John M Desesso

List of Publications by Citations

96 papers	2,525 citations	28 h-index	48 g-index
102 ext. papers	2,727 ext. citations	4.3 avg, IF	5.08 L-index

#	Paper	IF	Citations
96	Anatomical and physiological parameters affecting gastrointestinal absorption in humans and rats. *Food and Chemical Toxicology*, **2001**, 39, 209-28	4.7	371
95	Postnatal growth and morphological development of the brain: a species comparison. *Birth Defects Research Part B: Developmental and Reproductive Toxicology*, **2006**, 77, 471-84		167
94	Overview: Using mode of action and life stage information to evaluate the human relevance of animal toxicity data. *Critical Reviews in Toxicology*, **2005**, 35, 664-72	5.7	142
93	An assessment of the developmental toxicity of inorganic arsenic. *Reproductive Toxicology*, **1998**, 12, 385-433	3.4	140
92	Developmental and reproductive outcomes in humans and animals after glyphosate exposure: a critical analysis. *Journal of Toxicology and Environmental Health - Part B: Critical Reviews*, **2012**, 15, 39-96	8.6	94
91	Mechanisms regulating toxicant disposition to the embryo during early pregnancy: an interspecies comparison. *Birth Defects Research Part C: Embryo Today Reviews*, **2004**, 72, 345-60		82
90	The placenta, transfer of immunoglobulins, and safety assessment of biopharmaceuticals in pregnancy. *Critical Reviews in Toxicology*, **2012**, 42, 185-210	5.7	73
89	D-mannitol, a specific hydroxyl free radical scavenger, reduces the developmental toxicity of hydroxyurea in rabbits. *Teratology*, **1994**, 49, 248-59		70
88	The potential of selected brominated flame retardants to affect neurological development. *Journal of Toxicology and Environmental Health - Part B: Critical Reviews*, **2010**, 13, 411-48	8.6	58
87	Drug-induced limb dysplasias in fetal rabbits. *Teratology*, **1977**, 15, 199-211		52
86	Estimation of cancer risks and benefits associated with a potential increased consumption of fruits and vegetables. *Food and Chemical Toxicology*, **2012**, 50, 4421-7	4.7	48
85	Amelioration of teratogenesis. I. Modification of hydroxyurea-induced teratogenesis by the antioxidant propyl gallate. *Teratology*, **1981**, 24, 19-35		47
84	Apparent lability of neural tube closure in laboratory animals and humans. *American Journal of Medical Genetics Part A*, **1999**, 87, 143-62		44
83	Trichloroethylene-contaminated drinking water and congenital heart defects: a critical analysis of the literature. *Reproductive Toxicology*, **2006**, 21, 117-47	3.4	41
82	Anatomical relationships of urinary bladders compared: their potential role in the development of bladder tumours in humans and rats. *Food and Chemical Toxicology*, **1995**, 33, 705-14	4.7	41
81	Analysis of the nonsteroidal anti-inflammatory drug literature for potential developmental toxicity in rats and rabbits. *Birth Defects Research Part B: Developmental and Reproductive Toxicology*, **2003**, 68, 5-26		39
80	Appropriate use of animal models in the assessment of risk during prenatal development: an illustration using inorganic arsenic. *Teratology*, **2000**, 62, 51-71		39

