Elaine M Faustman

List of Publications by Year in Descending Order

104 papers	2,042 citations	26 h-index	39 g-index
108 ext. papers	2,376 ext. citations	4.8 avg, IF	4.59 L-index

#	Paper	IF	Citations
104	The effects of gene–environment interactions on silver nanoparticle toxicity in the respiratory system: An adverse outcome pathway. *Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology*, **2021**, 13, e1708	9.2	1
103	The use of dried blood spots for characterizing children's exposure to organic environmental chemicals. *Environmental Research*, **2021**, 195, 110796	7.9	1
102	Health Measurement Model-Bringing a Life Course Perspective to Health Measurement: The PRISM Model. *Frontiers in Pediatrics*, **2021**, 9, 605932	3.4	1
101	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	6.9	1
100	Single-cell profiling for advancing birth defects research and prevention. *Birth Defects Research*, **2021**, 113, 546-559	2.9	2
99	FutureTox IV Workshop Summary: Predictive Toxicology for Healthy Children. *Toxicological Sciences* , **2021**, 180, 198-211	4.4	4
98	Sex-specific accumulation of silver nanoparticles in rat kidneys is not ovarian hormone regulated but elimination limited. *NanoImpact*, **2020**, 20, 100255	5.6	4
97	The effects of genotype–phenotype interactions on silver nanoparticle toxicity in organotypic cultures of murine tracheal epithelial cells. *Nanotoxicology*, **2020**, 14, 908-928	5.3	1
96	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	5.8	12
95	Characterizing the Neurodevelopmental Pesticide Exposome in a Children's Agricultural Cohort. *International Journal of Environmental Research and Public Health*, **2020**, 17,	4.6	9
94	Potential frameworks to support evaluation of mechanistic data for developmental neurotoxicity outcomes: A symposium report. *Neurotoxicology and Teratology*, **2020**, 78, 106865	3.9	5
93	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	3.4	0
92	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	3.7	7
91	The Effects of Genotype–Phenotype Interactions on Transcriptional Response to Silver Nanoparticle Toxicity in Organotypic Cultures of Murine Tracheal Epithelial Cells. *Toxicological Sciences*, **2020**, 173, 131-143	4.4	3
90	A Case study on the utility of predictive toxicology tools in alternatives assessments for hazardous chemicals in children's consumer products. *Journal of Exposure Science and Environmental Epidemiology*, **2020**, 30, 160-170	6.7	6
89	The Effects of Gene–Environment Interactions on Silver Nanoparticle Toxicity in the Respiratory System. *Chemical Research in Toxicology*, **2019**, 32, 952-968	4	3
88	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	8.4	7

87	A Call to Include Indirect Effects of Marine Microplastics in Human Health Risk Assessments. *Integrated Environmental Assessment and Management*, **2019**, 15, 819-820	2.5	
86	Longitudinal, Seasonal, and Occupational Trends of Multiple Pesticides in House Dust. *Environmental Health Perspectives*, **2019**, 127, 17003	8.4	14
85	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	6.7	5
84	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	6.7	8
83	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	4.6	11
82	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	5.8	14
81	Short-term inhalation study of graphene oxide nanoplates. *Nanotoxicology*, **2018**, 12, 224-238	5.3	22
80	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	9.2	9
79	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	3.6	4
78	Characterization of organophosphate pesticides in urine and home environment dust in an agricultural community. *Biomarkers*, **2018**, 23, 174-187	2.6	16
77	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, 8460910	3	10
76	Variability in metagenomic samples from the Puget Sound: Relationship to temporal and anthropogenic impacts. *PLoS ONE*, **2018**, 13, e0192412	3.7	7
75	FutureTox III: Bridges for Translation. *Toxicological Sciences*, **2017**, 155, 22-31	4.4	17
74	Developing the Regulatory Utility of the Exposome: Mapping Exposures for Risk Assessment through Lifestage Exposome Snapshots (LEnS). *Environmental Health Perspectives*, **2017**, 125, 085003	8.4	13
73	Neurobehavioral assessment of mice following repeated oral exposures to domoic acid during prenatal development. *Neurotoxicology and Teratology*, **2017**, 64, 8-19	3.9	17
72	Avoidable early life environmental exposures. *Lancet Planetary Health, The*, **2017**, 1, e172-e173	9.8	5
71	FARME DB: a functional antibiotic resistance element database. *Database: the Journal of Biological Databases and Curation*, **2017**, 2017,	5	26
70	Human Oral Buccal Microbiomes Are Associated with Farmworker Status and Azinphos-Methyl Agricultural Pesticide Exposure. *Applied and Environmental Microbiology*, **2017**, 83,	4.8	16

