Hanspeter Naegeli

List of Publications by Year
in descending order

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45 papers	1,893 citations	257450 24 h-index	254184 43 g-index
46 all docs	46 docs citations	46 times ranked	2293 citing authors

#	Article	IF	Citations
1	Critical review of the safety assessment of titanium dioxide additives in food. Journal of Nanobiotechnology, 2018, 16, 51.	9.1	158
2	The xeroderma pigmentosum pathway: Decision tree analysis of DNA quality. DNA Repair, 2011, 10, 673-683.	2.8	103
3	Recognition of helical kinks by xeroderma pigmentosum group A protein triggers DNA excision repair. Nature Structural and Molecular Biology, 2006, 13, 278-284.	8.2	102
4	Critical review of the safety assessment of nano-structured silica additives in food. Journal of Nanobiotechnology, 2016, 14, 44.	9.1	96
5	DNA Quality Control by Conformational Readout on the Undamaged Strand of the Double Helix. Chemistry and Biology, 2005, 12, 913-922.	6.0	95
6	Chromatin retention of DNA damage sensors DDB2 and XPC through loss of p97 segregase causes genotoxicity. Nature Communications, 2014, 5, 3695.	12.8	92
7	An Aromatic Sensor with Aversion to Damaged Strands Confers Versatility to DNA Repair. PLoS Biology, 2007, 5, e79.	5.6	84
8	DNA Quality Control by a Lesion Sensor Pocket of the Xeroderma Pigmentosum Group D Helicase Subunit of TFIIH. Current Biology, 2013, 23, 204-212.	3.9	83
9	Strand- and site-specific DNA lesion demarcation by the xeroderma pigmentosum group D helicase. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 17545-17550.	7.1	80
10	Metabolomic biomarkers correlating with hepatic lipidosis in dairy cows. BMC Veterinary Research, 2014, 10, 122.	1.9	74
11	Convergent transcriptional profiles induced by endogenous estrogen and distinct xenoestrogens in breast cancer cells. Carcinogenesis, 2005, 27, 1567-1578.	2.8	73
12	Two-stage dynamic DNA quality check by xeroderma pigmentosum group C protein. EMBO Journal, 2009, 28, 2387-2399.	7.8	72
13	Regulation of Nucleotide Excision Repair by UV-DDB: Prioritization of Damage Recognition to Internucleosomal DNA. PLoS Biology, 2011, 9, e1001183.	5.6	68
14	Xeroderma pigmentosum group C sensor: unprecedented recognition strategy and tight spatiotemporal regulation. Cellular and Molecular Life Sciences, 2016, 73, 547-566.	5.4	52
15	DNA repair triggered by sensors of helical dynamics. Trends in Biochemical Sciences, 2007, 32, 494-499.	7.5	45
16	Dynamic two-stage mechanism of versatile DNA damage recognition by xeroderma pigmentosum group C protein. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2010, 685, 21-28.	1.0	42
17	Mechanisms of DNA damage recognition in mammalian nucleotide excision repair. FASEB Journal, 1995, 9, 1043-1050.	0.5	41
18	Poly(ADP-ribose) polymerase 1 escorts XPC to UV-induced DNA lesions during nucleotide excision repair. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E6847-E6856.	7.1	39

