Carlos Sonnenschein

List of Publications by Year
in descending order

140 papers	13,515 citations	30070 54 h-index	21540 114 g-index
146 all docs	146 docs citations	146 times ranked	10563 citing authors

#	Article	IF	Citations
1	From Evidence of Harm to Public Health Policy: Is There Light at the End of the Tunnel? Response to: â€œUpdate on the Health Effects of bisphenol A: Overwhelming Evidence of Harmâ€• Endocrinology, 2021, 162, .	2.8	0
2	From Wingspread to CLARITY: a personal trajectory. Nature Reviews Endocrinology, 2021, 17, 247-256.	9.6	8
3	The cancer puzzle: Welcome to organicism. Progress in Biophysics and Molecular Biology, 2021, 165, 114-119.	2.9	10
4	Matrix Composition Modulates Vitamin D3's Effects on 3D Collagen Fiber Organization by MCF10A Cells. Tissue Engineering - Part A, 2021, 27, 1399-1410.	3.1	1
5	Information, programme, signal: dead metaphors that negate the agency of organisms. Interdisciplinary Science Reviews, 2020, 45, 331-343.	1.4	6
6	Revisiting D.W. Smithersâ€™s â€œCancer: An Attack on Cytologismâ€•(1962). Biological Theory, 2020, 15, 180-187.	1.5	1
7	Over a century of cancer research: Inconvenient truths and promising leads. PLoS Biology, 2020, 18, e3000670.	5.6	46
8	Vitamin D3 constrains estrogenâ€™s effects and influences mammary epithelial organization in 3D cultures. Scientific Reports, 2019, 9, 7423.	3.3	8
9	Forum: Artificial Intelligence, Artificial Agency and Artificial Life. RUSI Journal, 2019, 164, 120-144.	0.3	2
10	Endocrine disruptors â€" putting the mechanistic cart before the phenomenological horse. Nature Reviews Endocrinology, 2018, 14, 317-318.	9.6	7
11	Characterization of MCF-12A cell phenotype, response to estrogens, and growth in 3D. Cancer Cell International, 2018, 18, 43.	4.1	14
12	An Integrative Approach Toward Biology, Organisms, and Cancer. Methods in Molecular Biology, 2018, 1702, 15-26.	0.9	13
13	Reductionism, Organicism, and Causality in the Biomedical Sciences: A Critique. Perspectives in Biology and Medicine, 2018, 61, 489-502.	0.5	17
14	3D organizational mapping of collagen fibers elucidates matrix remodeling in a hormone-sensitive 3D breast tissue model. Biomaterials, 2018, 179, 96-108.	11.4	28
15	Evidence of Absence: Estrogenicity Assessment of a New Food-Contact Coating and the Bisphenol Used in Its Synthesis. Environmental Science & Technology, 2017, 51, 1718-1726.	10.0	40
16	New insights into fetal mammary gland morphogenesis: differential effects of natural and environmental estrogens. Scientific Reports, 2017, 7, 40806.	3.3	30
17	Overgeneralization by Mesnage et al. Regarding Bisphenol A Alternatives. Toxicological Sciences, 2017, 160, 2-2.	3.1	0
18	The biological default state of cell proliferation with variation and motility, a fundamental principle for a theory of organisms. Progress in Biophysics and Molecular Biology, 2016, 122, 16-23.	2.9	39

