

# James D Yager

## List of Publications by Year in descending order

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Version: 2024-02-01

80  
papers

5,600  
citations

109321

35  
h-index

76900

74  
g-index

82  
all docs

82  
docs citations

82  
times ranked

6648  
citing authors

#	ARTICLE	IF	CITATIONS
1	Estrogen Carcinogenesis in Breast Cancer. <i>New England Journal of Medicine</i> , 2006, 354, 270-282.	27.0	1,531
2	Chapter 3: Endogenous Estrogens as Carcinogens Through Metabolic Activation. <i>Journal of the National Cancer Institute Monographs</i> , 2000, 2000, 67-73.	2.1	342
3	Mitochondrial localization of ER $\alpha$ and ER $\beta$ in human MCF7 cells. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2004, 286, E1011-E1022.	3.5	238
4	Regulation of mitochondrial respiratory chain biogenesis by estrogens/estrogen receptors and physiological, pathological and pharmacological implications. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2009, 1793, 1540-1570.	4.1	215
5	Estrogen receptor-dependent and independent mechanisms of breast cancer carcinogenesis. <i>Steroids</i> , 2013, 78, 161-170.	1.8	178
6	DNA damage caused by reactive oxygen species originating from a copper-dependent oxidation of the 2-hydroxy catechol of estradiol. <i>Carcinogenesis</i> , 1994, 15, 1421-1427.	2.8	155
7	Serum Estrogen, But Not Testosterone, Levels Differ between Black and White Men in a Nationally Representative Sample of Americans. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2007, 92, 2519-2525.	3.6	150
8	Binding of MCF-7 cell mitochondrial proteins and recombinant human estrogen receptors $\alpha$ and $\beta$ to human mitochondrial dna estrogen response elements. <i>Journal of Cellular Biochemistry</i> , 2004, 93, 358-373.	2.6	139
9	Regulation of mitochondrial respiratory chain structure and function by estrogens/estrogen receptors and potential physiological/pathophysiological implications. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2005, 1746, 1-17.	4.1	138
10	Statistical Inference from Multiple iTRAQ Experiments without Using Common Reference Standards. <i>Journal of Proteome Research</i> , 2013, 12, 594-604.	3.7	130
11	Pancreatic carcinoma in azaserine-treated rats: Induction, classification and dietary modulation of incidence. <i>Cancer</i> , 1981, 47, 1562-1572.	4.1	106
12	Mechanisms of estrogen carcinogenesis: The role of E2/E1 quinone metabolites suggests new approaches to preventive intervention – A review. <i>Steroids</i> , 2015, 99, 56-60.	1.8	106
13	The Three Rs: The Way Forward. <i>ATLA Alternatives To Laboratory Animals</i> , 1995, 23, 838-866.	1.0	105
14	Effects of ethinyl estradiol and tamoxifen on liver DNA turnover and new synthesis and appearance of gamma glutamyl transpeptidase-positive foci in female rats. <i>Carcinogenesis</i> , 1986, 7, 2007-2014.	2.8	103
15	Structural Specificity of Polyamines and Polyamine Analogues in the Protection of DNA from Strand Breaks Induced by Reactive Oxygen Species. <i>Biochemical and Biophysical Research Communications</i> , 1998, 244, 298-303.	2.1	102
16	Mitochondrial estrogen receptors – new insights into specific functions. <i>Trends in Endocrinology and Metabolism</i> , 2007, 18, 89-91.	7.1	95
17	Pancreatic carcinoma in azaserine-treated rats: Induction, classification and dietary modulation of incidence. <i>Cancer</i> , 1981, 47, 1562-1572.	4.1	91
18	The use of biomarkers of toxicity for integrating in vitro hazard estimates into risk assessment for humans. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2012, 29, 411-425.	1.5	87

