# Elaine M Faustman

List of Publications by Year
in descending order



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|---|---|---|---|
| 107 papers | 2,672 citations | 159585 30 h-index | 243625 44 g-index |
| 108 all docs | 108 docs citations | 108 times ranked | 3993 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Perfluorinated Carboxylic Acids with Increasing Carbon Chain Lengths Upregulate Amino Acid Transporters and Modulate Compensatory Response of Xenobiotic Transporters in HepaRG Cells. Drug Metabolism and Disposition, 2022, 50, 1396-1413. | 3.3 | 4 |
| 2 | Associations between extreme precipitation, drinking water, and protozoan acute gastrointestinal illnesses in four North American Great Lakes cities (2009â€“2014). Journal of Water and Health, 2022, 20, 849-862. | 2.6 | 2 |
| 3 | <scp>Singleâ€cell</scp> profiling for advancing birth defects research and prevention. Birth Defects Research, 2021, 113, 546-559. | 1.5 | 4 |
| 4 | FutureTox IV Workshop Summary: <i>Predictive Toxicology for Healthy Children</i>. Toxicological Sciences, 2021, 180, 198-211. | 3.1 | 15 |
| 5 | The effects of gene Ã— environment interactions on silver nanoparticle toxicity in the respiratory system: An adverse outcome pathway. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2021, 13, e1708. | 6.1 | 1 |
| 6 | The use of dried blood spots for characterizing children's exposure to organic environmental chemicals. Environmental Research, 2021, 195, 110796. | 7.5 | 14 |
| 7 | Health Measurement Modelâ€"Bringing a Life Course Perspective to Health Measurement: The PRISM Model. Frontiers in Pediatrics, 2021, 9, 605932. | 1.9 | 3 |
| 8 | Human Health Exposure Analysis Resource (HHEAR): A model for incorporating the exposome into health studies. International Journal of Hygiene and Environmental Health, 2021, 235, 113768. | 4.3 | 13 |
| 9 | The Effects of Genotype Ã— Phenotype Interactions on Transcriptional Response to Silver Nanoparticle Toxicity in Organotypic Cultures of Murine Tracheal Epithelial Cells. Toxicological Sciences, 2020, 173, 131-143. | 3.1 | 4 |
| 10 | A Case study on the utility of predictive toxicology tools in alternatives assessments for hazardous chemicals in childrenâ€™s consumer products. Journal of Exposure Science and Environmental Epidemiology, 2020, 30, 160-170. | 3.9 | 12 |
| 11 | Anchoring a dynamic in vitro model of human neuronal differentiation to key processes of early brain development in vivo. Reproductive Toxicology, 2020, 91, 116-130. | 2.9 | 2 |
| 12 | A critical review of the analysis of dried blood spots for characterizing human exposure to inorganic targets using methods based on analytical atomic spectrometry. Journal of Analytical Atomic Spectrometry, 2020, 35, 2092-2112. | 3.0 | 14 |
| 13 | Sex-specific accumulation of silver nanoparticles in rat kidneys is not ovarian hormone regulated but elimination limited. NanoImpact, 2020, 20, 100255. | 4.5 | 5 |
| 14 | The effects of genotypeâ€‰Ã—â€‰phenotype interactions on silver nanoparticle toxicity in organotypic cultures of murine tracheal epithelial cells. Nanotoxicology, 2020, 14, 908-928. | 3.0 | 1 |
| 15 | Mode of silver clearance following 28-day inhalation exposure to silver nanoparticles determined from lung burden assessment including post-exposure observation periods. Archives of Toxicology, 2020, 94, 773-784. | 4.2 | 23 |
