Ann-Karin Olsen

List of Publications by Year
in descending order

38 papers	1,188 citations	566801 15 h-index	395343 33 g-index
42 all docs	42 docs citations	42 times ranked	2086 citing authors

#	Article	IF	Citations
1	In vitro cellular and proteome assays identify Wnt pathway and CDKN2A-regulated senescence affected in mesenchymal stem cells from mice after a chronic LD gamma irradiation in utero. Radiation and Environmental Biophysics, 2021, 60, 397-410.	0.6	0
2	Validation of the in vitro comet assay for DNA cross-links and altered bases detection. Archives of Toxicology, 2021, 95, 2825-2838.	1.9	17
3	Perturbed transcriptional profiles after chronic low dose rate radiation in mice. PLoS ONE, 2021, 16, e0256667.	1.1	5
4	Gestational blood levels of toxic metal and essential element mixtures and associations with global DNA methylation in pregnant women and their infants. Science of the Total Environment, 2021, 787, 147621.	3.9	13
5	NEIL1 and NEIL2 DNA glycosylases modulate anxiety and learning in a cooperative manner in mice. Communications Biology, 2021, 4, 1354.	2.0	8
6	Ionizing radiation, genotoxic stress, and mitochondrial DNA copy-number variation in Caenorhabditis elegans: droplet digital PCR analysis. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2020, 858-860, 503277.	0.9	9
7	MiRNA profiles in blood plasma from mother-child duos in human biobanks and the implication of sample quality: Circulating miRNAs as potential early markers of child health. PLoS ONE, 2020, 15, e0231040.	1.1	7
8	Title is missing!. , 2020, 15, e0231040.		0
9	Title is missing!. , 2020, 15, e0231040.		0
10	Title is missing!. , 2020, 15, e0231040.		0
11	Title is missing!. , 2020, 15, e0231040.		0
12	Ionizing radiation does not impair the mechanisms controlling genetic stability during T cell receptor gene rearrangement in mice. International Journal of Radiation Biology, 2018, 94, 357-365.	1.0	2
13	Standardisation of the in vitro comet assay: influence of lysis time and lysis solution composition on the detection of DNA damage induced by X-rays. Mutagenesis, 2018, 33, 25-30.	1.0	21
14	Using the comet assay and lysis conditions to characterize DNA lesions from the acrylamide metabolite glycidamide. Mutagenesis, 2018, 33, 31-39.	1.0	16
15	Paternal Exposure to Environmental Chemical Stress Affects Male Offspringâ€™s Hepatic Mitochondria. Toxicological Sciences, 2018, 162, 241-250.	1.4	15
16	Restoration of Cognitive Performance in Mice Carrying a Deficient Allele of 8-Oxoguanine DNA Glycosylase by X-ray Irradiation. Neurotoxicity Research, 2018, 33, 824-836.	1.3	14
17	The Pigâ€¤ Gene Mutation Assay in Mice and Human Cells: A Review. Basic and Clinical Pharmacology and Toxicology, 2017, 121, 78-92.	1.2	27
18	Genotoxic effects of high dose rate Xâ€ray and low dose rate gamma radiation in Apc^{Min/+} mice. Environmental and Molecular Mutagenesis, 2017, 58, 560-569.	0.9	17

#	Article	IF	Citations
19	Parental gamma irradiation induces reprotoxic effects accompanied by genomic instability in zebrafish (Danio rerio) embryos. Environmental Research, 2017, 159, 564-578.	3.7	39
20	No cancer predisposition or increased spontaneous mutation frequencies in NEIL DNA glycosylases-deficient mice. Scientific Reports, 2017, 7, 4384.	1.6	37
21	Enhanced susceptibility of obese mice to glycidamideâ€induced sperm chromatin damage without increased oxidative stress. Andrology, 2016, 4, 1102-1114.	1.9	11
22	Genotoxicity and gene expression modulation of silver and titanium dioxide nanoparticles in mice. Nanotoxicology, 2016, 10, 312-321.	1.6	65
23	Assessing the carcinogenic potential of low-dose exposures to chemical mixtures in the environment: the challenge ahead. Carcinogenesis, 2015, 36, S254-S296.	1.3	239
24	Reference cells and ploidy in the comet assay. Frontiers in Genetics, 2015, 6, 61.	1.1	9
25	Causes of genome instability: the effect of low dose chemical exposures in modern society. Carcinogenesis, 2015, 36, S61-S88.	1.3	149
26	Genotoxic effects of two-generational selenium deficiency in mouse somatic and testicular cells. Mutagenesis, 2015, 30, 217-225.	1.0	18
27	Single cell gel electrophoresis (SCGE) and Pig-a mutation assay in vivo-tools for genotoxicity testing from a regulatory perspective: A study of benzo[a]pyrene in Ogg1â^'/â^' mice. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2014, 772, 34-41.	0.9	17
28	Paternal lifestyle as a potential source of germline mutations transmitted to offspring. FASEB Journal, 2013, 27, 2873-2879.	0.2	52
29	Paternal Benzo[a]pyrene Exposure Affects Gene Expression in the Early Developing Mouse Embryo. Toxicological Sciences, 2012, 129, 157-165.	1.4	23
30	Spermatogenesis Is Not Impaired in a Nucleotide Excision Repair-Deficient Min Mouse Model With or Without Neonatal Mutagen Treatment. Journal of Andrology, 2011, 32, 541-549.	2.0	0
31	Preconceptional paternal glycidamide exposure affects embryonic gene expression: Single embryo gene expression study following in vitro fertilization. Reproductive Toxicology, 2011, 32, 463-471.	1.3	10
32	Octyl Methoxycinnamate Modulates Gene Expression and Prevents Cyclobutane Pyrimidine Dimer Formation but not Oxidative DNA Damage in UV-Exposed Human Cell Lines. Toxicological Sciences, 2010, 114, 272-284.	1.4	37
33	In vitro investigations of glycidamide-induced DNA lesions in mouse male germ cells and in mouse and human lymphocytes. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2010, 696, 55-61.	0.9	46
34	Environmental Exposure of the Mouse Germ Line: DNA Adducts in Spermatozoa and Formation of De Novo Mutations during Spermatogenesis. PLoS ONE, 2010, 5, e11349.	1.1	37
35	Molecular portrait of cisplatin induced response in human testis cancer cell lines based on gene expression profiles. Molecular Cancer, 2007, 6, 53.	7.9	56
36	Chapter 23. DNA Repair Capacities in Testicular Cells of Rodents and Man. Issues in Toxicology, 2007, , 273-285.	0.2	2

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37	How do male germ cells handle DNA damage?. Toxicology and Applied Pharmacology, 2005, 207, 521-531.	1.3	112
38	Limited repair of 8-hydroxy-7,8-dihydroguanine residues in human testicular cells. Nucleic Acids Research, 2003, 31, 1351-1363.	6.5	56