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19	Estrogen's Effects on Mitochondrial Gene Expression: Mechanisms and Potential Contributions to Estrogen Carcinogenesis. <i>Annals of the New York Academy of Sciences</i> , 2004, 1028, 258-272.	3.8	79
20	Increased oxidative DNA damage in livers of 2,3,7,8-tetrachlorodibenzo-p-dioxin treated intact but not ovariectomized rats. <i>Cancer Letters</i> , 1996, 98, 219-225.	7.2	78
21	A morphological study of differentiated hepatocytes in vitro. <i>Hepatology</i> , 1995, 22, 175-187.	7.3	69
22	Genetic variability in a frozen batch of MCF-7 cells invisible in routine authentication affecting cell function. <i>Scientific Reports</i> , 2016, 6, 28994.	3.3	67
23	Growth stimulation followed by growth inhibition in livers of female rats treated with ethinyl estradiol. <i>Carcinogenesis</i> , 1994, 15, 2117-2123.	2.8	63
24	Characterization of human soluble high and low activity catechol-O-methyltransferase catalyzed catechol estrogen methylation. <i>Pharmacogenetics and Genomics</i> , 2002, 12, 517-528.	5.7	58
25	Arsenic: Extension of its Endocrine Disruption Potential to Interference with Estrogen Receptor-Mediated Signaling. <i>Toxicological Sciences</i> , 2007, 98, 1-4.	3.1	56
26	Effects of cadmium on estrogen receptor mediated signaling and estrogen induced DNA synthesis in T47D human breast cancer cells. <i>Toxicology Letters</i> , 2009, 184, 134-138.	0.8	53
27	The Human Toxome Project. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2015, 32, 112-124.	1.5	52
28	ESR Identification of Free Radicals Formed from the Oxidation of Catechol Estrogens by Cu <sup>2+</sup> . <i>Archives of Biochemistry and Biophysics</i> , 1997, 347, 45-52.	3.0	49
29	Enhanced Mitochondrial Gene Transcript, ATP, Bcl-2 Protein Levels, and Altered Glutathione Distribution in Ethinyl Estradiol-Treated Cultured Female Rat Hepatocytes. <i>Toxicological Sciences</i> , 2003, 75, 271-278.	3.1	49
30	The Plasma Proteome Identifies Expected and Novel Proteins Correlated with Micronutrient Status in Undernourished Nepalese Children. <i>Journal of Nutrition</i> , 2013, 143, 1540-1548.	2.9	44
31	Comitogenic effects of estrogens on DNA synthesis induced by various growth factors in cultured female rat hepatocytes. <i>Hepatology</i> , 1994, 19, 183-192.	7.3	41
32	Catechol-O-methyltransferase: characteristics, polymorphisms and role in breast cancer. <i>Drug Discovery Today Disease Mechanisms</i> , 2012, 9, e41-e46.	0.8	39
33	Sex Hormones and Tumor Promotion in Liver. <i>Experimental Biology and Medicine</i> , 1991, 198, 667-674.	2.4	38
34	Mechanisms of Hormone Carcinogenesis:. <i>Advances in Experimental Medicine and Biology</i> , 2008, , 1-18.	1.6	38
35	Effect of Age on Nodule Induction by Azaserine and DNA Synthesis in Rat Pancreas 2 3. <i>Journal of the National Cancer Institute</i> , 1977, 58, 1769-1775.	6.3	37
36	SHORT COMMUNICATION: Identification of genes whose expression is altered during mitosuppression in livers of ethinyl estradiol-treated female rats. <i>Carcinogenesis</i> , 1996, 17, 2783-2786.	2.8	37

