

Elaine M Faustman

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Genome Sequencing of Autism-Affected Families Reveals Disruption of Putative Noncoding Regulatory DNA. <i>American Journal of Human Genetics</i> , 2016 , 98, 58-74	11	189
103	A framework for assessing risks to children from exposure to environmental agents. <i>Environmental Health Perspectives</i> , 2004 , 112, 238-56	8.4	82
102	Cadmium-induced activation of stress signaling pathways, disruption of ubiquitin-dependent protein degradation and apoptosis in primary rat Sertoli cell-gonocyte cocultures. <i>Toxicological Sciences</i> , 2008 , 104, 385-96	4.4	64
101	Metagenomic frameworks for monitoring antibiotic resistance in aquatic environments. <i>Environmental Health Perspectives</i> , 2014 , 122, 222-8	8.4	59
100	Organophosphate pesticide exposure and work in pome fruit: evidence for the take-home pesticide pathway. <i>Environmental Health Perspectives</i> , 2006 , 114, 999-1006	8.4	54
99	Investigations of methylmercury-induced alterations in neurogenesis. <i>Environmental Health Perspectives</i> , 2002 , 110 Suppl 5, 859-64	8.4	52
98	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. <i>Toxicological Sciences</i> , 2010 , 114, 356-77	4.4	46
97	Computational models of neocortical neuronogenesis and programmed cell death in the developing mouse, monkey, and human. <i>Cerebral Cortex</i> , 2007 , 17, 2433-42	5.1	45
96	Metagenomic profiling of microbial composition and antibiotic resistance determinants in Puget Sound. <i>PLoS ONE</i> , 2012 , 7, e48000	3.7	43
95	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. <i>Toxicological Sciences</i> , 2005 , 84, 378-93	4.4	43
94	Cadmium-induced differential toxicogenomic response in resistant and sensitive mouse strains undergoing neurulation. <i>Toxicological Sciences</i> , 2009 , 107, 206-19	4.4	42
93	A system-based approach to interpret dose- and time-dependent microarray data: quantitative integration of gene ontology analysis for risk assessment. <i>Toxicological Sciences</i> , 2006 , 92, 560-77	4.4	41
92	Arsenic- and cadmium-induced toxicogenomic response in mouse embryos undergoing neurulation. <i>Toxicology and Applied Pharmacology</i> , 2011 , 250, 117-29	4.6	40
91	Para niños saludables: a community intervention trial to reduce organophosphate pesticide exposure in children of farmworkers. <i>Environmental Health Perspectives</i> , 2008 , 116, 687-94	8.4	38
90	A biologically-based dose-response model for developmental toxicology. <i>Risk Analysis</i> , 1996 , 16, 449-58	3.9	38
89	Induction of the cell cycle regulatory gene p21 (Waf1, Cip1) following methylmercury exposure in vitro and in vivo. <i>Toxicology and Applied Pharmacology</i> , 1999 , 157, 203-12	4.6	37
88	Occupational exposure limit for silver nanoparticles: considerations on the derivation of a general health-based value. <i>Nanotoxicology</i> , 2016 , 10, 945-56	5.3	34

87	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. <i>Toxicology and Applied Pharmacology</i> , 2009 , 239, 325-36	4.6	34
86	Comparison of MeHg-induced toxicogenomic responses across in vivo and in vitro models used in developmental toxicology. <i>Reproductive Toxicology</i> , 2011 , 32, 180-8	3.4	32
85	Cell cycle inhibition by sodium arsenite in primary embryonic rat midbrain neuroepithelial cells. <i>Toxicological Sciences</i> , 2006 , 89, 475-84	4.4	32
84	An expert consortium review of the EC-commissioned report "alternative (Non-Animal) methods for cosmetics testing: current status and future prospects - 2010". <i>ALTEX: Alternatives To Animal Experimentation</i> , 2011 , 28, 183-209	4.3	30