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19	Minireview: Endocrine Disruptors: Past Lessons and Future Directions. Molecular Endocrinology, 2016, 30, 833-847.	3.7	201
20	Carcinogenesis explained within the context of a theory of organisms. Progress in Biophysics and Molecular Biology, 2016, 122, 70-76.	2.9	80
21	Toward a theory of organisms: Three founding principles in search of a useful integration. Progress in Biophysics and Molecular Biology, 2016, 122, 77-82.	2.9	38
22	Modeling mammary organogenesis from biological first principles: Cells and their physical constraints. Progress in Biophysics and Molecular Biology, 2016, 122, 58-69.	2.9	43
23	A Hormone-responsive 3D Culture Model of the Human Mammary Gland Epithelium. Journal of Visualized Experiments, 2016, , e53098.	0.3	1
24	SAMA: A Method for 3D Morphological Analysis. PLoS ONE, 2016, 11, e0153022.	2.5	12
25	In search of principles for a Theory of Organisms. Journal of Biosciences, 2015, 40, 955-968.	1.1	48
26	Estrogens in the wrong place at the wrong time: Fetal BPA exposure and mammary cancer. Reproductive Toxicology, 2015, 54, 58-65.	2.9	84
27	Environmental endocrine disruptors: Effects on the human male reproductive system. Reviews in Endocrine and Metabolic Disorders, 2015, 16, 341-357.	5.7	119
28	Rapid three-dimensional quantification of voxel-wise collagen fiber orientation. Biomedical Optics Express, 2015, 6, 2294.	2.9	52
29	DDT, endocrine disruption and breast cancer. Nature Reviews Endocrinology, 2015, 11, 507-508.	9.6	44
30	Cancer Metastases: So Close and So Far. Journal of the National Cancer Institute, 2015, 107, djv236.	6.3	26
31	Dynamic Metabolic Disruption in Rats Perinatally Exposed to Low Doses of Bisphenol-A. PLoS ONE, 2015, 10, e0141698.	2.5	43
32	Prenatal Exposure to BPA Alters the Epigenome of the Rat Mammary Gland and Increases the Propensity to Neoplastic Development. PLoS ONE, 2014, 9, e99800.	2.5	85
33	A novel pathogenic classification of cancers. Cancer Cell International, 2014, 14, 113.	4.1	10
34	Competing views on cancer. Journal of Biosciences, 2014, 39, 281-302.	1.1	49
35	One hundred years of somatic mutation theory of carcinogenesis: Is it time to switch?. BioEssays, 2014, 36, 118-120.	2.5	30
36	Hormonal Regulation of Epithelial Organization in a Three-Dimensional Breast Tissue Culture Model. Tissue Engineering - Part C: Methods, 2014, 20, 42-51.	2.1	23

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37	From Single Cells to Tissues: Interactions between the Matrix and Human Breast Cells in Real Time. PLoS ONE, 2014, 9, e93325.	2.5	39
38	Does Cancer Start in the Womb? Altered Mammary Gland Development and Predisposition to Breast Cancer due to in Utero Exposure to Endocrine Disruptors. Journal of Mammary Gland Biology and Neoplasia, 2013, 18, 199-208.	2.7	138
39	The aging of the 2000 and 2011 Hallmarks of Cancer reviews: A critique. Journal of Biosciences, 2013, 38, 651-663.	1.1	91
40	Paradoxes in Carcinogenesis: There Is Light at the End of That Tunnel!. Disruptive Science and Technology, 2013, 1, 154-156.	1.0	10
41	The male mammary gland: A target for the xenoestrogen bisphenol A. Reproductive Toxicology, 2013, 37, 15-23.	2.9	58
42	Perinatally Administered Bisphenol A as a Potential Mammary Gland Carcinogen in Rats. Environmental Health Perspectives, 2013, 121, 1040-1046.	6.0	149
43	Effects of Low Doses of Bisphenol A on the Metabolome of Perinatally Exposed CD-1 Mice. Environmental Health Perspectives, 2013, 121, 586-593.	6.0	129
44	Low-Dose BPA Exposure Alters the Mesenchymal and Epithelial Transcriptomes of the Mouse Fetal Mammary Gland. PLoS ONE, 2013, 8, e63902.	2.5	75
45	Unanticipated Trends Stemming from Initial Events in the History of Cell Culture: Vitalism in 2013?. History, Philosophy and Theory of the Life Sciences, 2013, , 293-309.	0.4	2
46	Classification of Cancer Genesis. , 2013, , 410-411.		0
47	Cancer Theories. , 2013, , 196-198.		0
48	Dual Regulation of Breast Tubulogenesis Using Extracellular Matrix Composition and Stromal Cells. Tissue Engineering - Part A, 2012, 18, 520-532.	3.1	20
49	Is systems biology a promising approach to resolve controversies in cancer research?. Cancer Cell International, 2012, 12, 12.	4.1	24
50	Bisphenol A alters the development of the rhesus monkey mammary gland. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 8190-8195.	7.1	140
51	Breast epithelial tissue morphology is affected in 3D cultures by speciesâ€specific collagenâ€based extracellular matrix. Journal of Biomedical Materials Research - Part A, 2012, 100A, 2905-2912.	4.0	12
52	Why systems biology and cancer?. Seminars in Cancer Biology, 2011, 21, 147-149.	9.6	6
53	Systems biology and cancer. Progress in Biophysics and Molecular Biology, 2011, 106, 337-339.	2.9	17
54	The effect of stromal components on the modulation of the phenotype of human bronchial epithelial cells in 3D culture. Biomaterials, 2011, 32, 7169-7180.	11.4	46

