differential stromal reprogramming in benign and malignant naturally occurring canine mammary tumours identifies disease-modulating stromal components. Scientific Reports, 2020, 10, 5506.	1.6	20
21	Persistent DNA strand breaks induce a CAF-like phenotype in normal fibroblasts. Oncotarget, 2018, 9, 13666-13681.	0.8	20
22	Ubiquitylation of DNA polymerase Î». FEBS Letters, 2011, 585, 2826-2830.	1.3	16
23	Cross-Reactivity and Functionality of Approved Human Immune Checkpoint Blockers in Dogs. Cancers, 2021, 13, 785.	1.7	15
24	MicroRNA Expression Profiling in the Prefrontal Cortex: Putative Mechanisms for the Cognitive Effects of Adolescent High Fat Feeding. Scientific Reports, 2018, 8, 8344.	1.6	14
25	Know Thy Model: Charting Molecular Homology in Stromal Reprogramming Between Canine and Human Mammary Tumors. Frontiers in Cell and Developmental Biology, 2019, 7, 348.	1.8	10
26	Molecular homology between canine spontaneous oral squamous cell carcinomas and human head-and-neck squamous cell carcinomas reveals disease drivers and therapeutic vulnerabilities. Neoplasia, 2020, 22, 778-788.	2.3	10
27	Identification of disease-promoting stromal components by comparative proteomic and transcriptomic profiling of canine mammary tumors using laser-capture microdissected FFPE tissue. Neoplasia, 2021, 23, 400-412.	2.3	9
28	Measuring DNA Damage Using the Alkaline Comet Assay in Cultured Cells. Bio-protocol, 2021, 11, e4119.	0.2	5
29	Defining the molecular landscape of cancer-associated stroma in cutaneous squamous cell carcinoma. Journal of Investigative Dermatology, 2022, , .	0.3	3
30	Gap-Directed Translesion DNA Synthesis of an Abasic Site on Circular DNA Templates by a Human Replication Complex. PLoS ONE, 2014, 9, e93908.	1.1	2
31	Abstract B40: WEE1 inhibition selectively kills histone H3K36me3-deficient cancers by dNTP starvation. , 2016, , .		0
32	Measurement of DNA Damage Using the Neutral Comet Assay in Cultured Cells. Bio-protocol, 2021, 11, e4226.	0.2	0