79	Cell death and free radicals: a mechanism for hydroxyurea teratogenesis. *Medical Hypotheses*, **1979**, 5, 937-51	3.8	38
78	Teratogen update: inorganic arsenic. *Teratology*, **2001**, 64, 170-3		37
77	Effects of hydroxyurea on hemodynamics of pregnant rabbits: a maternally mediated mechanism of embryotoxicity. *American Journal of Obstetrics and Gynecology*, **1981**, 140, 747-52	6.4	37
76	Hazard identification and predictability of children's health risk from animal data. *Environmental Health Perspectives*, **2004**, 112, 266-71	8.4	33
75	Maternal factors in developmental toxicity. *Teratogenesis, Carcinogenesis, and Mutagenesis*, **1987**, 7, 225-40		33
74	Differential embryonic cardiovascular responses to acute maternal uterine ischemia: an in vivo microscopic study of rabbit embryos with either intact or clamped umbilical cords. *Teratology*, **1980**, 22, 335-43		31
73	Atrazine and pregnancy outcomes: a systematic review of epidemiologic evidence. *Birth Defects Research Part B: Developmental and Reproductive Toxicology*, **2014**, 101, 215-36		30
72	The nature of the embryo-protective interaction of propyl gallate with hydroxyurea. *Reproductive Toxicology*, **1990**, 4, 145-52	3.4	29
71	Amelioration by leucovorin of methotrexate developmental toxicity in rabbits. *Teratology*, **1991**, 43, 201-15		28
70	Cardiovascular alterations in rabbit embryos in situ after a teratogenic dose of hydroxyurea: an in vivo microscopic study. *Teratology*, **1980**, 22, 115-24		28
69	Comparative ultrastructural alterations in rabbit limb-buds after a teratogenic dose of either hydroxyurea or methotrexate. *Teratology*, **1981**, 23, 197-215		28
68	Developmental toxicity studies with atrazine and its major metabolites in rats and rabbits. *Birth Defects Research Part B: Developmental and Reproductive Toxicology*, **2014**, 101, 199-214		27
67	Contrasting the Gastrointestinal Tracts of Mammals: Factors that Influence Absorption. *Annual Reports in Medicinal Chemistry*, **2008**, 353-371	1.6	27
66	Methotrexate-induced developmental toxicity in rabbits is ameliorated by 1-(p-tosyl)-3,4,4-trimethylimidazolidine, a functional analog for tetrahydrofolate-mediated one-carbon transfer. *Teratology*, **1992**, 45, 271-83		27
65	Protective effect of liposome encapsulation on paclitaxel developmental toxicity in the rat. *Teratology*, **1997**, 56, 305-10		26
64	Assessment of the carcinogenicity associated with oral exposures to hydrogen peroxide. *Food and Chemical Toxicology*, **2000**, 38, 1021-41	4.7	25
63	Mode of action: yolk sac poisoning and impeded histiotrophic nutrition--HBOC-related congenital malformations. *Critical Reviews in Toxicology*, **2005**, 35, 739-45	5.7	23
62	Comparative studies on acetazolamide teratogenesis in pregnant rats, rabbits, and rhesus monkeys. *Teratology*, **1981**, 24, 37-42		23

61	In utero arsenic exposure in mice and early life susceptibility to cancer. *Regulatory Toxicology and Pharmacology*, **2015**, 73, 378-90	3.4	21
60	Have animal data been used inappropriately to estimate risks to humans from environmental trichloroethylene?. *Regulatory Toxicology and Pharmacology*, **1993**, 18, 137-53	3.4	21
59	Ethoxyquin and nordihydroguaiaretic acid reduce hydroxyurea developmental toxicity. *Reproductive Toxicology*, **1990**, 4, 267-75	3.4	21
58	Framework for use of toxicity screening tools in context-based decision-making. *Food and Chemical Toxicology*, **2007**, 45, 759-96	4.7	20
57	Lectin teratogenesis: defects produced by concanavalin A in fetal rabbits. *Teratology*, **1979**, 19, 15-25		20
56	Evaluation of developmental toxicity studies of glyphosate with attention to cardiovascular development. *Critical Reviews in Toxicology*, **2013**, 43, 79-95	5.7	19
55	Lectin teratogenesis. II: Demonstration of increased binding of concanavalin A to limb buds of rabbit embryos during the teratogenically sensitive period. *Teratology*, **1989**, 39, 395-407		17
54	Bone development in laboratory mammals used in developmental toxicity studies. *Birth Defects Research*, **2018**, 110, 1157-1187	2.9	16
53	Multigeneration reproduction and male developmental toxicity studies on atrazine in rats. *Birth Defects Research Part B: Developmental and Reproductive Toxicology*, **2014**, 101, 237-53		16
52	Monomethylarsonic acid and dimethylarsinic acid: developmental toxicity studies with risk assessment. *Birth Defects Research Part B: Developmental and Reproductive Toxicology*, **2006**, 77, 53-68		16
51	An Assessment of the Carcinogenic Potential of Trichloroethylene in Humans. *Human and Ecological Risk Assessment (HERA)*, **2000**, 6, 575-641	4.9	15
50	Vascular ontogeny within selected thoracoabdominal organs and the limbs. *Reproductive Toxicology* , **2017**, 70, 3-20	3.4	14
49	Relationship between bent long bones, bent scapulae, and wavy ribs: malformations or variations?. *Birth Defects Research Part B: Developmental and Reproductive Toxicology*, **2014**, 101, 379-92		13
48	Hydroxylamine moiety of developmental toxicants is associated with early cell death: a structure-activity analysis. *Teratology*, **2000**, 62, 346-55		13
47	Embryotoxicity of free and liposome-encapsulated taxol in the chick. *Pharmacology*, **1995**, 51, 145-51	2.3	12
46	Future of developmental toxicity testing. *Current Opinion in Toxicology*, **2017**, 3, 1-5	4.4	11
45	Analysis and integration of developmental neurotoxicity and ancillary data into risk assessment: a case study of dimethoate. *Journal of Toxicology and Environmental Health - Part A: Current Issues*, **2009**, 72, 94-109	3.2	11
44	Practical guidance for evaluating and interpreting developmental toxicity tests. *Journal of Hazardous Materials*, **1994**, 39, 245-266	12.8	11