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55	The Death of the Cancer Cell. Cancer Research, 2011, 71, 4334-4337.	0.9	52
56	The tissue organization field theory of cancer: A testable replacement for the somatic mutation theory. BioEssays, 2011, 33, 332-340.	2.5	261
57	Response to â€œIn defense of the somatic mutation theory of cancerâ€•DOI: 10.1002/bies.201100022. BioEssays, 2011, 33, 657-659.	2.5	9
58	Perinatal Exposure to Environmentally Relevant Levels of Bisphenol A Decreases Fertility and Fecundity in CD-1 Mice. Environmental Health Perspectives, 2011, 119, 547-552.	6.0	181
59	Early Life Exposure to Bisphenol A and Breast Neoplasia. , 2011, , 55-68.		0
60	A complex 3D human tissue culture system based on mammary stromal cells and silk scaffolds for modeling breast morphogenesis and function. Biomaterials, 2010, 31, 3920-3929.	11.4	116
61	The role of collagen reorganization on mammary epithelial morphogenesis in a 3D culture model. Biomaterials, 2010, 31, 3622-3630.	11.4	71
62	Flawed Experimental Design Reveals the Need for Guidelines Requiring Appropriate Positive Controls in Endocrine Disruption Research. Toxicological Sciences, 2010, 115, 612-613.	3.1	72
63	Environmental causes of cancer: endocrine disruptors as carcinogens. Nature Reviews Endocrinology, 2010, 6, 363-370.	9.6	445
64	Bioengineering a complex 3D human breast tissue culture system on silk scaffolds. , 2010, , .		0
65	Why Public Health Agencies Cannot Depend on Good Laboratory Practices as a Criterion for Selecting Data: The Case of Bisphenol A. Environmental Health Perspectives, 2009, 117, 309-315.	6.0	268
66	Preadipocytes Stimulate Ductal Morphogenesis and Functional Differentiation of Human Mammary Epithelial Cells on 3D Silk Scaffolds. Tissue Engineering - Part A, 2009, 15, 3087-3098.	3.1	29
67	Histological analysis of low dose NMU effects in the rat mammary gland. BMC Cancer, 2009, 9, 267.	2.6	16
68	Plausibility of stromal initiation of epithelial cancers without a mutation in the epithelium: a computer simulation of morphostats. BMC Cancer, 2009, 9, 89.	2.6	34
69	Bisphenol-A and the Great Divide: A Review of Controversies in the Field of Endocrine Disruption. Endocrine Reviews, 2009, 30, 75-95.	20.1	1,167
70	Interpreting endocrine disruption from an integrative biology perspective. Molecular and Cellular Endocrinology, 2009, 304, 3-7.	3.2	24
71	Book review of "The estrogen elixir: A history of hormone replacement therapy in America" by Elizabeth Siegel Watkins. Philosophy, Ethics, and Humanities in Medicine, 2008, 3, 1.	1.5	15
72	Neoplasia as development gone awry: the role of endocrine disruptors. Journal of Developmental and Physical Disabilities, 2008, 31, 288-293.	3.6	63