| 16 | Characterizing the Neurodevelopmental Pesticide Exposome in a Childrenâ€™s Agricultural Cohort. International Journal of Environmental Research and Public Health, 2020, 17, 1479. | 2.6 | 13 |
| 17 | Potential frameworks to support evaluation of mechanistic data for developmental neurotoxicity outcomes: A symposium report. Neurotoxicology and Teratology, 2020, 78, 106865. | 2.4 | 9 |
| 18 | A Call to Include Indirect Effects of Marine Microplastics in Human Health Risk Assessments. Integrated Environmental Assessment and Management, 2019, 15, 819-820. | 2.9 | 0 |

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|---|---|---|---|
| 19 | The Effects of Gene Ã— Environment Interactions on Silver Nanoparticle Toxicity in the Respiratory System. Chemical Research in Toxicology, 2019, 32, 952-968. | 3.3 | 5 |
| 20 | Lobar evenness of deposition/retention in rat lungs of inhaled silver nanoparticles: an approach for reducing animal use while maximizing endpoints. Particle and Fibre Toxicology, 2019, 16, 2. | 6.2 | 12 |
| 21 | Longitudinal, Seasonal, and Occupational Trends of Multiple Pesticides in House Dust. Environmental Health Perspectives, 2019, 127, 17003. | 6.0 | 26 |
| 22 | Evaluation of the relationship between residential orchard density and dimethyl organophosphate pesticide residues in house dust. Journal of Exposure Science and Environmental Epidemiology, 2019, 29, 379-388. | 3.9 | 6 |
| 23 | Application of improved approach to evaluate a community intervention to reduce exposure of young children living in farmworker households to organophosphate pesticides. Journal of Exposure Science and Environmental Epidemiology, 2019, 29, 358-365. | 3.9 | 11 |
| 24 | Using primary organotypic mouse midbrain cultures to examine developmental neurotoxicity of silver nanoparticles across two genetic strains. Toxicology and Applied Pharmacology, 2018, 354, 215-224. | 2.8 | 14 |
| 25 | Tissue distribution of gold and silver after subacute intravenous injection of co-administered gold and silver nanoparticles of similar sizes. Archives of Toxicology, 2018, 92, 1393-1405. | 4.2 | 25 |
| 26 | Short-term inhalation study of graphene oxide nanoplates. Nanotoxicology, 2018, 12, 224-238. | 3.0 | 31 |
| 27 | In vitro to in vivo benchmark dose comparisons to inform risk assessment of quantum dot nanomaterials. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2018, 10, e1507. | 6.1 | 14 |
| 28 | Characterization of 3D embryonic C57BL/6 and A/J mouse midbrain micromass in vitro culture systems for developmental neurotoxicity testing. Toxicology in Vitro, 2018, 48, 33-44. | 2.4 | 5 |
| 29 | Characterization of organophosphate pesticides in urine and home environment dust in an agricultural community. Biomarkers, 2018, 23, 174-187. | 1.9 | 27 |
| 30 | Blood Biochemical and Hematological Study after Subacute Intravenous Injection of Gold and Silver Nanoparticles and Coadministered Gold and Silver Nanoparticles of Similar Sizes. BioMed Research International, 2018, 2018, 1-10. | 1.9 | 24 |
| 31 | Variability in metagenomic samples from the Puget Sound: Relationship to temporal and anthropogenic impacts. PLoS ONE, 2018, 13, e0192412. | 2.5 | 9 |
| 32 | FutureTox III: Bridges for Translation. Toxicological Sciences, 2017, 155, 22-31. | 3.1 | 22 |
| 33 | Neurobehavioral assessment of mice following repeated oral exposures to domoic acid during prenatal development. Neurotoxicology and Teratology, 2017, 64, 8-19. | 2.4 | 23 |
| 34 | Avoidable early life environmental exposures. Lancet Planetary Health, The, 2017, 1, e172-e173. | 11.4 | 10 |