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19	Prenatal exposure to TiO2 nanoparticles in mice causes behavioral deficits with relevance to autism spectrum disorder and beyond. Translational Psychiatry, 2018, 8, 193.	4.8	39
20	Histone shuttle driven by the automodification cycle of poly(ADP-ribose) polymerase. Environmental and Molecular Mutagenesis, 1993, 22, 278-282.	2.2	37
21	Iron phosphate nanoparticles for food fortification: Biological effects in rats and human cell lines. Nanotoxicology, 2017, 11, 496-506.	3.0	36
22	MyD88-dependent pro-interleukin-1Î² induction in dendritic cells exposed to food-grade synthetic amorphous silica. Particle and Fibre Toxicology, 2017, 14, 21.	6.2	36
23	Roadblocks and detours during DNA replication: Mechanisms of mutagenesis in mammalian cells. BioEssays, 1994, 16, 557-564.	2.5	35
24	Xeroderma pigmentosum complementation group A protein is driven to nucleotide excision repair sites by the electrostatic potential of distorted DNA. DNA Repair, 2007, 6, 1819-1828.	2.8	26
25	The Use of Sarmazenil in the Treatment of a Moxidectin Intoxication in a Foal. Journal of Veterinary Internal Medicine, 2005, 19, 348-349.	1.6	24
26	ASH1L histone methyltransferase regulates the handoff between damage recognition factors in global-genome nucleotide excision repair. Nature Communications, 2017, 8, 1333.	12.8	23
27	Antimicrobial prescriptions in cats in Switzerland before and after the introduction of an online antimicrobial stewardship tool. BMC Veterinary Research, 2020, 16, 229.	1.9	22
28	DNA Synthesis Arrest at C4â€˜-Modified Deoxyribose Residuesâ€. Biochemistry, 1997, 36, 2332-2337.	2.5	21
29	Chromatin remodeler <scp>CHD</scp>1 promotes <scp>XPC</scp>â€toâ€<scp>TFIIH</scp> handover of nucleosomal <scp>UV</scp> lesions in nucleotide excision repair. EMBO Journal, 2017, 36, 3372-3386.	7.8	20
30	Analysis of the equine â€œcumulomeâ€•reveals major metabolic aberrations after maturation in vitro. BMC Genomics, 2019, 20, 588.	2.8	20
31	Global-genome Nucleotide Excision Repair Controlled by Ubiquitin/Sumo Modifiers. Frontiers in Genetics, 2016, 7, 68.	2.3	19
32	A chromatin scaffold for DNA damage recognition: how histone methyltransferases prime nucleosomes for repair of ultraviolet light-induced lesions. Nucleic Acids Research, 2020, 48, 1652-1668.	14.5	19
33	Low-Dose Formaldehyde Delays DNA Damage Recognition and DNA Excision Repair in Human Cells. PLoS ONE, 2014, 9, e94149.	2.5	18
34	Pleiotropic combinatorial transcriptomes of human breast cancer cells exposed to mixtures of dietary phytoestrogens. Food and Chemical Toxicology, 2009, 47, 787-795.	3.6	15
35	Long-term monitoring of opioid, sedative and anti-inflammatory drugs in horse hair using a selective and sensitive LC-MS/MS procedure. BMC Veterinary Research, 2016, 12, 84.	1.9	15
36	Consecutive antibiotic treatment with doxycycline and marbofloxacin clears bacteremia in Mycoplasma haemofelis -infected cats. Veterinary Microbiology, 2018, 217, 112-120.	1.9	15

#	Article	IF	Citations
37	Effect of antimicrobial stewardship on antimicrobial prescriptions for selected diseases of dogs in Switzerland. Journal of Veterinary Internal Medicine, 2020, 34, 2418-2431.	1.6	14
38	Antimicrobial prescriptions and adherence to prudent use guidelines for selected canine diseases in Switzerland in 2016. Veterinary Record Open, 2020, 7, e000370.	1.0	14
39	Dissection of the Xeroderma Pigmentosum Group C Protein Function by Site-Directed Mutagenesis. Antioxidants and Redox Signaling, 2011, 14, 2479-2490.	5.4	9
40	Mechanisms of Repair of Polycyclic Aromatic Hydrocarbon-Induced DNA Damage. , 2005, , 211-258.		5
41	CRL4 ubiquitin ligase stimulates Fanconi anemia pathway-induced single-stranded DNA-RPA signaling. BMC Cancer, 2019, 19, 1042.	2.6	4
42	Comparison of antimicrobial prescription patterns in calves in Switzerland before and after the launch of online guidelines for prudent antimicrobial use. BMC Veterinary Research, 2021, 17, 2.	1.9	4
43	Extrapolating Antibiotic Sales to Number of Treated Animals: Treatments in Pigs and Calves in Switzerland, 2011â€“2015. Frontiers in Veterinary Science, 2019, 6, 318.	2.2	3
44	The Use of Sarmazenil in the Treatment of a Moxidectin Intoxication in a Foal. Journal of Veterinary Internal Medicine, 2005, 19, 348.	1.6	1
45	Exonuclease containment by SUMO plus ubiquitin. Cell Cycle, 2015, 14, 2873-2874.	2.6	0