83	Induction of growth arrest and DNA damage-inducible genes Gadd45 and Gadd153 in primary rodent embryonic cells following exposure to methylmercury. <i>Toxicology and Applied Pharmacology</i> , 1997 , 147, 31-8	4.6	29
82	Susceptibility to quantum dot induced lung inflammation differs widely among the Collaborative Cross founder mouse strains. <i>Toxicology and Applied Pharmacology</i> , 2015 , 289, 240-50	4.6	28
81	Variability in the take-home pathway: farmworkers and non-farmworkers and their children. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2014 , 24, 522-31	6.7	28
80	Exposure monitoring of graphene nanoplatelets manufacturing workplaces. <i>Inhalation Toxicology</i> , 2016 , 28, 281-91	2.7	28
79	Computational models of ethanol-induced neurodevelopmental toxicity across species: Implications for risk assessment. <i>Birth Defects Research Part B: Developmental and Reproductive Toxicology</i> , 2008 , 83, 1-11		27
78	Amphiphilic polymer-coated CdSe/ZnS quantum dots induce pro-inflammatory cytokine expression in mouse lung epithelial cells and macrophages. <i>Nanotoxicology</i> , 2015 , 9, 336-43	5.3	26
77	FARME DB: a functional antibiotic resistance element database. <i>Database: the Journal of Biological Databases and Curation</i> , 2017 , 2017,	5	26
76	The role of cell death during neocortical neurogenesis and synaptogenesis: implications from a computational model for the rat and mouse. <i>Developmental Brain Research</i> , 2004 , 151, 43-54		26
75	Seasonal and occupational trends of five organophosphate pesticides in house dust. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2017 , 27, 372-378	6.7	25
74	Cadmium induced p53-dependent activation of stress signaling, accumulation of ubiquitinated proteins, and apoptosis in mouse embryonic fibroblast cells. <i>Toxicological Sciences</i> , 2011 , 120, 403-12	4.4	25
73	Methylmercury induced toxicogenomic response in C57 and SWV mouse embryos undergoing neural tube closure. <i>Reproductive Toxicology</i> , 2010 , 30, 284-91	3.4	25
72	Linking the oceans to public health: current efforts and future directions. <i>Environmental Health</i> , 2008 , 7 Suppl 2, S6	6	25
71	Contribution of PCB exposure from fish consumption to total dioxin-like dietary exposure. <i>Regulatory Toxicology and Pharmacology</i> , 2004 , 40, 125-35	3.4	25
70	The magnitude of methylmercury-induced cytotoxicity and cell cycle arrest is p53-dependent. <i>Birth Defects Research Part A: Clinical and Molecular Teratology</i> , 2005 , 73, 29-38		25

69	Urinary microRNAs as potential biomarkers of pesticide exposure. <i>Toxicology and Applied Pharmacology</i> , 2016 , 312, 19-25	4.6	23
68	Review of noncancer risk assessment: Applications of benchmark dose methods. <i>Human and Ecological Risk Assessment (HERA)</i> , 1997 , 3, 893-920	4.9	23
67	Gene expression profiling analysis reveals arsenic-induced cell cycle arrest and apoptosis in p53-proficient and p53-deficient cells through differential gene pathways. <i>Toxicology and Applied Pharmacology</i> , 2008 , 233, 389-403	4.6	23
66	Risk estimation and value-of-information analysis for three proposed genetic screening programs for chronic beryllium disease prevention. <i>Risk Analysis</i> , 2000 , 20, 87-99	3.9	23
65	Short-term inhalation study of graphene oxide nanoplates. <i>Nanotoxicology</i> , 2018 , 12, 224-238	5.3	22
64	Differential epigenetic effects of chlorpyrifos and arsenic in proliferating and differentiating human neural progenitor cells. <i>Reproductive Toxicology</i> , 2016 , 65, 212-223	3.4	19
63	Simultaneous analysis of surface marker expression and cell cycle progression in human peripheral blood mononuclear cells. <i>Journal of Immunological Methods</i> , 2001 , 256, 35-46	2.5	18