43	Developmental toxicity of hydroxylamine: an example of a maternally mediated effect. *Toxicology and Industrial Health*, **1990**, 6, 109-21	1.8	11
42	Gestational/perinatal chlorpyrifos exposure is not associated with autistic-like behaviors in rodents. *Critical Reviews in Toxicology*, **2014**, 44, 523-34	5.7	10
41	Appropriate Exposure Routes and Doses in Studies Designed to Assess Developmental Toxicity: A Case Study of Inorganic Arsenic. *International Journal of Toxicology*, **1999**, 18, 361-368	2.4	10
40	Altered glycosaminoglycan composition of rat forelimb-buds during hydroxyurea teratogenesis: an indication of repair. *Teratology*, **1982**, 26, 71-83		10
39	Taxol and embryonic development in the chick. *Teratogenesis, Carcinogenesis, and Mutagenesis*, **1994**, 14, 23-30		8
38	Impact of chloroform exposures on reproductive and developmental outcomes: A systematic review of the scientific literature. *Birth Defects Research*, **2018**, 110, 1267-1313	2.9	8
37	Adaptation of the ToxRTool to Assess the Reliability of Toxicology Studies Conducted with Genetically Modified Crops and Implications for Future Safety Testing. *Critical Reviews in Food Science and Nutrition*, **2016**, 56, 512-26	11.5	7
36	The arrogance of teratology: A brief chronology of attitudes throughout history. *Birth Defects Research*, **2019**, 111, 123-141	2.9	7
35	Developmental toxicity in rats of a hemoglobin-based oxygen carrier results from impeded function of the inverted visceral yolk sac. *Reproductive Toxicology*, **2015**, 52, 108-17	3.4	6
34	Workshop to Identify Critical Windows of Exposure for Children‡s Health: Cardiovascular and Endocrine Work Group Summary. *Environmental Health Perspectives*, **2000**, 108, 569	8.4	6
33	Consensus workshop on the evaluation of maternal and developmental toxicity work group I report: end points of maternal and developmental toxicity. *Teratogenesis, Carcinogenesis, and Mutagenesis*, **1987**, 7, 307-10		6
32	Comments on "Teratogen update:bendectin". *Teratology*, **1985**, 31, 431-2		6
31	Trichloroethylene in drinking water throughout gestation did not produce congenital heart defects in Sprague Dawley rats. *Birth Defects Research*, **2019**, 111, 1217-1233	2.9	4
30	Absence of developmental toxicity in a canine model after infusion of a hemoglobin-based oxygen carrier: Implications for risk assessment. *Reproductive Toxicology*, **2015**, 52, 101-7	3.4	4
29	Review of TCE cardiac defects data by Makris et al. is not systematic. *Reproductive Toxicology*, **2017**, 71, 134	3.4	4
28	Anatomical and Physiological Parameters that Influence Gastrointestinal Absorption **2012**, 1		4
27	Teratogen update: Topical use and third-generation retinoids. *Birth Defects Research*, **2020**, 112, 1105-1114	2.9	3
26	Comment on "Glyphosate impairs male offspring reproductive development by disrupting gonadotropin expression" by Romano et al. 2012. *Archives of Toxicology*, **2012**, 86, 1791-3; author reply 1795-7	5.8	3

