

# William G Helferich

## List of Publications by Year in descending order

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65  
papers

4,901  
citations

117625

34  
h-index

114465

63  
g-index

67  
all docs

67  
docs citations

67  
times ranked

6948  
citing authors

#	ARTICLE	IF	CITATIONS
1	Broad targeting of resistance to apoptosis in cancer. <i>Seminars in Cancer Biology</i> , 2015, 35, S78-S103.	9.6	535
2	Investigating the optimal size of anticancer nanomedicine. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 15344-15349.	7.1	523
3	Equol, a natural estrogenic metabolite from soy isoflavones. <i>Bioorganic and Medicinal Chemistry</i> , 2004, 12, 1559-1567.	3.0	377
4	Dietary Genistein Exerts Estrogenic Effects upon the Uterus, Mammary Gland and the Hypothalamic/Pituitary Axis in Rats. <i>Journal of Nutrition</i> , 1997, 127, 263-269.	2.9	289
5	The Soy Isoflavone Genistein Decreases Adipose Deposition in Mice. <i>Endocrinology</i> , 2003, 144, 3315-3320.	2.8	242
6	Physiological Concentrations of Dietary Genistein Dose-Dependently Stimulate Growth of Estrogen-Dependent Human Breast Cancer (MCF-7) Tumors Implanted in Athymic Nude Mice. <i>Journal of Nutrition</i> , 2001, 131, 2957-2962.	2.9	236
7	Genomic instability in human cancer: Molecular insights and opportunities for therapeutic attack and prevention through diet and nutrition. <i>Seminars in Cancer Biology</i> , 2015, 35, S5-S24.	9.6	231
8	Dietary genistein negates the inhibitory effect of tamoxifen on growth of estrogen-dependent human breast cancer (MCF-7) cells implanted in athymic mice. <i>Cancer Research</i> , 2002, 62, 2474-7.	0.9	173
9	Soy processing influences growth of estrogen-dependent breast cancer tumors. <i>Carcinogenesis</i> , 2004, 25, 1649-1657.	2.8	141
10	Developmental bisphenol A (BPA) exposure leads to sex-specific modification of hepatic gene expression and epigenome at birth that may exacerbate high-fat diet-induced hepatic steatosis. <i>Toxicology and Applied Pharmacology</i> , 2015, 284, 101-112.	2.8	137
11	Effects of dietary daidzein and its metabolite, equol, at physiological concentrations on the growth of estrogen-dependent human breast cancer (MCF-7) tumors implanted in ovariectomized athymic mice. <i>Carcinogenesis</i> , 2006, 27, 856-863.	2.8	134
12	Dietary genistein results in larger MNU-induced, estrogen-dependent mammary tumors following ovariectomy of Sprague-Dawley rats. <i>Carcinogenesis</i> , 2003, 25, 211-218.	2.8	108
13	Genistein stimulates growth of human breast cancer cells in a novel, postmenopausal animal model, with low plasma estradiol concentrations. <i>Carcinogenesis</i> , 2006, 27, 1292-1299.	2.8	104
14	Is Soy Consumption Good or Bad for the Breast?. <i>Journal of Nutrition</i> , 2010, 140, 2326S-2334S.	2.9	98
15	Aptamer-Functionalized, Ultra-Small, Monodisperse Silica Nanoconjugates for Targeted Dual-Modal Imaging of Lymph Nodes with Metastatic Tumors. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 12721-12726.	13.8	96
16	Dietary genistein negates the inhibitory effect of letrozole on the growth of aromatase-expressing estrogen-dependent human breast cancer cells (MCF-7Ca) in vivo. <i>Carcinogenesis</i> , 2008, 29, 2162-2168.	2.8	93
17	Mechanisms enforcing the estrogen receptor $\beta$ selectivity of botanical estrogens. <i>FASEB Journal</i> , 2013, 27, 4406-4418.	0.5	92
18	Pamidronate functionalized nanoconjugates for targeted therapy of focal skeletal malignant osteolysis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E4601-9.	7.1	71