| 35 | FARME DB: a functional antibiotic resistance element database. Database: the Journal of Biological Databases and Curation, 2017, 2017, baw165. | 3.0 | 40 |
| 36 | Human Oral Buccal Microbiomes Are Associated with Farmworker Status and Azinphos-Methyl Agricultural Pesticide Exposure. Applied and Environmental Microbiology, 2017, 83, . | 3.1 | 33 |

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|---|---|---|---|
| 37 | Seasonal and occupational trends of five organophosphate pesticides in house dust. Journal of Exposure Science and Environmental Epidemiology, 2017, 27, 372-378. | 3.9 | 33 |
| 38 | Developing the Regulatory Utility of the Exposome: Mapping Exposures for Risk Assessment through Lifestage Exposome Snapshots (LEnS). Environmental Health Perspectives, 2017, 125, 085003. | 6.0 | 21 |
| 39 | A Toxicological Framework for the Prioritization of Childrenâ€™s Safe Product Act Data. International Journal of Environmental Research and Public Health, 2016, 13, 431. | 2.6 | 14 |
| 40 | Exposure monitoring of graphene nanoplatelets manufacturing workplaces. Inhalation Toxicology, 2016, 28, 281-291. | 1.6 | 42 |
| 41 | The presence of macrophages and inflammatory responses in an in vitro testicular co-culture model of male reproductive development enhance relevance to in vivo conditions. Toxicology in Vitro, 2016, 36, 210-215. | 2.4 | 21 |
| 42 | Differential epigenetic effects of chlorpyrifos and arsenic in proliferating and differentiating human neural progenitor cells. Reproductive Toxicology, 2016, 65, 212-223. | 2.9 | 21 |
| 43 | Occupational exposure limit for silver nanoparticles: considerations on the derivation of a general health-based value. Nanotoxicology, 2016, 10, 945-956. | 3.0 | 56 |
| 44 | The role of diet in children's exposure to organophosphate pesticides. Environmental Research, 2016, 147, 133-140. | 7.5 | 33 |
| 45 | Urinary microRNAs as potential biomarkers of pesticide exposure. Toxicology and Applied Pharmacology, 2016, 312, 19-25. | 2.8 | 31 |
| 46 | Genome Sequencing of Autism-Affected Families Reveals Disruption of Putative Noncoding Regulatory DNA. American Journal of Human Genetics, 2016, 98, 58-74. | 6.2 | 248 |
| 47 | Phthalate metabolism and kinetics in an in vitro model of testis development. Toxicology in Vitro, 2016, 32, 123-131. | 2.4 | 11 |
| 48 | Susceptibility to quantum dot induced lung inflammation differs widely among the Collaborative Cross founder mouse strains. Toxicology and Applied Pharmacology, 2015, 289, 240-250. | 2.8 | 33 |
| 49 | Stage-specific signaling pathways during murine testis development and spermatogenesis: A pathway-based analysis to quantify developmental dynamics. Reproductive Toxicology, 2015, 51, 31-39. | 2.9 | 5 |
| 50 | Amphiphilic polymer-coated CdSe/ZnS quantum dots induce pro-inflammatory cytokine expression in mouse lung epithelial cells and macrophages. Nanotoxicology, 2015, 9, 336-343. | 3.0 | 31 |
| 51 | Seasonal variation in cortisol biomarkers in Hispanic mothers living in an agricultural region. Biomarkers, 2015, 20, 299-305. | 1.9 | 9 |
| 52 | Comparison of toxicogenomic responses to phthalate ester exposure in an organotypic testis co-culture model and responses observed in vivo. Reproductive Toxicology, 2015, 58, 149-159. | 2.9 | 13 |
| 53 | Variability in the take-home pathway: Farmworkers and non-farmworkers and their children. Journal of Exposure Science and Environmental Epidemiology, 2014, 24, 522-531. | 3.9 | 36 |