62	In vitro testicular toxicity models: opportunities for advancement via biomedical engineering techniques. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2013 , 30, 353-77	4.3	18
61	FutureTox III: Bridges for Translation. <i>Toxicological Sciences</i> , 2017 , 155, 22-31	4.4	17
60	The role of diet in children's exposure to organophosphate pesticides. <i>Environmental Research</i> , 2016 , 147, 133-40	7.9	17
59	Neurobehavioral assessment of mice following repeated oral exposures to domoic acid during prenatal development. <i>Neurotoxicology and Teratology</i> , 2017 , 64, 8-19	3.9	17
58	Characterization of organophosphate pesticides in urine and home environment dust in an agricultural community. <i>Biomarkers</i> , 2018 , 23, 174-187	2.6	16
57	Human Oral Buccal Microbiomes Are Associated with Farmworker Status and Azinphos-Methyl Agricultural Pesticide Exposure. <i>Applied and Environmental Microbiology</i> , 2017 , 83,	4.8	16
56	p21(WAF1/CIP1) inhibits cell cycle progression but not G2/M-phase transition following methylmercury exposure. <i>Toxicology and Applied Pharmacology</i> , 2002 , 178, 117-25	4.6	16
55	The application of benchmark dose methodology to data from prenatal developmental toxicity studies. <i>Toxicology Letters</i> , 1995 , 82-83, 549-54	4.4	15
54	Tissue distribution of gold and silver after subacute intravenous injection of co-administered gold and silver nanoparticles of similar sizes. <i>Archives of Toxicology</i> , 2018 , 92, 1393-1405	5.8	14
53	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. <i>Toxicology in Vitro</i> , 2016 , 36, 210-215	3.6	14
52	Longitudinal, Seasonal, and Occupational Trends of Multiple Pesticides in House Dust. <i>Environmental Health Perspectives</i> , 2019 , 127, 17003	8.4	14

51	Developing the Regulatory Utility of the Exposome: Mapping Exposures for Risk Assessment through Lifestage Exposome Snapshots (LEnS). <i>Environmental Health Perspectives</i> , 2017 , 125, 085003	8.4	13
50	Mode of silver clearance following 28-day inhalation exposure to silver nanoparticles determined from lung burden assessment including post-exposure observation periods. <i>Archives of Toxicology</i> , 2020 , 94, 773-784	5.8	12
49	Using primary organotypic mouse midbrain cultures to examine developmental neurotoxicity of silver nanoparticles across two genetic strains. <i>Toxicology and Applied Pharmacology</i> , 2018 , 354, 215-224	4.6	11
48	A Toxicological Framework for the Prioritization of Children's Safe Product Act Data. <i>International Journal of Environmental Research and Public Health</i> , 2016 , 13, 431	4.6	11
47	Blood Biochemical and Hematological Study after Subacute Intravenous Injection of Gold and Silver Nanoparticles and Coadministered Gold and Silver Nanoparticles of Similar Sizes. <i>BioMed Research International</i> , 2018 , 2018, 8460910	3	10
46	Preparation of rodent testis co-cultures. <i>Current Protocols in Toxicology / Editorial Board, Mahin D Maines (editor-in-chief) [et Al]</i> , 2013 , Chapter 16, Unit 16.10	1	10
45	Embryonic toxicokinetic and dynamic differences underlying strain sensitivity to cadmium during neurulation. <i>Reproductive Toxicology</i> , 2010 , 29, 279-85	3.4	10
44	A systems-based approach to investigate dose- and time-dependent methylmercury-induced gene expression response in C57BL/6 mouse embryos undergoing neurulation. <i>Birth Defects Research Part B: Developmental and Reproductive Toxicology</i> , 2010 , 89, 188-200		10
43	Comparison of toxicogenomic responses to phthalate ester exposure in an organotypic testis co-culture model and responses observed in vivo. <i>Reproductive Toxicology</i> , 2015 , 58, 149-59	3.4	9
