

# Flavia Barone

## List of Publications by Year in descending order

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25  
papers

738  
citations

623188

14  
h-index

610482

24  
g-index

25  
all docs

25  
docs citations

25  
times ranked

1210  
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparative study of ZnO and TiO <sub>2</sub> nanoparticles: physicochemical characterisation and toxicological effects on human colon carcinoma cells. <i>Nanotoxicology</i> , 2013, 7, 1361-1372.	1.6	117
2	Different mechanisms are involved in oxidative DNA damage and genotoxicity induction by ZnO and TiO <sub>2</sub> nanoparticles in human colon carcinoma cells. <i>Toxicology in Vitro</i> , 2015, 29, 1503-1512.	1.1	89
3	8-Oxoguanine incorporation into DNA repeats in vitro and mismatch recognition by MutS $\alpha$ . <i>Nucleic Acids Research</i> , 2005, 33, 5094-5105.	6.5	69
4	ZnO nanoparticle tracking from uptake to genotoxic damage in human colon carcinoma cells. <i>Toxicology in Vitro</i> , 2016, 35, 169-179.	1.1	66
5	Towards FAIR nanosafety data. <i>Nature Nanotechnology</i> , 2021, 16, 644-654.	15.6	61
6	Role of MUTYH and MSH2 in the Control of Oxidative DNA Damage, Genetic Instability, and Tumorigenesis. <i>Cancer Research</i> , 2009, 69, 4372-4379.	0.4	48
7	MUTYH mutations associated with familial adenomatous polyposis: functional characterization by a mammalian cell-based assay. <i>Human Mutation</i> , 2010, 31, 159-166.	1.1	41
8	Genotype-phenotype analysis of S326C OGG1 polymorphism: a risk factor for oxidative pathologies. <i>Free Radical Biology and Medicine</i> , 2013, 63, 401-409.	1.3	28
9	Replication of 2-hydroxyadenine-containing DNA and recognition by human MutS $\alpha$ . <i>DNA Repair</i> , 2007, 6, 355-366.	1.3	25
10	8-Oxoguanine DNA-glycosylase repair activity and expression: A comparison between cryopreserved isolated lymphocytes and EBV-derived lymphoblastoid cell lines. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2011, 718, 62-67.	0.9	23
11	Structural and dynamic effects of single 7-hydro-8-oxoguanine bases located in a frameshift target DNA sequence. <i>Biophysical Chemistry</i> , 2005, 118, 31-41.	1.5	21
12	DNA, RNA and hybrid RNA-DNA oligomers of identical sequence: structural and dynamic differences. <i>Biophysical Chemistry</i> , 2000, 86, 37-47.	1.5	18
13	Torsional constant of 27-mer DNA oligomers of different sequences. <i>Biophysical Chemistry</i> , 2001, 94, 175-184.	1.5	16
14	Triple helix DNA oligomer melting measured by fluorescence polarization anisotropy. <i>European Biophysics Journal</i> , 1998, 27, 137-146.	1.2	15
15	Two-photon fluorescence cross-correlation spectroscopy as a potential tool for high-throughput screening of DNA repair activity. <i>Nucleic Acids Research</i> , 2005, 33, e165-e165.	6.5	15
16	EFFECT OF THYMINE DIMER INTRODUCTION IN A 21 BASE PAIR OLIGONUCLEOTIDE. <i>Photochemistry and Photobiology</i> , 1995, 61, 61-67.	1.3	14
17	Influence of DNA conformation on radiation-induced single-strand breaks. <i>Radiation and Environmental Biophysics</i> , 1994, 33, 23-33.	0.6	13
18	Biotransformation of Silver Nanoparticles into Oro-Gastrointestinal Tract by Integrated In Vitro Testing Assay: Generation of Exposure-Dependent Physical Descriptors for Nanomaterial Grouping. <i>Nanomaterials</i> , 2021, 11, 1587.	1.9	13

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19	Critical issues in genotoxicity assessment of TiO <sub>2</sub> nanoparticles by human peripheral blood mononuclear cells. <i>Journal of Applied Toxicology</i> , 2018, 38, 1471-1482.	1.4	12
20	Use of a common European approach for nanomaterials' testing to support regulation: a case study on titanium and silicon dioxide representative nanomaterials. <i>Journal of Applied Toxicology</i> , 2020, 40, 1511-1525.	1.4	10
21	Silica encapsulation of ZnO nanoparticles reduces their toxicity for cumulus cell-oocyte-complex expansion. <i>Particle and Fibre Toxicology</i> , 2021, 18, 33.	2.8	9
22	Fluorescence Anisotropy in the Frequency Domain by an Optical Microscope. <i>Applied Spectroscopy</i> , 2004, 58, 160-165.	1.2	8
23	A harmonized and standardized in vitro approach produces reliable results on silver nanoparticles toxicity in different cell lines. <i>Journal of Applied Toxicology</i> , 2021, 41, 1980-1997.	1.4	4
24	FAIRification of nanosafety data to improve applicability of (Q)SAR approaches: a case study on in vitro Comet assay genotoxicity data. <i>Computational Toxicology</i> , 2021, 20, 100190.	1.8	2
25	Regulatory perspectives on medical nanotechnologies. , 2020, , 273-291.		1