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37	Estrogen down regulates COMT transcription via promoter DNA methylation in human breast cancer cells. <i>Toxicology and Applied Pharmacology</i> , 2019, 367, 12-22.	2.8	35
38	Reduced formation of depurinating estrogen-DNA adducts by sulforaphane or KEAP1 disruption in human mammary epithelial MCF-10A cells. <i>Carcinogenesis</i> , 2013, 34, 2587-2592.	2.8	34
39	Massive Open Online Courses in Public Health. <i>Frontiers in Public Health</i> , 2013, 1, 59.	2.7	31
40	Lack of hepatogenotoxicity of oral contraceptive steroids. <i>Carcinogenesis</i> , 1982, 3, 625-628.	2.8	30
41	Synthetic estrogens and tamoxifen as promoters of hepatocarcinogenesis. <i>Preventive Medicine</i> , 1991, 20, 27-37.	3.4	30
42	Inhibition of TGF- $\beta$ -induced apoptosis by ethinyl estradiol in cultured, precision cut rat liver slices and hepatocytes. <i>Carcinogenesis</i> , 2000, 21, 1205-1211.	2.8	27
43	Catechol Estrogen 4-Hydroxyequilenin Is a Substrate and an Inhibitor of Catechol-O-Methyltransferase. <i>Chemical Research in Toxicology</i> , 2003, 16, 668-675.	3.3	25
44	General intelligence is associated with subclinical inflammation in Nepalese children: A population-based plasma proteomics study. <i>Brain, Behavior, and Immunity</i> , 2016, 56, 253-263.	4.1	25
45	Catechol-O-methyltransferase low activity genotype (COMTLL) is associated with low levels of COMT protein in human hepatocytes. <i>Cancer Letters</i> , 2004, 214, 189-195.	7.2	24
46	Information-dependent enrichment analysis reveals time-dependent transcriptional regulation of the estrogen pathway of toxicity. <i>Archives of Toxicology</i> , 2017, 91, 1749-1762.	4.2	24
47	Plasma Proteome Biomarkers of Inflammation in School Aged Children in Nepal. <i>PLoS ONE</i> , 2015, 10, e0144279.	2.5	22
48	Dear Dr. Hill. <i>Journal of Nutrition</i> , 1979, 109, 924-925.	2.9	20
49	A single-dose protocol for azaserine initiation of pancreatic carcinogenesis in the rat. <i>International Journal of Cancer</i> , 1981, 28, 601-606.	5.1	19
50	U.v.-enhanced reactivation of u.v.-irradiated herpes virus by primary cultures of rat hepatocytes. <i>Carcinogenesis</i> , 1984, 5, 495-500.	2.8	19
51	Regulation of rat hepatocyte epidermal growth factor receptor by the liver tumor promoter ethinyl estradiol. <i>Carcinogenesis</i> , 1990, 11, 1103-1109.	2.8	19
52	A Plasma $\alpha$ -Tocopherome Can Be Identified from Proteins Associated with Vitamin E Status in School-Aged Children of Nepal. <i>Journal of Nutrition</i> , 2015, 145, 2646-2656.	2.9	19
53	Persistence of DNA damage in rat pancreas following administration of three carcinogens and/or mutagens. <i>Chemico-Biological Interactions</i> , 1978, 22, 287-295.	4.0	15
54	Expression of c-myc, c-raf-1, and c-Ki-ras in azaserine-induced pancreatic carcinomas and growing pancreas in rats. <i>Molecular Carcinogenesis</i> , 1990, 3, 379-386.	2.7	15

