John M Desesso

List of Publications by Year
in descending order

95 papers	3,017 citations	159358 30 h-index	174990 52 g-index
102 all docs	102 docs citations	102 times ranked	3038 citing authors

#	Article	IF	Citations
1	Anatomical and physiological parameters affecting gastrointestinal absorption in humans and rats. Food and Chemical Toxicology, 2001, 39, 209-228.	1.8	439
2	Postnatal growth and morphological development of the brain: a species comparison. Birth Defects Research Part B: Developmental and Reproductive Toxicology, 2006, 77, 471-484.	1.4	199
3	Overview: Using Mode of Action and Life Stage Information to Evaluate the Human Relevance of Animal Toxicity Data. Critical Reviews in Toxicology, 2005, 35, 663-672.	1.9	166
4	An assessment of the developmental toxicity of inorganic arsenic 11Armand Lione, Ph.D., served as guest editor for this submission.. Reproductive Toxicology, 1998, 12, 385-433.	1.3	156
5	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.	2.9	117
6	Mechanisms regulating toxicant disposition to the embryo during early pregnancy: An interspecies comparison. Birth Defects Research Part C: Embryo Today Reviews, 2004, 72, 345-360.	3.6	95
7	The placenta, transfer of immunoglobulins, and safety assessment of biopharmaceuticals in pregnancy. Critical Reviews in Toxicology, 2012, 42, 185-210.	1.9	93
8	D-mannitol, a specific hydroxyl free radical scavenger, reduces the developmental toxicity of hydroxyurea in rabbits. Teratology, 1994, 49, 248-259.	1.8	75
9	Estimation of cancer risks and benefits associated with a potential increased consumption of fruits and vegetables. Food and Chemical Toxicology, 2012, 50, 4421-4427.	1.8	66
10	The Potential of Selected Brominated Flame Retardants to Affect Neurological Development. Journal of Toxicology and Environmental Health - Part B: Critical Reviews, 2010, 13, 411-448.	2.9	62
11	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.	1.4	57
12	Drug-induced limb dysplasias in fetal rabbits. Teratology, 1977, 15, 199-211.	1.8	56
13	Trichloroethylene-contaminated drinking water and congenital heart defects: A critical analysis of the literature. Reproductive Toxicology, 2006, 21, 117-147.	1.3	52
14	Amelioration of teratogenesis. I. Modification of hydroxyurea-induced teratogenesis by the antioxidant propyl gallate. Teratology, 1981, 24, 19-35.	1.8	51
15	Apparent lability of neural tube closure in laboratory animals and humans. , 1999, 87, 143-162.		51
16	Cell death and free radicals: A mechanism for hydroxyurea teratogenesis. Medical Hypotheses, 1979, 5, 937-951.	0.8	46
17	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, 705-714.	1.8	46
18	Appropriate use of animal models in the assessment of risk during prenatal development: An illustration using inorganic arsenic. Teratology, 2000, 62, 51-71.	1.8	45

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19	Teratogen update: Inorganic arsenic. Teratology, 2001, 64, 170-173.	1.8	45
20	Effects of hydroxyurea on hemodynamics of pregnant rabbits: A maternally mediated mechanism of embryotoxicity. American Journal of Obstetrics and Gynecology, 1981, 140, 747-752.	0.7	43
21	Hazard identification and predictability of children's health risk from animal data.. Environmental Health Perspectives, 2004, 112, 266-271.	2.8	40
22	Atrazine and Pregnancy Outcomes: A Systematic Review of Epidemiologic Evidence. Birth Defects Research Part B: Developmental and Reproductive Toxicology, 2014, 101, 215-236.	1.4	40
23	Maternal factors in developmental toxicity. Teratogenesis, Carcinogenesis, and Mutagenesis, 1987, 7, 225-240.	0.8	38
24	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.	1.4	37
25	Contrasting the Gastrointestinal Tracts of Mammals: Factors that Influence Absorption. Annual Reports in Medicinal Chemistry, 2008, , 353-371.	0.5	36
26	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, 335-343.	1.8	35
27	Bone development in laboratory mammals used in developmental toxicity studies. Birth Defects Research, 2018, 110, 1157-1187.	0.8	35
28	Amelioration by leucovorin of methotrexate developmental toxicity in rabbits. Teratology, 1991, 43, 201-215.	1.8	33
29	Cardiovascular alterations in rabbit embryos in situ after a teratogenic dose of hydroxyurea: An in vivo microscopic study. Teratology, 1980, 22, 115-124.	1.8	30
30	The nature of the embryo-protective interaction of propyl gallate with hydroxyurea. Reproductive Toxicology, 1990, 4, 145-152.	1.3	30
31	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, 271-283.	1.8	30
32	Assessment of the carcinogenicity associated with oral exposures to hydrogen peroxide. Food and Chemical Toxicology, 2000, 38, 1021-1041.	1.8	30
33	Comparative ultrastructural alterations in rabbit limb-buds after a teratogenic dose of either hydroxyurea or methotrexate. Teratology, 1981, 23, 197-215.	1.8	29
34	Comparative studies on acetazolamide teratogenesis in pregnant rats, rabbits, and rhesus monkeys. Teratology, 1981, 24, 37-42.	1.8	29
35	Protective effect of liposome encapsulation on paclitaxel developmental toxicity in the rat. , 1997, 56, 305-310.		29
36	Mode of Action: Yolk Sac Poisoning and Impeded Histiotrophic Nutritionâ€"HBOC-Related Congenital Malformations. Critical Reviews in Toxicology, 2005, 35, 739-745.	1.9	27

