

Kurt A Gust

List of Publications by Year in descending order

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| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Effect of UV-light exposure duration, light source, and aging on nitroguanidine (NQ) degradation product profile and toxicity. <i>Science of the Total Environment</i> , 2022, 823, 153554. | 8.0 | 3 |
| 2 | Chronic aquatic toxicity of perfluorooctane sulfonic acid (PFOS) to <i>Ceriodaphnia dubia</i> , <i>Chironomus dilutus</i> , <i>Danio rerio</i> , and <i>Hyalella azteca</i> . <i>Ecotoxicology and Environmental Safety</i> , 2022, 241, 113838. | 6.0 | 8 |
| 3 | Perfluorooctanesulfonic Acid-Induced Toxicity on Zebrafish Embryos in the Presence or Absence of the Chorion. <i>Environmental Toxicology and Chemistry</i> , 2021, 40, 780-791. | 4.3 | 16 |
| 4 | Genomic investigations of acute munitions exposures on the health and skin microbiome composition of leopard frog (<i>Rana pipiens</i>) tadpoles. <i>Environmental Research</i> , 2021, 192, 110245. | 7.5 | 8 |
| 5 | Multi-species Aquatic Toxicity Assessment of 1-Methyl-3-Nitroguanidine (MeNQ). <i>Archives of Environmental Contamination and Toxicology</i> , 2021, 80, 426-436. | 4.1 | 2 |
| 6 | Mode of action evaluation for reduced reproduction in <i>Daphnia pulex</i> exposed to the insensitive munition, 1-methyl-3-nitro-1-nitroguanidine (MeNQ). <i>Ecotoxicology</i> , 2021, 30, 1203-1215. | 2.4 | 4 |
| 7 | Identifying degradation products responsible for increased toxicity of UV-Degraded insensitive munitions. <i>Chemosphere</i> , 2020, 240, 124958. | 8.2 | 13 |
| 8 | Example of Adverse Outcome Pathway Concept Enabling Genome-to-Phenome Discovery in Toxicology. <i>Integrative and Comparative Biology</i> , 2020, 60, 375-384. | 2.0 | 5 |
| 9 | Comparative Toxicological Evaluation of UV-Degraded versus Parent-Insensitive Munition Compound 1-Methyl-3-Nitroguanidine in Fathead Minnow. <i>Environmental Toxicology and Chemistry</i> , 2020, 39, 612-622. | 4.3 | 7 |
| 10 | Different as night and day: Behavioural and life history responses to varied photoperiods in <i>Daphnia magna</i> . <i>Molecular Ecology</i> , 2019, 28, 4422-4438. | 3.9 | 12 |
| 11 | Molecular Evaluation of Impacted Reproductive Physiology in Fathead Minnow Testes Provides Mechanistic Insights into Insensitive Munitions Toxicology. <i>Aquatic Toxicology</i> , 2019, 213, 105204. | 4.0 | 3 |
| 12 | Transcriptomics provides mechanistic indicators of mixture toxicology for IMX-101 and IMX-104 formulations in fathead minnows (<i>Pimephales promelas</i>). <i>Aquatic Toxicology</i> , 2018, 199, 138-151. | 4.0 | 17 |
| 13 | Multiple environmental stressors induce complex transcriptomic responses indicative of phenotypic outcomes in Western fence lizard. <i>BMC Genomics</i> , 2018, 19, 877. | 2.8 | 8 |
| 14 | Comparative toxicogenomics of three insensitive munitions constituents 2,4-dinitroanisole, nitroguanidine and nitrotriazolone in the soil nematode <i>Caenorhabditis elegans</i> . <i>BMC Systems Biology</i> , 2018, 12, 92. | 3.0 | 7 |
| 15 | Subchronic, chronic, lethal and sublethal toxicity of insensitive munitions mixture formulations relative to individual constituents in <i>Hyalella azteca</i> . <i>Chemosphere</i> , 2018, 210, 795-804. | 8.2 | 15 |
| 16 | Aquatic toxicity of photo-degraded insensitive munition 101 (IMX-101) constituents. <i>Environmental Toxicology and Chemistry</i> , 2017, 36, 2050-2057. | 4.3 | 35 |
| 17 | The increased toxicity of UV-degraded nitroguanidine and IMX-101 to zebrafish larvae: Evidence implicating oxidative stress. <i>Aquatic Toxicology</i> , 2017, 190, 228-245. | 4.0 | 20 |
| 18 | Limitations of toxicity characterization in life cycle assessment: Can adverse outcome pathways provide a new foundation?. <i>Integrated Environmental Assessment and Management</i> , 2016, 12, 580-590. | 2.9 | 17 |