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55	Equine Catechol Estrogen 4-Hydroxyequilenin Is a More Potent Inhibitor of the Variant Form of Catechol-O-Methyltransferase. <i>Chemical Research in Toxicology</i> , 2004, 17, 512-520.	3.3	15
56	Formation of Two Novel Estrogen Guanine Adducts and HPLC/MS Detection of 4-Hydroxyestradiol- <i>N</i> <sup>7</sup> -Guanine in Human Urine. <i>Chemical Research in Toxicology</i> , 2008, 21, 1622-1630.	3.3	15
57	The Plasma Proteome Is Associated with Anthropometric Status of Undernourished Nepalese School-Aged Children. <i>Journal of Nutrition</i> , 2017, 147, jn243014.	2.9	15
58	Catechol-O-methyltransferase: Effects of the val108met polymorphism on protein turnover in human cells. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2008, 1780, 27-33.	2.4	14
59	Enhancement in rats by the liver tumor promoter ethinyl estradiol of a serum factor(s) which is stimulatory for hepatocyte DNA synthesis. <i>Biochemical and Biophysical Research Communications</i> , 1989, 160, 154-161.	2.1	13
60	Biological Systems of Vitamin K: A Plasma Nutriproteomics Study of Subclinical Vitamin K Deficiency in 500 Nepalese Children. <i>OMICS A Journal of Integrative Biology</i> , 2016, 20, 214-223.	2.0	13
61	Metabolomic network analysis of estrogen-stimulated MCF-7 cells: a comparison of overrepresentation analysis, quantitative enrichment analysis and pathway analysis versus metabolite network analysis. <i>Archives of Toxicology</i> , 2017, 91, 217-230.	4.2	13
62	Expression of c-raf-1 and A-raf-1 during regeneration of rat liver following surgical partial hepatectomy. <i>Molecular Carcinogenesis</i> , 1989, 2, 63-67.	2.7	11
63	Metabolism of the liver tumor promoter ethinyl estradiol by primary cultures of rat hepatocytes. <i>Toxicology and Applied Pharmacology</i> , 1990, 102, 486-496.	2.8	11
64	Heat-shock-induced enhanced reactivation of UV-irradiated Herpesvirus. <i>Mutation Research - DNA Repair Reports</i> , 1985, 146, 121-128.	1.8	10
65	Manganese superoxide dismutase: effect of the ala16val polymorphism on protein, activity, and mRNA levels in human breast cancer cell lines and stably transfected mouse embryonic fibroblasts. <i>Molecular and Cellular Biochemistry</i> , 2010, 335, 107-118.	3.1	10
66	The co-mitogenic effects of various estrogens for TGF- $\beta$ -induced DNA synthesis in cultured female rat hepatocytes. <i>Cancer Letters</i> , 1994, 84, 133-140.	7.2	8
67	Effects of carcinogen treatment on rat liver DNA synthesis in vivo and on nascent DNA synthesis and elongation in cultured hepatocytes. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1986, 161, 143-154.	1.0	7
68	Functional and structural comparisons of cysteine residues in the Val108 wild type and Met108 variant of human soluble catechol O-methyltransferase. <i>Chemico-Biological Interactions</i> , 2005, 152, 151-163.	4.0	7
69	Age-Specific Serum Total and Free Estradiol Concentrations in Healthy Men in US Nationally Representative Samples. <i>Journal of the Endocrine Society</i> , 2019, 3, 1825-1836.	0.2	7
70	Plasma Selenium Protein P Isoform 1 (SEPP1): A Predictor of Selenium Status in Nepalese Children Detected by Plasma Proteomics. <i>International Journal for Vitamin and Nutrition Research</i> , 2017, 87, 1-10.	1.5	7
71	Plasma proteome correlates of lipid and lipoprotein: biomarkers of metabolic diversity and inflammation in children of rural Nepal. <i>Journal of Lipid Research</i> , 2019, 60, 149-160.	4.2	6
72	Novel Plasma Proteins in Nepalese School-aged Children are Associated with a Small Head Size at Birth. <i>Scientific Reports</i> , 2018, 8, 6390.	3.3	5

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73	Selenium and Sex Steroid Hormones in a U.S. Nationally Representative Sample of Men: A Role for the Link between Selenium and Estradiol in Prostate Carcinogenesis?. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2019, 28, 578-583.	2.5	3
74	Oncogene Activation and Expression during Carcinogenesis in Liver and Pancreas. , 1989, , 399-417.		3
75	Ethnic Variations in Estrogen and Its Metabolites: Sufficient to Explain Differences in Breast Cancer Incidence Rates?. <i>Journal of the National Cancer Institute</i> , 2016, 108, djw223.	6.3	2
76	Ethnic Variations in Estrogen and Its Metabolites: Sufficient to Explain Differences in Breast Cancer Incidence Rates?. <i>Journal of the National Cancer Institute</i> , 2016, 108, djw147.	6.3	2
77	Comitogenic effects of estrogens on DNA synthesis induced by various growth factors in cultured female rat hepatocytes. <i>Hepatology</i> , 1994, 19, 183-192.	7.3	1
78	Inhibition of TGF- $\beta$ 2-induced apoptosis by ethinyl estradiol in cultured, precision cut rat liver slices and hepatocytes. <i>Carcinogenesis</i> , 2000, 21, 1205-1211.	2.8	0
79	Effects of Antenatal Micronutrient Supplementation on Plasma Protein Profiles in Nepalese Children. <i>FASEB Journal</i> , 2013, 27, 1080.7.	0.5	0
80	Growth Stimulation and Tumor Promotion in Rat Liver by Ethynyl Estradiol and Other Estrogens. , 1992, , 130-137.		0