| 54 | Using a biokinetic model to quantify and optimize cortisol measurements for acute and chronic environmental stress exposure during pregnancy. Journal of Exposure Science and Environmental Epidemiology, 2014, 24, 510-516. | 3.9 | 4 |

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|---|---|---|---|
| 55 | Metagenomic Frameworks for Monitoring Antibiotic Resistance in Aquatic Environments. Environmental Health Perspectives, 2014, 122, 222-228. | 6.0 | 89 |
| 56 | Melphalan, alone or conjugated to an FSH-Î² peptide, kills murine testicular cells inÂvitro and transiently suppresses murine spermatogenesis inÂvivo. Theriogenology, 2014, 82, 152-159. | 2.1 | 9 |
| 57 | Preparation of Rodent Testis Coâ€Cultures. Current Protocols in Toxicology / Editorial Board, Mahin D Maines (editor-in-chief) [et Al ], 2013, 55, Unit 16.10. | 1.1 | 14 |
| 58 | In vitro testicular toxicity models: Opportunities for advancement via biomedical engineering techniques. ALTEX: Alternatives To Animal Experimentation, 2013, 30, 353-377. | 1.5 | 26 |
| 59 | Poster: Public health applications of metagenomic data using publicly available computing framework. , 2012, , . | | 0 |
| 60 | Metagenomic Profiling of Microbial Composition and Antibiotic Resistance Determinants in Puget Sound. PLoS ONE, 2012, 7, e48000. | 2.5 | 50 |
| 61 | Arsenic- and cadmium-induced toxicogenomic response in mouse embryos undergoing neurulation. Toxicology and Applied Pharmacology, 2011, 250, 117-129. | 2.8 | 45 |
| 62 | Comparison of MeHg-induced toxicogenomic responses across in vivo and in vitro models used in developmental toxicology. Reproductive Toxicology, 2011, 32, 180-188. | 2.9 | 35 |
| 63 | Cadmium Induced p53-Dependent Activation of Stress Signaling, Accumulation of Ubiquitinated Proteins, and Apoptosis in Mouse Embryonic Fibroblast Cells. Toxicological Sciences, 2011, 120, 403-412. | 3.1 | 32 |
| 64 | Metals Induced Disruption of Ubiquitin Proteasome System, Activation of Stress Signaling and Apoptosis. , 2011, , 291-311. | | 1 |
| 65 | An expert consortium review of the EC-commissioned report â€œAlternative (Non-Animal) Methods for Cosmetics Testing: Current Status and Future Prospects â€“ 2010â€• ALTEX: Alternatives To Animal Experimentation, 2011, 28, 183-209. | 1.5 | 37 |
| 66 | Experimental approaches to evaluate mechanisms of developmental toxicity. , 2011, , 10-44. | | 0 |
| 67 | Embryonic toxicokinetic and dynamic differences underlying strain sensitivity to cadmium during neurulation. Reproductive Toxicology, 2010, 29, 279-285. | 2.9 | 12 |
| 68 | Methylmercury induced toxicogenomic response in C57 and SWV mouse embryos undergoing neural tube closure. Reproductive Toxicology, 2010, 30, 284-291. | 2.9 | 30 |
| 69 | Integrating genetic and toxicogenomic information for determining underlying susceptibility to developmental disorders. Birth Defects Research Part A: Clinical and Molecular Teratology, 2010, 88, 920-930. | 1.6 | 10 |
| 70 | A systemsâ€based approach to investigate doseâ€•and timeâ€dependent methylmercuryâ€induced gene expression response in C57BL/6 mouse embryos undergoing neurulation. Birth Defects Research Part B: Developmental and Reproductive Toxicology, 2010, 89, 188-200. | 1.4 | 13 |
| 71 | A System-Based Comparison of Gene Expression Reveals Alterations in Oxidative Stress, Disruption of Ubiquitin-Proteasome System and Altered Cell Cycle Regulation after Exposure to Cadmium and Methylmercury in Mouse Embryonic Fibroblast. Toxicological Sciences, 2010, 114, 356-377. | 3.1 | 49 |