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73	Perinatal exposure to the xenoestrogen bisphenol-A induces mammary intraductal hyperplasias in adult CD-1 mice. Reproductive Toxicology, 2008, 26, 210-219.	2.9	156
74	Cancer development at tissue level. Seminars in Cancer Biology, 2008, 18, 303-304.	9.6	5
75	Theories of carcinogenesis: An emerging perspective. Seminars in Cancer Biology, 2008, 18, 372-377.	9.6	195
76	APRIN is a unique Pds5 paralog with features of a chromatin regulator in hormonal differentiation. Journal of Steroid Biochemistry and Molecular Biology, 2008, 108, 32-43.	2.5	19
77	A Novel 3DIn VitroCulture Model to Study Stromalâ€“Epithelial Interactions in the Mammary Gland. Tissue Engineering - Part C: Methods, 2008, 14, 261-271.	2.1	134
78	Exposure to Environmentally Relevant Doses of the Xenoestrogen Bisphenol-A Alters Development of the Fetal Mouse Mammary Gland. Endocrinology, 2007, 148, 116-127.	2.8	245
79	Prenatal Bisphenol A Exposure Induces Preneoplastic Lesions in the Mammary Gland in Wistar Rats. Environmental Health Perspectives, 2007, 115, 80-86.	6.0	286
80	Perinatal Bisphenol A Exposure Increases Estrogen Sensitivity of the Mammary Gland in Diverse Mouse Strains. Environmental Health Perspectives, 2007, 115, 592-598.	6.0	105
81	Induction of mammary gland ductal hyperplasias and carcinoma in situ following fetal bisphenol A exposure. Reproductive Toxicology, 2007, 23, 383-390.	2.9	284
82	In vitro molecular mechanisms of bisphenol A action. Reproductive Toxicology, 2007, 24, 178-198.	2.9	785
83	Endocrine Disruption and the Female. , 2007, , 9-31.		4
84	Strengths and weaknesses of in vitro assays for estrogenic and androgenic activity. Best Practice and Research in Clinical Endocrinology and Metabolism, 2006, 20, 15-33.	4.7	104
85	Carcinogenesis and Metastasis Now in the Third Dimensionâ€”What's in It for Pathologists?. American Journal of Pathology, 2006, 168, 363-366.	3.8	8
86	The mammary gland response to estradiol: Monotonic at the cellular level, non-monotonic at the tissue-level of organization?. Journal of Steroid Biochemistry and Molecular Biology, 2006, 101, 263-274.	2.5	88
87	Emergentism by default: A view from the bench. SynthÃˆse, 2006, 151, 361-376.	1.1	20
88	And yet another epicycle. BioEssays, 2006, 28, 100-101.	2.5	3
89	Correcting an error. BioEssays, 2006, 28, 227-227.	2.5	7
90	Importance of dosage standardization for interpreting transcriptomal signature profiles: Evidence from studies of xenoestrogens. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 12033-12038.	7.1	60

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91	Emergentism as a default: Cancer as a problem of tissue organization. Journal of Biosciences, 2005, 30, 103-118.	1.1	121
92	Hormone replacement therapy, cancer, controversies, and women's health: historical, epidemiological, biological, clinical, and advocacy perspectives. Journal of Epidemiology and Community Health, 2005, 59, 740-748.	3.7	89
93	Stromal Regulation of Neoplastic Development. American Journal of Pathology, 2005, 167, 1405-1410.	3.8	131
94	Perinatal Exposure to Bisphenol-A Alters Peripubertal Mammary Gland Development in Mice. Endocrinology, 2005, 146, 4138-4147.	2.8	392
95	Long-Term Effects of Fetal Exposure to Low Doses of the Xenoestrogen Bisphenol-A in the Female Mouse Genital Tract1. Biology of Reproduction, 2005, 72, 1344-1351.	2.7	199
96	Androgenic and estrogenic activity in water bodies receiving cattle feedlot effluent in Eastern Nebraska, USA.. Environmental Health Perspectives, 2004, 112, 346-352.	6.0	254
97	The somatic mutation theory of cancer: growing problems with the paradigm?. BioEssays, 2004, 26, 1097-1107.	2.5	254
98	The stroma as a crucial target in rat mammary gland carcinogenesis. Journal of Cell Science, 2004, 117, 1495-1502.	2.0	359
99	Mammalian development in a changing environment: exposure to endocrine disruptors reveals the developmental plasticity of steroid-hormone target organs. Evolution & Development, 2003, 5, 67-75.	2.0	176
100	Characterization of a plasma membrane-resident albumin-binding protein associated with the proliferation of estrogen-target, serum-sensitive cells. Steroids, 2003, 68, 487-496.	1.8	8
101	Endocrine disruptors: from Wingspread to environmental developmental biology. Journal of Steroid Biochemistry and Molecular Biology, 2002, 83, 235-244.	2.5	173
102	Mechanism of Androgen Action on Cell Proliferation: AS3 Protein as a Mediator of Proliferative Arrest in the Rat Prostate. Endocrinology, 2002, 143, 2708-2714.	2.8	10
103	Alkylphenols and Bisphenol A as Environmental Estrogens. , 2001, , 129-153.		17
104	The D13S171 Marker, Misannotated to BRCA2, Links the AS3 Gene to Various Cancers. American Journal of Human Genetics, 2001, 69, 461-463.	6.2	20
105	Identification and characterization of membrane estrogen receptor from MCF7 estrogen-target cells. Journal of Steroid Biochemistry and Molecular Biology, 2001, 77, 97-108.	2.5	58
106	In Utero Exposure to Bisphenol A Alters the Development and Tissue Organization of the Mouse Mammary Gland1. Biology of Reproduction, 2001, 65, 1215-1223.	2.7	360
107	Prenatal Exposure to Low Doses of Bisphenol A Alters the Periductal Stroma and Glandular Cell Function in the Rat Ventral Prostate1. Biology of Reproduction, 2001, 65, 1271-1277.	2.7	129
108	Somatic mutation theory of carcinogenesis: Why it should be dropped and replaced. Molecular Carcinogenesis, 2000, 29, 205-211.	2.7	142