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37	In utero arsenic exposure in mice and early life susceptibility to cancer. Regulatory Toxicology and Pharmacology, 2015, 73, 378-390.	1.3	27
38	Evaluation of developmental toxicity studies of glyphosate with attention to cardiovascular development. Critical Reviews in Toxicology, 2013, 43, 79-95.	1.9	26
39	Multigeneration Reproduction and Male Developmental Toxicity Studies on Atrazine in Rats. Birth Defects Research Part B: Developmental and Reproductive Toxicology, 2014, 101, 237-253.	1.4	25
40	Ethoxyquin and nordihydroguaiaretic acid reduce hydroxyurea developmental toxicity. Reproductive Toxicology, 1990, 4, 267-275.	1.3	23
41	Vascular ontogeny within selected thoracoabdominal organs and the limbs. Reproductive Toxicology, 2017, 70, 3-20.	1.3	23
42	Have Animal Data Been Used Inappropriately to Estimate Risks to Humans from Environmental Trichloroethylene?. Regulatory Toxicology and Pharmacology, 1993, 18, 137-153.	1.3	22
43	Framework for use of toxicity screening tools in context-based decision-making. Food and Chemical Toxicology, 2007, 45, 759-796.	1.8	21
44	Lectin teratogenesis: Defects produced by Concanavalin a in fetal rabbits. Teratology, 1979, 19, 15-25.	1.8	20
45	Monomethylarsonic acid and dimethylarsinic acid: developmental toxicity studies with risk assessment. Birth Defects Research Part B: Developmental and Reproductive Toxicology, 2006, 77, 53-68.	1.4	20
46	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.	1.8	17
47	Future of developmental toxicity testing. Current Opinion in Toxicology, 2017, 3, 1-5.	2.6	17
48	An Assessment of the Carcinogenic Potential of Trichloroethylene in Humans. Human and Ecological Risk Assessment (HERA), 2000, 6, 575-641.	1.7	16
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, 379-392.	1.4	16
50	Practical guidance for evaluating and interpreting developmental toxicity tests. Journal of Hazardous Materials, 1994, 39, 245-266.	6.5	15
51	Hydroxylamine moiety of developmental toxicants is associated with early cell death: A structure-activity analysis. Teratology, 2000, 62, 346-355.	1.8	14
52	Embryotoxicity of Free and Liposome-Encapsulated Taxol in the Chick. Pharmacology, 1995, 51, 145-151.	0.9	13
53	Developmental Toxicity of Hydroxylamine: An Example of a Maternally Mediated Effect. Toxicology and Industrial Health, 1990, 6, 109-121.	0.6	12
54	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, 2008, 72, 94-109.	1.1	12

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55	Altered glycosaminoglycan composition of rat forelimb-buds during hydroxyurea teratogenesis: An indication of repair. Teratology, 1982, 26, 71-83.	1.8	11
56	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.	0.6	11
57	Gestational/Perinatal chlorpyrifos exposure is not associated with autistic-like behaviors in rodents. Critical Reviews in Toxicology, 2014, 44, 523-534.	1.9	11
58	Impact of chloroform exposures on reproductive and developmental outcomes: A systematic review of the scientific literature. Birth Defects Research, 2018, 110, 1267-1313.	0.8	11
59	Taxol and embryonic development in the chick. Teratogenesis, Carcinogenesis, and Mutagenesis, 1994, 14, 23-30.	0.8	8
60	The arrogance of teratology: A brief chronology of attitudes throughout history. Birth Defects Research, 2019, 111, 123-141.	0.8	8
61	Comparative Features of Vertebrate Embryology. , 2005, , 147-197.		8
62	Comments on â€œTeratogen Update: Bendectinâ€• Teratology, 1985, 31, 431-431.	1.8	7
63	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, 307-310.	0.8	7
64	Workshop to Identify Critical Windows of Exposure for Children's Health: Cardiovascular and Endocrine Work Group Summary. Environmental Health Perspectives, 2000, 108, 569.	2.8	7
65	Developmental toxicity in rats of a hemoglobin-based oxygen carrier results from impeded function of the inverted visceral yolk sac. Reproductive Toxicology, 2015, 52, 108-117.	1.3	7
66	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, 512-526.	5.4	7
67	Teratogen update: Topical use and thirdâ€generation retinoids. Birth Defects Research, 2020, 112, 1105-1114.	0.8	7
68	Trichloroethylene in drinking water throughout gestation did not produce congenital heart defects in Sprague Dawley rats. Birth Defects Research, 2019, 111, 1217-1233.	0.8	6
69	Absence of developmental toxicity in a canine model after infusion of a hemoglobin-based oxygen carrier: Implications for risk assessment. Reproductive Toxicology, 2015, 52, 101-107.	1.3	5
70	Review of TCE cardiac defects data by Makris et al. is not systematic. Reproductive Toxicology, 2017, 71, 134.	1.3	4
71	Conflicting views on the potential carcinogenicity of glyphosate: how did we get here and what should we do?. Journal of Public Health and Emergency, 0, 1, 78-78.	4.4	4
72	Systematic assessment of quaternary ammonium compounds for the potential to elicit developmental and reproductive effects. Birth Defects Research, 2021, 113, 1484-1511.	0.8	4

