Olga V Tsyusko

List of Publications by Year
in descending order

46 papers	2,478 citations	257450 24 h-index	233421 45 g-index
46 all docs	46 docs citations	46 times ranked	3078 citing authors

#	Article	IF	Citations
1	Bioanalytical approaches for the detection, characterization, and risk assessment of micro/nanoplastics in agriculture and food systems. Analytical and Bioanalytical Chemistry, 2022, 414, 4591-4612.	3.7	6
2	Responses of soil bacteria and fungal communities to pristine and sulfidized zinc oxide nanoparticles relative to Zn ions. Journal of Hazardous Materials, 2021, 405, 124258.	12.4	28
3	FEAST of biosensors: Food, environmental and agricultural sensing technologies (FEAST) in North America. Biosensors and Bioelectronics, 2021, 178, 113011.	10.1	19
4	Dual-Functional Phosphorene Nanocomposite Membranes for the Treatment of Perfluorinated Water: An Investigation of Perfluorooctanoic Acid Removal via Filtration Combined with Ultraviolet Irradiation or Oxygenation. Membranes, 2021, 11, 18.	3.0	9
5	Nanohybrid Membrane Synthesis with Phosphorene Nanoparticles: A Study of the Addition, Stability and Toxicity. Polymers, 2020, 12, 1555.	4.5	9
6	Comparison of Nanomaterials for Delivery of Double-Stranded RNA inCaenorhabditis elegans. Journal of Agricultural and Food Chemistry, 2020, 68, 7926-7934.	5.2	10
7	Epigenetic effects induced by silver nanoparticles in Caenorhabditis elegans after multigenerational exposure. Science of the Total Environment, 2020, 725, 138523.	8.0	30
8	Efficacy of chitosan/double-stranded RNA polyplex nanoparticles for gene silencing under variable environmental conditions. Environmental Science: Nano, 2020, 7, 1582-1592.	4.3	9
9	Genomic mutations after multigenerational exposure of Caenorhabditis elegans to pristine and sulfidized silver nanoparticles. Environmental Pollution, 2019, 254, 113078.	7.5	31
10	Toxicogenomic responses of Caenorhabditis elegans to pristine and transformed zinc oxide nanoparticles. Environmental Pollution, 2019, 247, 917-926.	7.5	34
11	Uptake and Bioactivity of Chitosan/Double-Stranded RNA Polyplex Nanoparticles in <i>Caenorhabditis elegans</i>. Environmental Science & Technology, 2019, 53, 3832-3840.	10.0	26
12	Comparing plantâ€“insect trophic transfer of Cu from lab-synthesised nano-Cu(OH)2 with a commercial nano-Cu(OH)2 fungicide formulation. Environmental Chemistry, 2019, 16, 411.	1.5	21
13	Different patterns of colonization of <i>Oxalis alpina</i> in the Sky Islands of the Sonoran desert via pollen and seed flow. Ecology and Evolution, 2018, 8, 5661-5673.	1.9	5
14	The role of charge in the toxicity of polymer-coated cerium oxide nanomaterials to Caenorhabditis elegans. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2017, 201, 1-10.	2.6	12
15	Effects of biosolids from a wastewater treatment plant receiving manufactured nanomaterials on Medicago truncatula and associated soil microbial communities at low nanomaterial concentrations. Science of the Total Environment, 2017, 609, 799-806.	8.0	32
16	Effect of natural organic matter on dissolution and toxicity of sulfidized silver nanoparticles to Caenorhabditis elegans. Environmental Science: Nano, 2016, 3, 728-736.	4.3	63
17	Multigenerational exposure to silver ions and silver nanoparticles reveals heightened sensitivity and epigenetic memory in <i>Caenorhabditis elegans</i>. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20152911.	2.6	54
18	Distinct transcriptomic responses of Caenorhabditis elegans to pristine and sulfidized silver nanoparticles. Environmental Pollution, 2016, 213, 314-321.	7.5	44