| 72 | Cadmium-Induced Differential Toxicogenomic Response in Resistant and Sensitive Mouse Strains Undergoing Neurulation. Toxicological Sciences, 2009, 107, 206-219. | 3.1 | 44 |

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|---|---|---|---|
| 73 | Improving in vitro Sertoli cell/gonocyte co-culture model for assessing male reproductive toxicity: Lessons learned from comparisons of cytotoxicity versus genomic responses to phthalates. Toxicology and Applied Pharmacology, 2009, 239, 325-336. | 2.8 | 41 |
| 74 | Re-evaluating blue mussel depuration rates in â€˜Dynamics of the phycotoxin domoic acid: accumulation and excretion in two commercially important bivalvesâ€™. Journal of Applied Phycology, 2009, 21, 745-746. | 2.8 | 10 |
| 75 | Organophosphate Pesticide Exposure Among Pome and Non-Pome Farmworkers: A Subgroup Analysis of a Community Randomized Trial. Journal of Occupational and Environmental Medicine, 2009, 51, 500-509. | 1.7 | 5 |
| 76 | Computational models of ethanolâ€induced neurodevelopmental toxicity across species: Implications for risk assessment. Birth Defects Research Part B: Developmental and Reproductive Toxicology, 2008, 83, 1-11. | 1.4 | 31 |
| 77 | Gene expression profiling analysis reveals arsenic-induced cell cycle arrest and apoptosis in p53-proficient and p53-deficient cells through differential gene pathways. Toxicology and Applied Pharmacology, 2008, 233, 389-403. | 2.8 | 28 |
| 78 | Linking the oceans to public health: current efforts and future directions. Environmental Health, 2008, 7, S6. | 4.0 | 35 |
| 79 | Cadmium-induced Activation of Stress Signaling Pathways, Disruption of Ubiquitin-dependent Protein Degradation and Apoptosis in Primary Rat Sertoli Cell-Gonocyte Cocultures. Toxicological Sciences, 2008, 104, 385-396. | 3.1 | 77 |
| 80 | <i>Para NiÃ±os Saludables</i> : A Community Intervention Trial to Reduce Organophosphate Pesticide Exposure in Children of Farmworkers. Environmental Health Perspectives, 2008, 116, 687-694. | 6.0 | 43 |
| 81 | A systems-based computational model of alcohol's toxic effects on brain development. Alcohol Research, 2008, 31, 76-83. | 1.0 | 4 |
| 82 | Computational Models of Neocortical Neuronogenesis and Programmed Cell Death in the Developing Mouse, Monkey, and Human. Cerebral Cortex, 2007, 17, 2433-2442. | 2.9 | 48 |
| 83 | Risk Assessment and the Impact of Ecogenetics. , 2006, , 427-450. | | 1 |
| 84 | Organophosphate Pesticide Exposure and Work in Pome Fruit: Evidence forthe Take-Home Pesticide Pathway. Environmental Health Perspectives, 2006, 114, 999-1006. | 6.0 | 64 |
| 85 | Cell Cycle Inhibition by Sodium Arsenite in Primary Embryonic Rat Midbrain Neuroepithelial Cells. Toxicological Sciences, 2006, 89, 475-484. | 3.1 | 36 |
| 86 | A System-Based Approach to Interpret Dose- and Time-Dependent Microarray Data: Quantitative Integration of Gene Ontology Analysis for Risk Assessment. Toxicological Sciences, 2006, 92, 560-577. | 3.1 | 50 |
| 87 | The magnitude of methylmercury-induced cytotoxicity and cell cycle arrest is p53-dependent. Birth Defects Research Part A: Clinical and Molecular Teratology, 2005, 73, 29-38. | 1.6 | 28 |
| 88 | Essential Role of Extracellular Matrix (ECM) Overlay in Establishing the Functional Integrity of Primary Neonatal Rat Sertoli Cell/Gonocyte Co-cultures: An Improved In Vitro Model for Assessment of Male Reproductive Toxicity. Toxicological Sciences, 2005, 84, 378-393. | 3.1 | 51 |