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|----|--|------|-----------|
| 19 | Daphnia magna's sense of competition: intra-specific interactions (ISI) alter life history strategies and increase metals toxicity. <i>Ecotoxicology</i> , 2016, 25, 1126-1135. | 2.4 | 10 |
| 20 | A weight of evidence assessment approach for adverse outcome pathways. <i>Regulatory Toxicology and Pharmacology</i> , 2016, 75, 46-57. | 2.7 | 41 |
| 21 | Relating suborganismal processes to ecotoxicological and population level endpoints using a bioenergetic model. <i>Ecological Applications</i> , 2015, 25, 1691-1710. | 3.8 | 20 |
| 22 | Bioaccumulation kinetics of the conventional energetics TNT and RDX relative to insensitive munitions constituents DNAN and NTO in <i>Rana pipiens</i> tadpoles. <i>Environmental Toxicology and Chemistry</i> , 2015, 34, 880-886. | 4.3 | 11 |
| 23 | Toxicity of the conventional energetics TNT and RDX relative to new insensitive munitions constituents DNAN and NTO in <i>Rana pipiens</i> tadpoles. <i>Environmental Toxicology and Chemistry</i> , 2015, 34, 873-879. | 4.3 | 34 |
| 24 | Systems toxicology identifies mechanistic impacts of 2-amino-4,6-dinitrotoluene (2A-DNT) exposure in Northern Bobwhite. <i>BMC Genomics</i> , 2015, 16, 587. | 2.8 | 9 |
| 25 | Validation of a Genomics-Based Hypothetical Adverse Outcome Pathway: 2,4-Dinitrotoluene Perturbs PPAR Signaling Thus Impairing Energy Metabolism and Exercise Endurance. <i>Toxicological Sciences</i> , 2014, 141, 44-58. | 3.1 | 22 |
| 26 | Coral-zooxanthellae meta-transcriptomics reveals integrated response to pollutant stress. <i>BMC Genomics</i> , 2014, 15, 591. | 2.8 | 27 |
| 27 | Interspecific effects of 4A-DNT (4-amino-2,6-dinitrotoluene) and RDX (1,3,5-trinitro-1,3,5-triazine) in Japanese quail, Northern bobwhite, and Zebra finch. <i>Ecotoxicology</i> , 2013, 22, 231-239. | 2.4 | 5 |
| 28 | Multiple environmental stressors elicit complex interactive effects in the western fence lizard (<i>Sceloporus occidentalis</i>). <i>Ecotoxicology</i> , 2012, 21, 2372-2390. | 2.4 | 17 |
| 29 | A Systems Toxicology Approach to Elucidate the Mechanisms Involved in RDX Species-Specific Sensitivity. <i>Environmental Science & Technology</i> , 2012, 46, 7790-7798. | 10.0 | 21 |
| 30 | CAPRG: Sequence Assembling Pipeline for Next Generation Sequencing of Non-Model Organisms. <i>PLoS ONE</i> , 2012, 7, e30370. | 2.5 | 4 |
| 31 | Effects of C ₆₀ on the <i>Salmonella typhimurium</i> TA100 transcriptome expression: Insights into C ₆₀ -mediated growth inhibition and mutagenicity. <i>Environmental Toxicology and Chemistry</i> , 2012, 31, 1438-1444. | 4.3 | 12 |
| 32 | Investigations of transcript expression in fathead minnow (<i>Pimephales promelas</i>) brain tissue reveal toxicological impacts of RDX exposure. <i>Aquatic Toxicology</i> , 2011, 101, 135-145. | 4.0 | 20 |
| 33 | Conserved toxic responses across divergent phylogenetic lineages: a meta-analysis of the neurotoxic effects of RDX among multiple species using toxicogenomics. <i>Ecotoxicology</i> , 2011, 20, 580-594. | 2.4 | 34 |
| 34 | Genomic investigation of year-long and multigenerational exposures of fathead minnow to the munitions compound RDX. <i>Environmental Toxicology and Chemistry</i> , 2011, 30, 1852-1864. | 4.3 | 11 |
| 35 | Quail Genomics: a knowledgebase for Northern bobwhite. <i>BMC Bioinformatics</i> , 2010, 11, S13. | 2.6 | 14 |
| 36 | From raw materials to validated system: the construction of a genomic library and microarray to interpret systemic perturbations in Northern bobwhite. <i>Physiological Genomics</i> , 2010, 42, 219-235. | 2.3 | 55 |

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|----|--|-----|-----------|
| 37 | Neurotoxicogenomic Investigations to Assess Mechanisms of Action of the Munitions Constituents RDX and 2,6-DNT in Northern Bobwhite (<i>Colinus virginianus</i>). <i>Toxicological Sciences</i> , 2009, 110, 168-180. | 3.1 | 34 |
| 38 | Toxicogenomic assessment of the population level impacts of contaminants. <i>Integrated Environmental Assessment and Management</i> , 2007, 3, 562-564. | 2.9 | 1 |
| 39 | Mixtures of metals and polynuclear aromatic hydrocarbons elicit complex, nonadditive toxicological interactions in meiobenthic copepods. <i>Environmental Toxicology and Chemistry</i> , 2007, 26, 1677-1685. | 4.3 | 43 |
| 40 | SUBACUTE TOXICITY OF ORAL 2,6-DINITROTOLUENE AND 1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX) EXPOSURE TO THE NORTHERN BOBWHITE (<i>COLINUS VIRGINIANUS</i>). <i>Environmental Toxicology and Chemistry</i> , 2007, 26, 1481. | 4.3 | 25 |
| 41 | EFFECTS OF SUBCHRONIC EXPOSURE TO 2,6-DINITROTOLUENE IN THE NORTHERN BOBWHITE (<i>COLINUS</i>) Tj ETQq1.1 0.784314 rgB | 4.3 | 13 |
| 42 | Exposure to Cadmium-Phenanthrene Mixtures Elicits Complex Toxic Responses in the Freshwater Tubificid Oligochaete, <i>Ilyodrilus templetoni</i> . <i>Archives of Environmental Contamination and Toxicology</i> , 2006, 51, 54-60. | 4.1 | 14 |