# Nivedita Chatterjee

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5305784/publications.pdf

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| 37 | 1,115 | 393982 | 395343 |
|---|---|---|---|
| papers | citations | 19 h-index | 33 g-index |

| 38 | 38 | 38 | 2032 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Nanosafety: An Evolving Concept to Bring the Safest Possible Nanomaterials to Society and Environment. Nanomaterials, 2022, 12, 1810. | 1.9 | 9 |
| 2 | Critical window of exposure of CMIT/MIT with respect to developmental effects on zebrafish embryos: Multi-level endpoint and proteomics analysis. Environmental Pollution, 2021, 268, 115784. | 3.7 | 13 |
| 3 | CRISPR approach in environmental chemical screening focusing on population variability. Journal of Toxicological Sciences, 2021, 46, 499-507. | 0.7 | 0 |
| 4 | Development of the transcriptome for a sediment ecotoxicological model species, Chironomus dilutus. Chemosphere, 2020, 244, 125541. | 4.2 | 13 |
| 5 | Endoplasmic reticulum stress mediated apoptosis via JNK in MWCNT-exposed in vitro systems: size, surface functionalization and cell type specificity. Journal of Toxicological Sciences, 2020, 45, 305-317. | 0.7 | 5 |
| 6 | Cross-sectional and longitudinal associations between global DNA (hydroxy) methylation and exposure biomarkers of the Hebei Spirit oil spill cohort in Taean, Korea. Environmental Pollution, 2020, 263, 114607. | 3.7 | 3 |
| 7 | Activation of the nucleotide excision repair pathway by crude oil exposure: A translational study from model organisms to the Hebei Spirit Oil Spill Cohort. Environmental Pollution, 2019, 254, 112997. | 3.7 | 3 |
| 8 | Multi-generational impacts of organic contaminated stream water on Daphnia magna: A combined proteomics, epigenetics and ecotoxicity approach. Environmental Pollution, 2019, 249, 217-224. | 3.7 | 20 |
| 9 | Genetic, epigenetic, and developmental toxicity of Chironomus riparius raised in metal-contaminated field sediments: A multi-generational study with arsenic as a second challenge. Science of the Total Environment, 2019, 672, 789-797. | 3.9 | 22 |
| 10 | Histone methylation-associated transgenerational inheritance of reproductive defects in Caenorhabditis elegans exposed to crude oil under various exposure scenarios. Chemosphere, 2018, 200, 358-365. | 4.2 | 22 |
| 11 | Developing adverse outcome pathways on silver nanoparticle-induced reproductive toxicity via oxidative stress in the nematode Caenorhabditis elegans using a Bayesian network model. Nanotoxicology, 2018, 12, 1182-1197. | 1.6 | 29 |
| 12 | Epigenetic profiling to environmental stressors in model and non-model organisms: Ecotoxicology perspective. Environmental Health and Toxicology, 2018, 33, e2018015. | 1.8 | 21 |
| 13 | Global metabolomics approach in in vitro and in vivo models reveals hepatic glutathione depletion induced by amorphous silica nanoparticles. Chemico-Biological Interactions, 2018, 293, 100-106. | 1.7 | 25 |
| 14 | Integrated approach of eco-epigenetics and eco-metabolomics on the stress response of bisphenol-A exposure in the aquatic midge Chironomus riparius. Ecotoxicology and Environmental Safety, 2018, 163, 111-116. | 2.9 | 20 |
| 15 | Immune and xenobiotic response crosstalk to chemical exposure by PA01 infection in the nematode Caenorhabditis elegans. Chemosphere, 2018, 210, 1082-1090. | 4.2 | 5 |
| 16 | Differential crosstalk between global DNA methylation and metabolomics associated with cell type specific stress response by pristine and functionalized MWCNT. Biomaterials, 2017, 115, 167-180. | 5.7 | 31 |
| 17 | A systems toxicology approach reveals the Wnt-MAPK crosstalk pathway mediated reproductive failure inCaenorhabditis elegansexposed to graphene oxide (GO) but not to reduced graphene oxide (rGO). Nanotoxicology, 2017, 11, 76-86. | 1.6 | 54 |
| 18 | JAK/STAT and TGF-ÃŸ activation as potential adverse outcome pathway of TiO2NPs phototoxicity in Caenorhabditis elegans. Scientific Reports, 2017, 7, 17833. | 1.6 | 21 |