69	Seasonal and occupational trends of five organophosphate pesticides in house dust. *Journal of Exposure Science and Environmental Epidemiology*, **2017**, 27, 372-378	6.7	25
68	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	3.6	14
67	Differential epigenetic effects of chlorpyrifos and arsenic in proliferating and differentiating human neural progenitor cells. *Reproductive Toxicology*, **2016**, 65, 212-223	3.4	19
66	Occupational exposure limit for silver nanoparticles: considerations on the derivation of a general health-based value. *Nanotoxicology*, **2016**, 10, 945-56	5.3	34
65	The role of diet in children's exposure to organophosphate pesticides. *Environmental Research*, **2016**, 147, 133-40	7.9	17
64	Urinary microRNAs as potential biomarkers of pesticide exposure. *Toxicology and Applied Pharmacology*, **2016**, 312, 19-25	4.6	23
63	Genome Sequencing of Autism-Affected Families Reveals Disruption of Putative Noncoding Regulatory DNA. *American Journal of Human Genetics*, **2016**, 98, 58-74	11	189
62	Phthalate metabolism and kinetics in an in vitro model of testis development. *Toxicology in Vitro*, **2016**, 32, 123-31	3.6	8
61	A Toxicological Framework for the Prioritization of Children's Safe Product Act Data. *International Journal of Environmental Research and Public Health*, **2016**, 13, 431	4.6	11
60	Exposure monitoring of graphene nanoplatelets manufacturing workplaces. *Inhalation Toxicology*, **2016**, 28, 281-91	2.7	28
59	Amphiphilic polymer-coated CdSe/ZnS quantum dots induce pro-inflammatory cytokine expression in mouse lung epithelial cells and macrophages. *Nanotoxicology*, **2015**, 9, 336-43	5.3	26
58	Seasonal variation in cortisol biomarkers in Hispanic mothers living in an agricultural region. *Biomarkers*, **2015**, 20, 299-305	2.6	7
57	Comparison of toxicogenomic responses to phthalate ester exposure in an organotypic testis co-culture model and responses observed in vivo. *Reproductive Toxicology*, **2015**, 58, 149-59	3.4	9
56	Susceptibility to quantum dot induced lung inflammation differs widely among the Collaborative Cross founder mouse strains. *Toxicology and Applied Pharmacology*, **2015**, 289, 240-50	4.6	28
55	Stage-specific signaling pathways during murine testis development and spermatogenesis: A pathway-based analysis to quantify developmental dynamics. *Reproductive Toxicology*, **2015**, 51, 31-9	3.4	4
54	Melphalan, alone or conjugated to an FSH-β peptide, kills murine testicular cells in vitro and transiently suppresses murine spermatogenesis in vivo. *Theriogenology*, **2014**, 82, 152-9	2.8	4
53	Variability in the take-home pathway: farmworkers and non-farmworkers and their children. *Journal of Exposure Science and Environmental Epidemiology*, **2014**, 24, 522-31	6.7	28
52	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, 510-6	6.7	4

51	Metagenomic frameworks for monitoring antibiotic resistance in aquatic environments. *Environmental Health Perspectives*, **2014**, 122, 222-8	8.4	59
50	Preparation of rodent testis co-cultures. *Current Protocols in Toxicology / Editorial Board, Mahin D Maines (editor-in-chief) [et Al]*, **2013**, Chapter 16, Unit 16.10	1	10
49	In vitro testicular toxicity models: opportunities for advancement via biomedical engineering techniques. *ALTEX: Alternatives To Animal Experimentation*, **2013**, 30, 353-77	4.3	18
48	Metagenomic profiling of microbial composition and antibiotic resistance determinants in Puget Sound. *PLoS ONE*, **2012**, 7, e48000	3.7	43
47	Arsenic- and cadmium-induced toxicogenomic response in mouse embryos undergoing neurulation. *Toxicology and Applied Pharmacology*, **2011**, 250, 117-29	4.6	40
46	Comparison of MeHg-induced toxicogenomic responses across in vivo and in vitro models used in developmental toxicology. *Reproductive Toxicology*, **2011**, 32, 180-8	3.4	32
45	Cadmium induced p53-dependent activation of stress signaling, accumulation of ubiquitinated proteins, and apoptosis in mouse embryonic fibroblast cells. *Toxicological Sciences*, **2011**, 120, 403-12	4.4	25
44	An expert consortium review of the EC-commissioned report "alternative (Non-Animal) methods for cosmetics testing: current status and future prospects - 2010". *ALTEX: Alternatives To Animal Experimentation*, **2011**, 28, 183-209	4.3	30
43	Metals Induced Disruption of Ubiquitin Proteasome System, Activation of Stress Signaling and Apoptosis **2011**, 291-311		1
42	Experimental approaches to evaluate mechanisms of developmental toxicity **2011**, 10-44		
41	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, 356-77	4.4	46
40	Embryonic toxicokinetic and dynamic differences underlying strain sensitivity to cadmium during neurulation. *Reproductive Toxicology*, **2010**, 29, 279-85	3.4	10
39	Methylmercury induced toxicogenomic response in C57 and SWV mouse embryos undergoing neural tube closure. *Reproductive Toxicology*, **2010**, 30, 284-91	3.4	25
38	Integrating genetic and toxicogenomic information for determining underlying susceptibility to developmental disorders. *Birth Defects Research Part A: Clinical and Molecular Teratology*, **2010**, 88, 920-30		8
37	A systems-based approach to investigate dose- and time-dependent methylmercury-induced gene expression response in C57BL/6 mouse embryos undergoing neurulation. *Birth Defects Research Part B: Developmental and Reproductive Toxicology*, **2010**, 89, 188-200		10
36	Cadmium-induced differential toxicogenomic response in resistant and sensitive mouse strains undergoing neurulation. *Toxicological Sciences*, **2009**, 107, 206-19	4.4	42
35	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, 325-36	4.6	34
34	Re-evaluating blue mussel depuration rates in Dynamics of the phycotoxin domoic acid: accumulation and excretion in two commercially important bivalves *Journal of Applied Phycology*, **2009**, 21, 745-746	3.2	8