| 89 | Modeling developmental processes in animals: applications in neurodevelopmental toxicology. Environmental Toxicology and Pharmacology, 2005, 19, 615-624. | 4.0 | 8 |
| 90 | A framework for assessing risks to children from exposure to environmental agents.. Environmental Health Perspectives, 2004, 112, 238-256. | 6.0 | 93 |

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|---|---|---|---|
| 91 | The role of cell death during neocortical neurogenesis and synaptogenesis: implications from a computational model for the rat and mouse. Developmental Brain Research, 2004, 151, 43-54. | 1.7 | 31 |
| 92 | Contribution of PCB exposure from fish consumption to total dioxin-like dietary exposure. Regulatory Toxicology and Pharmacology, 2004, 40, 125-135. | 2.7 | 34 |
| 93 | Changes in cell cycle parameters and cell number in the rat midbrain during organogenesis. Developmental Brain Research, 2003, 141, 117-128. | 1.7 | 10 |
| 94 | A Model for Optimization of Biomarker Testing Frequency to Minimize Disease and Cost: Example of Beryllium Sensitization Testing. Risk Analysis, 2003, 23, 1211-1220. | 2.7 | 5 |
| 95 | Challenges in Defining Background Levels for Human and Ecological Risk Assessments. Human and Ecological Risk Assessment (HERA), 2003, 9, 1623-1632. | 3.4 | 2 |
| 96 | Investigations of methylmercury-induced alterations in neurogenesis.. Environmental Health Perspectives, 2002, 110, 859-864. | 6.0 | 59 |
| 97 | Choosing remediation and waste management options at hazardous and radioactive waste sites. , 2002, 13, 39-58. | | 10 |
| 98 | p21WAF1/CIP1 Inhibits Cell Cycle Progression but Not G2/M-Phase Transition Following Methylmercury Exposure. Toxicology and Applied Pharmacology, 2002, 178, 117-125. | 2.8 | 17 |
| 99 | Simultaneous analysis of surface marker expression and cell cycle progression in human peripheral blood mononuclear cells. Journal of Immunological Methods, 2001, 256, 35-46. | 1.4 | 20 |
| 100 | Risk Estimation and Value-of-Information Analysis for Three Proposed Genetic Screening Programs for Chronic Beryllium Disease Prevention. Risk Analysis, 2000, 20, 87-100. | 2.7 | 28 |
| 101 | Induction of the Cell Cycle Regulatory Gene p21 (Waf1, Cip1) Following Methylmercury Exposure in Vitro and in Vivo. Toxicology and Applied Pharmacology, 1999, 157, 203-212. | 2.8 | 38 |
| 102 | Comments on "An Approach for Modeling Noncancer Dose Responses with an Emphasis on Uncertainty" and "A Probabilistic Framework for the Reference Dose (Probabilistic RfD)". Risk Analysis, 1998, 18, 663-664. | 2.7 | 2 |
| 103 | Review of noncancer risk assessment: Applications of benchmark dose methods. Human and Ecological Risk Assessment (HERA), 1997, 3, 893-920. | 3.4 | 28 |
| 104 | Induction of Growth Arrest and DNA Damage-Inducible Genes Gadd45 and Gadd153 in Primary Rodent Embryonic Cells Following Exposure to Methylmercury. Toxicology and Applied Pharmacology, 1997, 147, 31-38. | 2.8 | 31 |
| 105 | A Biologically-Based Dose-Response Model for Developmental Toxicology. Risk Analysis, 1996, 16, 449-458. | 2.7 | 48 |
| 106 | The application of benchmark dose methodology to data from prenatal developmental toxicity studies. Toxicology Letters, 1995, 82-83, 549-554. | 0.8 | 17 |
| 107 | Water Security: Integrating Lessons Learned for Water Quality, Quantity and Sustainability. , 0, , 121-130. | | 0 |