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|---|---|---|---|
| 19 | Amorphous silica nanoparticle-induced perturbation of cholesterol homeostasis as a function of surface area highlights safe-by-design implementation: an integrated multi-OMICS analysis. RSC Advances, 2016, 6, 68606-68614. | 1.7 | 10 |
| 20 | Diameter size and aspect ratio as critical determinants of uptake, stress response, global metabolomics and epigenetic alterations in multi-wall carbon nanotubes. Carbon, 2016, 108, 529-540. | 5.4 | 38 |
| 21 | Differential genotoxic and epigenotoxic effects of graphene family nanomaterials (GFNs) in human bronchial epithelial cells. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2016, 798-799, 1-10. | 0.9 | 45 |
| 22 | A systems toxicology approach on the mechanism of uptake and toxicity of MWCNT in Caenorhabditis elegans. Chemico-Biological Interactions, 2015, 239, 153-163. | 1.7 | 35 |
| 23 | Screening of toxic potential of graphene family nanomaterials using in vitro and alternative in vivo toxicity testing systems. Environmental Health and Toxicology, 2015, 30, e2015007. | 1.8 | 44 |
| 24 | A micro-sized model for the in vivo study of nanoparticle toxicity: what has Caenorhabditis elegans taught us?. Environmental Chemistry, 2014, 11, 227. | 0.7 | 39 |
| 25 | Toxic potentiality of bio-oils, from biomass pyrolysis, in cultured cells andCaenorhabditis elegans. Environmental Toxicology, 2014, 29, 1409-1419. | 2.1 | 25 |
| 26 | Potential Toxicity of Differential Functionalized Multiwalled Carbon Nanotubes (MWCNT) in Human Cell Line (BEAS2B) andCaenorhabditis elegans. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2014, 77, 1399-1408. | 1.1 | 68 |
| 27 | Effects of silver nanoparticles on oxidative DNA damageâ€“repair as a function of p38 MAPK status: A comparative approach using human Jurkat T cells and the nematode Caenorhabditis elegans. Environmental and Molecular Mutagenesis, 2014, 55, 122-133. | 0.9 | 56 |
| 28 | Integrated mRNA and micro RNA profiling reveals epigenetic mechanism of differential sensitivity of Jurkat T cells to AgNPs and Ag ions. Toxicology Letters, 2014, 229, 311-318. | 0.4 | 74 |
| 29 | A systems toxicology approach to the surface functionality control of grapheneâ€“cell interactions. Biomaterials, 2014, 35, 1109-1127. | 5.7 | 239 |
| 30 | Kinetics of oxidation of Cr(III)-organic complexes by H<sub>2</sub>O<sub>2</sub>. Chemical Speciation and Bioavailability, 2010, 22, 25-34. | 2.0 | 16 |
| 31 | Exposure-response of Cr(III)-organic complexes to Saccharomyces cerevisiae. Frontiers of Environmental Science and Engineering in China, 2010, 4, 196-202. | 0.8 | 1 |
| 32 | Cr-(III)-organic compounds treatment causes genotoxicity and changes in DNA and protein level in Saccharomyces cerevisiae. Ecotoxicology, 2010, 19, 593-603. | 1.1 | 14 |
| 33 | Effect of two different Cr-(III)-organic compounds exposure toSaccharomyces cerevisiae. Toxicological and Environmental Chemistry, 2010, 92, 75-88. | 0.6 | 2 |
| 34 | Effects of Cr(III) organic compounds onLactobacillus plantarum. Toxicological and Environmental Chemistry, 2010, 92, 1565-1575. | 0.6 | 0 |
| 35 | Uptake and distribution of chromium in Saccharomyces cerevisae exposed to Cr(III)-organic compounds. Chemical Speciation and Bioavailability, 2009, 21, 245-255. | 2.0 | 4 |
| 36 | Isolation and characterization of a profenofos degrading bacterium. Journal of Environmental Sciences, 2009, 21, 1591-1597. | 3.2 | 40 |

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| 37 | Isolation and identification of Profenofos degrading bacteria. Brazilian Journal of Microbiology, 2009, 40, 893-900. | 0.8 | 47 |