Maxine J Mccall

List of Publications by Citations

35 papers	2,062 citations	21 h-index	37 g-index
37 ext. papers	2,190 ext. citations	9 avg, IF	4.66 L-index

#	Paper	IF	Citations
35	Zinc oxide nanoparticles in modern sunscreens: an analysis of potential exposure and hazard. *Nanotoxicology*, **2010**, 4, 15-41	5.3	288
34	The crystal structure of d(G-G-G-G-C-C-C-C). A model for poly(dG).poly(dC). *Journal of Molecular Biology*, **1985**, 183, 385-96	6.5	240
33	Small amounts of zinc from zinc oxide particles in sunscreens applied outdoors are absorbed through human skin. *Toxicological Sciences*, **2010**, 118, 140-9	4.4	236
32	Highly Efficient Binding of DNA on the Sidewalls and Tips of Carbon Nanotubes Using Photochemistry. *Nano Letters*, **2004**, 4, 89-93	11.5	192
31	Effects of surface chemistry on cytotoxicity, genotoxicity, and the generation of reactive oxygen species induced by ZnO nanoparticles. *Langmuir*, **2010**, 26, 15399-408	4	188
30	The crystal structure of d(GGATGGGAG): an essential part of the binding site for transcription factor IIIA. *Nature*, **1986**, 322, 661-4	50.4	131
29	Durability and inflammogenic impact of carbon nanotubes compared with asbestos fibres. *Particle and Fibre Toxicology*, **2011**, 8, 15	8.4	76
28	Comparison of dermal absorption of zinc from different sunscreen formulations and differing UV exposure based on stable isotope tracing. *Science of the Total Environment*, **2012**, 420, 313-8	10.2	65
27	A ribozyme with DNA in the hybridising arms displays enhanced cleavage ability. *Nucleic Acids Research*, **1992**, 20, 5737-41	20.1	60
26	Dermal absorption and short-term biological impact in hairless mice from sunscreens containing zinc oxide nano- or larger particles. *Nanotoxicology*, **2014**, 8 Suppl 1, 72-84	5.3	51
25	Surface modifications of ZnO nanoparticles and their cytotoxicity. *Journal of Nanoscience and Nanotechnology*, **2010**, 10, 7565-70	1.3	47
24	Structural analysis of a reconstituted DNA containing three histone octamers and histone H5. *Journal of Molecular Biology*, **1987**, 197, 485-511	6.5	42
23	A review of critical factors for assessing the dermal absorption of metal oxide nanoparticles from sunscreens applied to humans, and a research strategy to address current deficiencies. *Archives of Toxicology*, **2015**, 89, 1909-30	5.8	41
22	In vitro activity of minimised hammerhead ribozymes. *Nucleic Acids Research*, **1995**, 23, 3922-7	20.1	39
21	A comparison of the in vitro activity of DNA-armed and all-RNA hammerhead ribozymes. *Nucleic Acids Research*, **1995**, 23, 3928-36	20.1	36
20	Crystal structure of a zinc-(9-methyladenine) complex with N1 as the preferred binding site. *Nucleic Acids and Protein Synthesis*, **1975**, 390, 137-9		31
19	Surface coatings of ZnO nanoparticles mitigate differentially a host of transcriptional, protein and signalling responses in primary human olfactory cells. *Particle and Fibre Toxicology*, **2013**, 10, 54	8.4	28

18	Two mutant forms of human insulin. Structural consequences of the substitution of invariant B24- or B25-phenylalanine by leucine. *Hoppe-Seyler's Zeitschrift F□ Physiologische Chemie*, **1981**, 362, 581-91		28
17	Size-dependent cytotoxicity and genotoxicity of ZnO particles to human lymphoblastoid (WIL2-NS) cells. *Environmental and Molecular Mutagenesis*, **2015**, 56, 767-76	3.2	25
16	Single-walled carbon nanotubes with DNA recognition. *Chemical Physics Letters*, **2007**, 443, 169-172	2.5	23
15	A comparative study of the physical and chemical properties of nano-sized ZnO particles from multiple batches of three commercial products. *Journal of Nanoparticle Research*, **2015**, 17, 1	2.3	20
14	Using linkers to investigate the spatial separation of the conserved nucleotides A9 and G12 in the hammerhead ribozyme. *Biochimica Et Biophysica Acta Gene Regulatory Mechanisms*, **1994**, 1219, 405-12		17
13	Detecting free radicals in sunscreens exposed to UVA radiation using chemiluminescence. *Journal of Photochemistry and Photobiology B: Biology*, **2014**, 133, 27-38	6.7	14
12	A minimised hammerhead ribozyme with activity against interleukin-2 in human cells. *Biochemical and Biophysical Research Communications*, **1997**, 231, 397-402	3.4	14
11	Small, efficient hammerhead ribozymes. *Molecular Biotechnology*, **2000**, 14, 5-17	3	13
10	An inter-laboratory comparison of high precision stable isotope ratio measurements for nanoparticle tracing in biological samples. *Journal of Analytical Atomic Spectrometry*, **2014**, 29, 471-477	3.7	12
9	Redesigned and chemically-modified hammerhead ribozymes with improved activity and serum stability. *BMC Chemical Biology*, **2004**, 4, 1		12
8	A tiered approach. *Nature Nanotechnology*, **2013**, 8, 307-8	28.7	9
7	Azide photochemistry for facile modification of graphitic surfaces: preparation of DNA-coated carbon nanotubes for biosensing. *Nanotechnology*, **2012**, 23, 425503	3.4	7
6	Design of hybridizing arms in hammerhead ribozymes. *Methods in Molecular Biology*, **1997**, 74, 253-64	1.4	4
5	Minimized hammerhead ribozymes. *Methods in Molecular Biology*, **1997**, 74, 151-9	1.4	3
4	Consumer Use of Sunscreens Containing Nanoparticles **2018**, 389-423		2
3	Defining optimum reaction conditions for hammerhead ribozymes. *Methods in Molecular Biology*, **1997**, 74, 231-9	1.4	1
2	Influence of Helix Length on Cleavage Efficiency of Hammerhead Ribozymes. *Australian Journal of Chemistry*, **2005**, 58, 851	1.2	1
1	Small Efficient Hammerhead Ribozymes **1998**, 1-16		1