

John W Wills

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

976
citations

394421

19
h-index

501196

28
g-index

31
all docs

31
docs citations

31
times ranked

1406
citing authors

#	ARTICLE	IF	CITATIONS
1	Comprehensive interpretation of in vitro micronucleus test results for 292 chemicals: from hazard identification to risk assessment application. Archives of Toxicology, 2022, 96, 2067-2085.	4.2	15
2	Inter-laboratory automation of the in vitro micronucleus assay using imaging flow cytometry and deep learning. Archives of Toxicology, 2021, 95, 3101-3115.	4.2	14
3	Developing ovine mammary terminal duct lobular units have a dynamic mucosal and stromal immune microenvironment. Communications Biology, 2021, 4, 993.	4.4	13
4	Formulation of Metal-Organic Framework-Based Drug Carriers by Controlled Coordination of Methoxy PEG Phosphate: Boosting Colloidal Stability and Redispersibility. Journal of the American Chemical Society, 2021, 143, 13557-13572.	13.7	88
5	Copper nanoparticles have negligible direct antibacterial impact. NanoImpact, 2020, 17, 100192.	4.5	30
6	Infection with the sheep gastrointestinal nematode Teladorsagia circumcincta increases luminal pathobionts. Microbiome, 2020, 8, 60.	11.1	40
7	Gastrointestinal absorption and toxicity of nanoparticles and microparticles: Myth, reality and pitfalls explored through titanium dioxide. Current Opinion in Toxicology, 2020, 19, 112-120.	5.0	23
8	A Murine Oral Exposure Model for Nano- and Micro-Particulates: Demonstrating Human Relevance with Food-Grade Titanium Dioxide. Small, 2020, 16, e2000486.	10.0	12
9	Image-Based Cell Profiling Enables Quantitative Tissue Microscopy in Gastroenterology. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2020, 97, 1222-1237.	1.5	12
10	Quantifying the Dispersion of Nanoparticles by Electron Microscopy. Microscopy and Microanalysis, 2019, 25, 706-707.	0.4	0
11	The origin of heterogeneous nanoparticle uptake by cells. Nature Communications, 2019, 10, 2341.	12.8	104
12	In vitro detection of in vitro secondary mechanisms of genotoxicity induced by engineered nanomaterials. Particle and Fibre Toxicology, 2019, 16, 8.	6.2	40
13	Investigating FlowSight® imaging flow cytometry as a platform to assess chemically induced micronuclei using human lymphoblastoid cells in vitro. Mutagenesis, 2018, 33, 283-289.	2.6	12
14	Identification of a mammalian silicon transporter. American Journal of Physiology - Cell Physiology, 2017, 312, C550-C561.	4.6	45
15	Characterizing Nanoparticles in Biological Matrices: Tipping Points in Agglomeration State and Cellular Delivery <i>In Vitro</i> . ACS Nano, 2017, 11, 11986-12000.	14.6	33
16	Comparing BMD-derived genotoxic potency estimations across variants of the transgenic rodent gene mutation assay. Environmental and Molecular Mutagenesis, 2017, 58, 632-643.	2.2	25
17	Critical review of the current and future challenges associated with advanced <i>in vitro</i> systems towards the study of nanoparticle (secondary) genotoxicity. Mutagenesis, 2017, 32, 233-241.	2.6	75
18	Empirical analysis of BMD metrics in genetic toxicology part II: <i>in vivo</i> potency comparisons to promote reductions in the use of experimental animals for genetic toxicity assessment. Mutagenesis, 2016, 31, 265-275.	2.6	48

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19	Comparison of <i>in vitro</i> and <i>in vivo</i> clastogenic potency based on benchmark dose analysis of flow cytometric micronucleus data. <i>Mutagenesis</i> , 2016, 31, 277-285.	2.6	27
20	Empirical analysis of BMD metrics in genetic toxicology part I: <i>in vitro</i> analyses to provide robust potency rankings and support MOA determinations. <i>Mutagenesis</i> , 2016, 31, 255-263.	2.6	68
21	MutAIT: an online genetic toxicology data portal and analysis tools. <i>Mutagenesis</i> , 2016, 31, 323-328.	2.6	10
22	Genetic toxicity assessment of engineered nanoparticles using a 3D <i>in vitro</i> skin model (EpiDerm [®]). <i>Particle and Fibre Toxicology</i> , 2015, 13, 50.	6.2	51
23	Cell Type-Dependent Changes in CdSe/ZnS Quantum Dot Uptake and Toxic Endpoints. <i>Toxicological Sciences</i> , 2015, 144, 246-258.	3.1	53
24	New approaches to advance the use of genetic toxicology analyses for human health risk assessment. <i>Toxicology Research</i> , 2015, 4, 667-676.	2.1	34
25	Genotoxic capacity of Cd/Se semiconductor quantum dots with differing surface chemistries. <i>Mutagenesis</i> , 2015, 31, gev061.	2.6	21
26	Quantum dot induced cellular perturbations involving varying toxicity pathways. <i>Toxicology Research</i> , 2015, 4, 623-633.	2.1	13
27	Development of an Optically Transparent Silicon Based Technology Platform for Biological Analysis. <i>IEEE Sensors Journal</i> , 2015, 15, 1849-1857.	4.7	1
28	Nanoparticle vesicle encoding for imaging and tracking cell populations. <i>Nature Methods</i> , 2014, 11, 1177-1181.	19.0	29
29	Recommendations, evaluation and validation of a semi-automated, fluorescent-based scoring protocol for micronucleus testing in human cells. <i>Mutagenesis</i> , 2014, 29, 155-164.	2.6	36
30	Modification of Schottky interface by the inclusion of DNA interlayer to create metal / organic / inorganic structures. , 2012, , .		2