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19	Nanomaterials in Biosolids Inhibit Nodulation, Shift Microbial Community Composition, and Result in Increased Metal Uptake Relative to Bulk/Dissolved Metals. Environmental Science & Technology, 2015, 49, 8751-8758.	10.0	90
20	Toxicogenomic Responses of the Model Legume <i>Medicago truncatula</i> to Aged Biosolids Containing a Mixture of Nanomaterials (TiO₂, Ag, and ZnO) from a Pilot Wastewater Treatment Plant. Environmental Science & Technology, 2015, 49, 8759-8768.	10.0	70
21	Impact of sulfidation on the bioavailability and toxicity of silver nanoparticles to Caenorhabditis elegans. Environmental Pollution, 2015, 196, 239-246.	7.5	122
22	Multi-Level Effects of Low Dose Rate Ionizing Radiation on Southern Toad, Anaxyrus [Bufo] terrestris. PLoS ONE, 2015, 10, e0125327.	2.5	14
23	A micro-sized model for the in vivo study of nanoparticle toxicity: what has Caenorhabditis elegans taught us?. Environmental Chemistry, 2014, 11, 227.	1.5	39
24	A genetic map of Peromyscus with chromosomal assignment of linkage groups (a Peromyscus genetic) Tj ETQq0 0 0 rgBT /Overlock 10 T	2.2	24
25	Influence of Natural Organic Matter and Surface Charge on the Toxicity and Bioaccumulation of Functionalized Ceria Nanoparticles in <i>Caenorhabditis elegans</i>. Environmental Science & Technology, 2014, 48, 1280-1289.	10.0	145
26	THE ROLE OF INBREEDING DEPRESSION AND MATING SYSTEM IN THE EVOLUTION OF HETEROSTYLY. Evolution; International Journal of Organic Evolution, 2013, 67, 2309-2322.	2.3	18
27	Toxicogenomic Responses of the Model Organism Caenorhabditis elegans to Gold Nanoparticles. Environmental Science & Technology, 2012, 46, 4115-4124.	10.0	92
28	Short-term molecular-level effects of silver nanoparticle exposure on the earthworm, Eisenia fetida. Environmental Pollution, 2012, 171, 249-255.	7.5	89
29	Effects of two stressors on amphibian larval development. Ecotoxicology and Environmental Safety, 2012, 79, 283-287.	6.0	8
30	Trophic Transfer of Au Nanoparticles from Soil along a Simulated Terrestrial Food Chain.. Environmental Science & Technology, 2012, 46, 9753-9760.	10.0	147
31	Ecotoxicity test methods for engineered nanomaterials: Practical experiences and recommendations from the bench. Environmental Toxicology and Chemistry, 2012, 31, 15-31.	4.3	273
32	Effect of silver nanoparticle surface coating on bioaccumulation and reproductive toxicity in earthworms (<i>Eisenia fetida</i>). Nanotoxicology, 2011, 5, 432-444.	3.0	186
33	Role of Particle Size and Soil Type in Toxicity of Silver Nanoparticles to Earthworms. Soil Science Society of America Journal, 2011, 75, 365-377.	2.2	169
34	Differential genetic responses to ionizing irradiation in individual families of Japanese medaka, Oryzias latipes. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2011, 718, 18-23.	1.7	13
35	Evidence for avoidance of Ag nanoparticles by earthworms (Eisenia fetida). Ecotoxicology, 2011, 20, 385-396.	2.4	128
36	Effects of Particle Size on Chemical Speciation and Bioavailability of Copper to Earthworms (<i>Eisenia fetida</i>) Exposed to Copper Nanoparticles. Journal of Environmental Quality, 2010, 39, 1942-1953.	2.0	153

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37	Five hundred microsatellite loci for Peromyscus. Conservation Genetics, 2010, 11, 1243-1246.	1.5	15
38	Evidence for Bioavailability of Au Nanoparticles from Soil and Biodistribution within Earthworms (<i>Eisenia fetida</i>). Environmental Science & Technology, 2010, 44, 8308-8313.	10.0	135
39	Characterization of microsatellite loci from the Malagasy endemic, TinaÂstriata Radlk. (Sapindaceae). Conservation Genetics, 2009, 10, 1113-1115.	1.5	1
40	Microsatellite markers isolated from barn swallows (Hirundo rustica). Molecular Ecology Notes, 2007, 7, 833-835.	1.7	15
41	Development and characterization of microsatellite loci in the eastern chipmunk (Tamias striatus). Molecular Ecology Notes, 2007, 7, 877-879.	1.7	10
42	Microsatellite markers isolated from saltgrass (Distichlis spicata). Molecular Ecology Notes, 2007, 7, 883-885.	1.7	0
43	Microsatellite markers isolated from polyploid wood-sorrel Oxalis alpina (Oxalidaceae). Molecular Ecology Notes, 2007, 7, 1284-1286.	1.7	4
44	Genetics of cattails in radioactively contaminated areas around Chornobyl. Molecular Ecology, 2006, 15, 2611-2625.	3.9	12
45	Genetic and clonal diversity of two cattail species, <i>Typha latifolia</i> and <i>T. angustifolia</i> (Typhaceae), from Ukraine. American Journal of Botany, 2005, 92, 1161-1169.	1.7	48
46	Frequency distributions of 137Cs in fish and mammal populations. Journal of Environmental Radioactivity, 2002, 61, 55-74.	1.7	16