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19	Estrogen receptor $\beta$ inhibitor activates the unfolded protein response, blocks protein synthesis, and induces tumor regression. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 4737-4742.	7.1	66
20	Estrogenicity of the Isoflavone Metabolite Equol on Reproductive and Non-Reproductive Organs in Mice. I. Biology of Reproduction, 2004, 71, 966-972.	2.7	62
21	Soy Processing Affects Metabolism and Disposition of Dietary Isoflavones in Ovariectomized Balb/c Mice. Journal of Agricultural and Food Chemistry, 2005, 53, 8542-8550.	5.2	61
22	Total Synthesis of (S)-Equol. Organic Letters, 2006, 8, 5441-5443.	4.6	59
23	Acute and Chronic Effects of Oral Genistein Administration in Neonatal Mice. I. Biology of Reproduction, 2010, 83, 114-121.	2.7	53
24	Low-dose dietary genistein negates the therapeutic effect of tamoxifen in athymic nude mice. Carcinogenesis, 2012, 33, 895-901.	2.8	52
25	The anticancer potential of steroidal saponin, dioscin, isolated from wild yam ( <i>Dioscorea villosa</i> ) root extract in invasive human breast cancer cell line MDA-MB-231 in vitro. Archives of Biochemistry and Biophysics, 2016, 591, 98-110.	3.0	52
26	Dietary licorice root supplementation reduces diet-induced weight gain, lipid deposition, and hepatic steatosis in ovariectomized mice without stimulating reproductive tissues and mammary gland. Molecular Nutrition and Food Research, 2016, 60, 369-380.	3.3	51
27	In utero growth restriction and catch-up adipogenesis after developmental di (2-ethylhexyl) phthalate exposure cause glucose intolerance in adult male rats following a high-fat dietary challenge. Journal of Nutritional Biochemistry, 2015, 26, 1208-1220.	4.2	49
28	Licorice root components in dietary supplements are selective estrogen receptor modulators with a spectrum of estrogenic and anti-estrogenic activities. Steroids, 2016, 105, 42-49.	1.8	48
29	Lifetime Genistein Intake Increases the Response of Mammary Tumors to Tamoxifen in Rats. Clinical Cancer Research, 2017, 23, 814-824.	7.0	45
30	Absolute Bioavailability of Isoflavones from Soy Protein Isolate-Containing Food in Female Balb/c Mice. Journal of Agricultural and Food Chemistry, 2010, 58, 4529-4536.	5.2	42
31	Effects of chronic estradiol treatment on delayed spatial alternation and differential reinforcement of low rates of responding. Behavioral Neuroscience, 2008, 122, 794-804.	1.2	38
32	Dietary soy isoflavones increase metastasis to lungs in an experimental model of breast cancer with bone micro-tumors. Clinical and Experimental Metastasis, 2015, 32, 323-333.	3.3	38
33	Acute genistein treatment mimics the effects of estradiol by enhancing place learning and impairing response learning in young adult female rats. Hormones and Behavior, 2012, 62, 491-499.	2.1	36
34	Redox-responsive self-assembled chain-shattering polymeric therapeutics. Biomaterials Science, 2015, 3, 1061-1065.	5.4	34
35	Estrogen-independent Myc overexpression confers endocrine therapy resistance on breast cancer cells expressing ER $\beta$ Y537S and ER $\beta$ D538G mutations. Cancer Letters, 2019, 442, 373-382.	7.2	29
36	Genistein exposure inhibits growth and alters steroidogenesis in adult mouse antral follicles. Toxicology and Applied Pharmacology, 2016, 293, 53-62.	2.8	28