42	Characterizing the Neurodevelopmental Pesticide Exposome in a Children's Agricultural Cohort. <i>International Journal of Environmental Research and Public Health</i> , 2020 , 17,	4.6	9
41	In vitro to in vivo benchmark dose comparisons to inform risk assessment of quantum dot nanomaterials. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2018 , 10, e1507	9.2	9
40	Phthalate metabolism and kinetics in an in vitro model of testis development. <i>Toxicology in Vitro</i> , 2016 , 32, 123-31	3.6	8
39	Re-evaluating blue mussel depuration rates in Dynamics of the phycotoxin domoic acid: accumulation and excretion in two commercially important bivalves. <i>Journal of Applied Phycology</i> , 2009 , 21, 745-746	3.2	8
38	Integrating genetic and toxicogenomic information for determining underlying susceptibility to developmental disorders. <i>Birth Defects Research Part A: Clinical and Molecular Teratology</i> , 2010 , 88, 920-30		8
37	Choosing remediation and waste management options at hazardous and radioactive waste sites 2002 , 13, 39-58		8
36	Changes in cell cycle parameters and cell number in the rat midbrain during organogenesis. <i>Developmental Brain Research</i> , 2003 , 141, 117-28		8
35	Application of improved approach to evaluate a community intervention to reduce exposure of young children living in farmworker households to organophosphate pesticides. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2019 , 29, 358-365	6.7	8
34	Lobar evenness of deposition/retention in rat lungs of inhaled silver nanoparticles: an approach for reducing animal use while maximizing endpoints. <i>Particle and Fibre Toxicology</i> , 2019 , 16, 2	8.4	7

33	Seasonal variation in cortisol biomarkers in Hispanic mothers living in an agricultural region. <i>Biomarkers</i> , 2015 , 20, 299-305	2.6	7
32	Variability in metagenomic samples from the Puget Sound: Relationship to temporal and anthropogenic impacts. <i>PLoS ONE</i> , 2018 , 13, e0192412	3.7	7
31	A critical review of the analysis of dried blood spots for characterizing human exposure to inorganic targets using methods based on analytical atomic spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2020 , 35, 2092-2112	3.7	7
30	Modeling developmental processes in animals: applications in neurodevelopmental toxicology. <i>Environmental Toxicology and Pharmacology</i> , 2005 , 19, 615-24	5.8	6
29	A Case study on the utility of predictive toxicology tools in alternatives assessments for hazardous chemicals in children's consumer products. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2020 , 30, 160-170	6.7	6
28	Potential frameworks to support evaluation of mechanistic data for developmental neurotoxicity outcomes: A symposium report. <i>Neurotoxicology and Teratology</i> , 2020 , 78, 106865	3.9	5
27	Avoidable early life environmental exposures. <i>Lancet Planetary Health, The</i> , 2017 , 1, e172-e173	9.8	5
26	A model for optimization of biomarker testing frequency to minimize disease and cost: example of beryllium sensitization testing. <i>Risk Analysis</i> , 2003 , 23, 1211-20	3.9	5
25	Evaluation of the relationship between residential orchard density and dimethyl organophosphate pesticide residues in house dust. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2019 , 29, 379-388	6.7	5
24	Sex-specific accumulation of silver nanoparticles in rat kidneys is not ovarian hormone regulated but elimination limited. <i>NanoImpact</i> , 2020 , 20, 100255	5.6	4
23	Characterization of 3D embryonic C57BL/6 and A/J mouse midbrain micromass in vitro culture systems for developmental neurotoxicity testing. <i>Toxicology in Vitro</i> , 2018 , 48, 33-44	3.6	4