25	The case for integrating low dose, beneficial responses into US EPA risk assessments. *Human and Experimental Toxicology*, **2006**, 25, 7-10	3.4	3
24	Debate-Commentary: Should Trichloroethylene Be Classified as a Human Carcinogen?. *Human and Ecological Risk Assessment (HERA)*, **2001**, 7, 651-655	4.9	3
23	Comparative Features of Vertebrate Embryology **2005**, 147-197		3
22	Of embryos and tumors: Cyclopia and the relevance of mechanistic teratology. *Birth Defects Research*, **2020**, 112, 219-233	2.9	3
21	Comment on "Concentrations of vanadium in urine and seminal plasma in relation to semen quality parameters, spermatozoa DNA damage and serum hormone levels," by Wang et al. *Science of the Total Environment*, **2019**, 685, 772-774	10.2	2
20	Conflicting views on the potential carcinogenicity of glyphosate: how did we get here and what should we do?. *Journal of Public Health and Emergency*, **2017**, 1, 78-78	1.3	2
19	Congenital Embryonic Arterial and Skeletal Dysgeneses. *Radiographics*, **2016**, 36, 1257	5.4	2
18	Periods of Susceptibility: Interspecies Comparison of Developmental Milestones During Ontogenesis of the Central Nervous System **2018**, 113-125		2
17	Guidance for Performing Ecological Risk Assessments at Hazardous Waste Sites44-44-17		2
16	Identification of Critical Biological Parameters Affecting Gastrointestinal Absorption **1990**,		2
15	Comparative gestational milestones in vertebrate development **2011**, 93-138		2
14	Comment on Sweeting and Wells (2015). *Reproductive Toxicology*, **2016**, 66, 124-125	3.4	1
13	Trichloroethylene and ocular malformations: analysis of extant literature. *International Journal of Toxicology*, **2008**, 27, 81-95	2.4	1
12	Response to the Commentary of Wu et al.. *Food and Chemical Toxicology*, **2002**, 40, 1903-1904	4.7	1
11	Systematic assessment of quaternary ammonium compounds for the potential to elicit developmental and reproductive effects. *Birth Defects Research*, **2021**, 113, 1484-1511	2.9	1
10	Developmental Toxicology		1
9	Inorganic Arsenic and Prenatal Development **1999**, 183-190		0
8	Comments on "The teratogenic effects of sertraline in mice" (Cabrera et al., 2020 [DOI: 10.1002/bdr2.1660]). *Birth Defects Research*, **2020**, 112, 1025-1027	2.9	

List of Publications

7	Response to the comments of Runyan et al. on "Trichloroethylene in drinking water throughout gestation did not produce congenital heart defects in Sprague Dawley rats". *Birth Defects Research*, **2019**, 111, 1237-1239	2.9
6	Embryotoxicity: Anatomical, Physiological, and Functional **2010**, 11-25	
5	Developmental perchlorate exposure and synaptic transmission in hippocampus. *Environmental Health Perspectives*, **2009**, 117, A236-7; author reply A237-8	8.4
4	Bendectin. *Reproductive Toxicology*, **2001**, 15, 733	3.4
3	Comment on "Effects of in Utero Exposure to Arsenic during the Second Half of Gestation on Reproductive End Points and Metabolic Parameters in Female CD-1 Mice". *Environmental Health Perspectives*, **2016**, 124, A46	8.4
2	Functional Anatomy of the Brain **2009**, 1-14	
1	Embryotoxicity: Anatomical, Physiological, Functional **2018**, 21-33	