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37	Long-term exposure to dietary sources of genistein induces estrogen-independence in the human breast cancer (MCF-7) xenograft model. <i>Molecular Nutrition and Food Research</i> , 2015, 59, 413-423.	3.3	27
38	Impact of dietary genistein and aging on executive function in rats. <i>Neurotoxicology and Teratology</i> , 2010, 32, 200-211.	2.4	26
39	Effects of isoliquiritigenin on ovarian antral follicle growth and steroidogenesis. <i>Reproductive Toxicology</i> , 2016, 66, 107-114.	2.9	26
40	Developmental exposure of California mice to endocrine disrupting chemicals and potential effects on the microbiome-gut-brain axis at adulthood. <i>Scientific Reports</i> , 2020, 10, 10902.	3.3	23
41	Early genistein exposure of California mice and effects on the gut microbiota-brain axis. <i>Journal of Endocrinology</i> , 2019, 242, 139-157.	2.6	21
42	Isoflavones in soy flour diet have different effects on whole-genome expression patterns than purified isoflavone mix in human MCF-7 breast tumors in ovariectomized athymic nude mice. <i>Molecular Nutrition and Food Research</i> , 2015, 59, 1419-1430.	3.3	20
43	Estradiol increases ER-negative breast cancer metastasis in an experimental model. <i>Clinical and Experimental Metastasis</i> , 2013, 30, 711-721.	3.3	18
44	Genistein Reduces the Risk of Local Mammary Cancer Recurrence and Ameliorates Alterations in the Gut Microbiota in the Offspring of Obese Dams. <i>Nutrients</i> , 2021, 13, 201.	4.1	18
45	Effects of multiple daily genistein treatments on delayed alternation and a differential reinforcement of low rates of responding task in middle-aged rats. <i>Neurotoxicology and Teratology</i> , 2012, 34, 187-195.	2.4	17
46	Pharmacokinetics of isoflavones from soy infant formula in neonatal and adult rhesus monkeys. <i>Food and Chemical Toxicology</i> , 2016, 92, 165-176.	3.6	17
47	Disruption of global hypothalamic microRNA (miR) profiles and associated behavioral changes in California mice ( <i>Peromyscus californicus</i> ) developmentally exposed to endocrine disrupting chemicals. <i>Hormones and Behavior</i> , 2021, 128, 104890.	2.1	17
48	The effects of dietary treatment with S-equol on learning and memory processes in middle-aged ovariectomized rats. <i>Neurotoxicology and Teratology</i> , 2014, 41, 80-88.	2.4	16
49	Effects of letrozole on breast cancer micro-metastatic tumor growth in bone and lung in mice inoculated with murine 4T1 cells. <i>Clinical and Experimental Metastasis</i> , 2016, 33, 475-485.	3.3	15
50	Equol inhibits growth, induces atresia, and inhibits steroidogenesis of mouse antral follicles in vitro. <i>Toxicology and Applied Pharmacology</i> , 2016, 295, 47-55.	2.8	13
51	Extract of <i>Ginkgo biloba</i> exacerbates liver metastasis in a mouse colon cancer Xenograft model. <i>BMC Complementary and Alternative Medicine</i> , 2017, 17, 516.	3.7	13
52	Preconception exposure to dietary levels of genistein affects female reproductive outcomes. <i>Reproductive Toxicology</i> , 2017, 74, 174-180.	2.9	10
53	The effects of dietary levels of genistein on ovarian follicle number and gene expression. <i>Reproductive Toxicology</i> , 2018, 81, 132-139.	2.9	10
54	Thermally Abused Frying Oil Potentiates Metastasis to Lung in a Murine Model of Late-Stage Breast Cancer. <i>Cancer Prevention Research</i> , 2019, 12, 201-210.	1.5	9

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55	A chiral pool approach for asymmetric syntheses of both antipodes of equol and sativan. <i>Tetrahedron</i> , 2018, 74, 2020-2029.	1.9	8
56	The effects of the botanical estrogen, isoliquiritigenin on delayed spatial alternation. <i>Neurotoxicology and Teratology</i> , 2018, 66, 55-62.	2.4	7
57	Licorice root components mimic estrogens in an object location task but not an object recognition task. <i>Hormones and Behavior</i> , 2018, 103, 97-106.	2.1	6
58	Iron Fortification of Spiced Vinegar in the Philippines. <i>Journal of Food Science</i> , 2018, 83, 2602-2611.	3.1	4
59	( $\hat{\pm}$ )-Equol does not interact with genistein on estrogen-dependent breast tumor growth. <i>Food and Chemical Toxicology</i> , 2020, 136, 110979.	3.6	4
60	Low calcium diet increases 4T1 mammary tumor carcinoma cell burden and bone pathology in mice. <i>PLoS ONE</i> , 2017, 12, e0180886.	2.5	2
61	Isoliquiritigenin Decreases Bone Resorption and Osteoclast Differentiation. <i>Molecular Nutrition and Food Research</i> , 2022, , 2100974.	3.3	2
62	Effects of Isoliquiritigenin on Bone Metabolism and Uterus in Ovariectomized Rats. <i>Current Developments in Nutrition</i> , 2020, 4, nzaa045_102.	0.3	0
63	Household food security and dietary diversity in the context of an agricultural and market development program in Guatemala. <i>FASEB Journal</i> , 2013, 27, 620.8.	0.5	0
64	Development of a Murine Model of Chemobrain to Evaluate the Efficacy of Nutritional Intervention. <i>FASEB Journal</i> , 2015, 29, 753.12.	0.5	0
65	Epigenetic Modification of the <i>Cpt1a</i> Gene at Birth by Developmental Bisphenol A (BPA) Exposure May Program Microvesicular Steatosis in Adult Male Rats Consuming a High-fat Diet. <i>FASEB Journal</i> , 2015, 29, 889.2.	0.5	0