22	Melphalan, alone or conjugated to an FSH- β peptide, kills murine testicular cells in vitro and transiently suppresses murine spermatogenesis in vivo. <i>Theriogenology</i> , 2014 , 82, 152-9	2.8	4
21	Stage-specific signaling pathways during murine testis development and spermatogenesis: A pathway-based analysis to quantify developmental dynamics. <i>Reproductive Toxicology</i> , 2015 , 51, 31-9	3.4	4
20	Using a biokinetic model to quantify and optimize cortisol measurements for acute and chronic environmental stress exposure during pregnancy. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2014 , 24, 510-6	6.7	4
19	Organophosphate Pesticide Exposure Among Pome and Non-Pome Farmworkers: A Subgroup Analysis of a Community Randomized Trial. <i>Journal of Occupational and Environmental Medicine</i> , 2009 , 51, 500-9	2	4
18	FutureTox IV Workshop Summary: Predictive Toxicology for Healthy Children. <i>Toxicological Sciences</i> , 2021 , 180, 198-211	4.4	4
17	The Effects of Gene \times Environment Interactions on Silver Nanoparticle Toxicity in the Respiratory System. <i>Chemical Research in Toxicology</i> , 2019 , 32, 952-968	4	3
16	A systems-based computational model of alcohol's toxic effects on brain development. <i>Alcohol Research</i> , 2008 , 31, 76-83		3

15	The Effects of Genotype \times Phenotype Interactions on Transcriptional Response to Silver Nanoparticle Toxicity in Organotypic Cultures of Murine Tracheal Epithelial Cells. <i>Toxicological Sciences</i> , 2020 , 173, 131-143	4.4	3
14	Challenges in Defining Background Levels for Human and Ecological Risk Assessments. <i>Human and Ecological Risk Assessment (HERA)</i> , 2003 , 9, 1623-1632	4.9	2
13	Single-cell profiling for advancing birth defects research and prevention. <i>Birth Defects Research</i> , 2021 , 113, 546-559	2.9	2
12	The effects of genotype \times phenotype interactions on silver nanoparticle toxicity in organotypic cultures of murine tracheal epithelial cells. <i>Nanotoxicology</i> , 2020 , 14, 908-928	5.3	1
11	Comments on "An Approach for Modeling Noncancer Dose Responses with an Emphasis on Uncertainty" and "A Probabilistic Framework for the Reference Dose (Probabilistic RfD)" <i>Risk Analysis</i> , 1998 , 18, 663-664	3.9	1
10	Risk Assessment and the Impact of Ecogenetics 2006 , 427-450		1
9	Metals Induced Disruption of Ubiquitin Proteasome System, Activation of Stress Signaling and Apoptosis 2011 , 291-311		1
8	The effects of gene \times environment interactions on silver nanoparticle toxicity in the respiratory system: An adverse outcome pathway. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2021 , 13, e1708	9.2	1
7	The use of dried blood spots for characterizing children's exposure to organic environmental chemicals. <i>Environmental Research</i> , 2021 , 195, 110796	7.9	1
6	Health Measurement Model-Bringing a Life Course Perspective to Health Measurement: The PRISM Model. <i>Frontiers in Pediatrics</i> , 2021 , 9, 605932	3.4	1
5	Human Health Exposure Analysis Resource (HHEAR): A model for incorporating the exposome into health studies. <i>International Journal of Hygiene and Environmental Health</i> , 2021 , 235, 113768	6.9	1
4	Anchoring a dynamic in vitro model of human neuronal differentiation to key processes of early brain development in vivo. <i>Reproductive Toxicology</i> , 2020 , 91, 116-130	3.4	0
3	A Call to Include Indirect Effects of Marine Microplastics in Human Health Risk Assessments. <i>Integrated Environmental Assessment and Management</i> , 2019 , 15, 819-820	2.5	
2	Experimental approaches to evaluate mechanisms of developmental toxicity 2011 , 10-44		
1	Water Security: Integrating Lessons Learned for Water Quality, Quantity and Sustainability 121-130		