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73	Debate-Commentary: Should Trichloroethylene Be Classified as a Human Carcinogen?. Human and Ecological Risk Assessment (HERA), 2001, 7, 651-655.	1.7	3
74	The case for integrating low dose, beneficial responses into US EPA risk assessments. Human and Experimental Toxicology, 2006, 25, 7-10.	1.1	3
75	Comment on â€œGlyphosate impairs male offspring reproductive development by disrupting gonadotropin expressionâ€•by Romano et al. 2012. Archives of Toxicology, 2012, 86, 1791-1793.	1.9	3
76	Periods of Susceptibility: Interspecies Comparison of Developmental Milestones During Ontogenesis of the Central Nervous System. , 2018, , 113-125.		3
77	Of embryos and tumors: Cyclopia and the relevance of mechanistic teratology. Birth Defects Research, 2020, 112, 219-233.	0.8	3
78	Trichloroethylene and Ocular Malformations: Analysis of Extant Literature. International Journal of Toxicology, 2008, 27, 81-95.	0.6	2
79	Congenital Embryonic Arterial and Skeletal Dysgeneses. Radiographics, 2016, 36, 1257-1257.	1.4	2
80	Comment on â€œConcentrations of vanadium in urine and seminal plasma in relation to semen quality parameters, spermatozoa DNA damage and serum hormone levels,â€•by Wang et al.. Science of the Total Environment, 2019, 685, 772-774.	3.9	2
81	Guidance for Performing Ecological Risk Assessments at Hazardous Waste Sites. , 0, , 44-44-17.		2
82	Comparative gestational milestones in vertebrate development. , 2011, , 93-138.		2
83	Response to the Commentary of Wu et al.. Food and Chemical Toxicology, 2002, 40, 1903-1904.	1.8	1
84	Comment on Sweeting and Wells (2015). Reproductive Toxicology, 2016, 66, 124-125.	1.3	1
85	Embryotoxicity: Anatomical, Physiological, Functional. , 2018, , 21-33.		1
86	Inorganic Arsenic and Prenatal Development. , 1999, , 183-190.		1
87	Comparative anatomy, preâ€•and postnatal changes during the development and maturation of the small intestine: Lifeâ€stage influences on exposure. Birth Defects Research, 2022, , .	0.8	1
88	Bendectin. Reproductive Toxicology, 2001, 15, 733.	1.3	0
89	Developmental Perchlorate Exposure and Synaptic Transmission in Hippocampus. Environmental Health Perspectives, 2009, 117, A236-7; author reply A237-8.	2.8	0
90	Embryotoxicity: Anatomical, Physiological, and Functional. , 2010, , 11-25.		0

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91	Interspecies comparison of placental structure and function with attention to transfer of immunoglobulins and biopharmaceuticals. Toxicology Letters, 2016, 259, S4.	0.4	0
92	Response to the comments of Runyan et al. on â€œTrichloroethylene in drinking water throughout gestation did not produce congenital heart defects in Sprague Dawley ratsâ€• Birth Defects Research, 2019, 111, 1237-1239.	0.8	0
93	Reminiscences of the 36th president. Birth Defects Research, 2020, 112, 953-954.	0.8	0
94	Comments on â€œThe teratogenic effects of sertraline in miceâ€•(Cabrera et al., 2020 [<scp>DOI</scp>:) Tj ETQq0 0 0 rgBT /Overlock	0.8	0
95	Comment on â€œEffects of in Utero Exposure to Arsenic during the Second Half of Gestation on Reproductive End Points and Metabolic Parameters in Female CD-1 Miceâ€• Environmental Health Perspectives, 2016, 124, A46.	2.8	0