33	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, 500-9	2	4
32	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	4.6	23
31	Linking the oceans to public health: current efforts and future directions. *Environmental Health*, **2008**, 7 Suppl 2, S6	6	25
30	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, 385-96	4.4	64
29	Para niños saludables: a community intervention trial to reduce organophosphate pesticide exposure in children of farmworkers. *Environmental Health Perspectives*, **2008**, 116, 687-94	8.4	38
28	Computational models of ethanol-induced neurodevelopmental toxicity across species: Implications for risk assessment. *Birth Defects Research Part B: Developmental and Reproductive Toxicology*, **2008**, 83, 1-11		27
27	A systems-based computational model of alcohol's toxic effects on brain development. *Alcohol Research*, **2008**, 31, 76-83		3
26	Computational models of neocortical neuronogenesis and programmed cell death in the developing mouse, monkey, and human. *Cerebral Cortex*, **2007**, 17, 2433-42	5.1	45
25	Organophosphate pesticide exposure and work in pome fruit: evidence for the take-home pesticide pathway. *Environmental Health Perspectives*, **2006**, 114, 999-1006	8.4	54
24	Cell cycle inhibition by sodium arsenite in primary embryonic rat midbrain neuroepithelial cells. *Toxicological Sciences*, **2006**, 89, 475-84	4.4	32
23	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, 560-77	4.4	41
22	Risk Assessment and the Impact of Ecogenetics **2006**, 427-450		1
21	Modeling developmental processes in animals: applications in neurodevelopmental toxicology. *Environmental Toxicology and Pharmacology*, **2005**, 19, 615-24	5.8	6
20	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		25
19	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, 378-93	4.4	43
18	A framework for assessing risks to children from exposure to environmental agents. *Environmental Health Perspectives*, **2004**, 112, 238-56	8.4	82
17	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		26
16	Contribution of PCB exposure from fish consumption to total dioxin-like dietary exposure. *Regulatory Toxicology and Pharmacology*, **2004**, 40, 125-35	3.4	25

15	Changes in cell cycle parameters and cell number in the rat midbrain during organogenesis. *Developmental Brain Research*, **2003**, 141, 117-28		8
14	A model for optimization of biomarker testing frequency to minimize disease and cost: example of beryllium sensitization testing. *Risk Analysis*, **2003**, 23, 1211-20	3.9	5
13	Challenges in Defining Background Levels for Human and Ecological Risk Assessments. *Human and Ecological Risk Assessment (HERA)*, **2003**, 9, 1623-1632	4.9	2
12	Investigations of methylmercury-induced alterations in neurogenesis. *Environmental Health Perspectives*, **2002**, 110 Suppl 5, 859-64	8.4	52
11	Choosing remediation and waste management options at hazardous and radioactive waste sites **2002**, 13, 39-58		8
10	p21(WAF1/CIP1) inhibits cell cycle progression but not G2/M-phase transition following methylmercury exposure. *Toxicology and Applied Pharmacology*, **2002**, 178, 117-25	4.6	16
9	Simultaneous analysis of surface marker expression and cell cycle progression in human peripheral blood mononuclear cells. *Journal of Immunological Methods*, **2001**, 256, 35-46	2.5	18
8	Risk estimation and value-of-information analysis for three proposed genetic screening programs for chronic beryllium disease prevention. *Risk Analysis*, **2000**, 20, 87-99	3.9	23
7	Induction of the cell cycle regulatory gene p21 (Waf1, Cip1) following methylmercury exposure in vitro and in vivo. *Toxicology and Applied Pharmacology*, **1999**, 157, 203-12	4.6	37
6	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	3.9	1
5	Review of noncancer risk assessment: Applications of benchmark dose methods. *Human and Ecological Risk Assessment (HERA)*, **1997**, 3, 893-920	4.9	23
4	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, 31-8	4.6	29
3	A biologically-based dose-response model for developmental toxicology. *Risk Analysis*, **1996**, 16, 449-58	3.9	38
2	The application of benchmark dose methodology to data from prenatal developmental toxicity studies. *Toxicology Letters*, **1995**, 82-83, 549-54	4.4	15
1	Water Security: Integrating Lessons Learned for Water Quality, Quantity and Sustainability121-130		