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109	Identification of human estrogen-inducible transcripts that potentially mediate the apoptotic response in breast cancer. Journal of Steroid Biochemistry and Molecular Biology, 2000, 72, 89-102.	2.5	26
110	Comparison of Short-Term Estrogenicity Tests for Identification of Hormone-Disrupting Chemicals. Environmental Health Perspectives, 1999, 107, 89-108.	6.0	374
111	Methods to Screen Estrogen-Agonists and Antagonists. Journal of Medicinal Food, 1999, 2, 139-142.	1.5	6
112	Early gene expression during androgen-induced inhibition of proliferation of prostate cancer cells: a new suppressor candidate on chromosome 13, in the BRCA2-Rb1 locus. Journal of Steroid Biochemistry and Molecular Biology, 1999, 68, 41-50.	2.5	35
113	An updated review of environmental estrogen and androgen mimics and antagonists. Journal of Steroid Biochemistry and Molecular Biology, 1998, 65, 143-150.	2.5	854
114	Developing a Marker of Exposure to Xenoestrogen Mixtures in Human Serum. Environmental Health Perspectives, 1997, 105, 647.	6.0	41
115	Expression of novel genes linked to the androgen-induced, proliferative shutoff in prostate cancer cells. Journal of Steroid Biochemistry and Molecular Biology, 1997, 63, 211-218.	2.5	47
116	Androgen-Induced Inhibition of Proliferation in Human Breast Cancer MCF7 Cells Transfected with Androgen Receptor. Endocrinology, 1997, 138, 1406-1412.	2.8	43
117	Human serum albumin shares the properties of estrocolyone-I, the inhibitor of the proliferation of estrogen-target cells. Journal of Steroid Biochemistry and Molecular Biology, 1996, 59, 147-154.	2.5	53
118	A plasma-borne specific inhibitor of the proliferation of human estrogen-sensitive breast tumor cells (estrocolyone-I). Journal of Steroid Biochemistry and Molecular Biology, 1992, 43, 703-712.	2.5	24
119	Regulation of Cell Proliferation: The Negative Control Perspective. Annals of the New York Academy of Sciences, 1991, 628, 412-418.	3.8	12
120	Cell Proliferation of Estrogen-Sensitive Cells: The Case for Negative Control*. Endocrine Reviews, 1987, 8, 44-52.	20.1	136
121	Effects of interaction between estradiol-17? and progesterone on the proliferation of cloned breast tumor cells (MCF-7 and T47D). Journal of Cellular Physiology, 1985, 124, 386-390.	4.1	26
122	On the role of 17 alpha-estradiol and 17 beta-estradiol in the proliferation of MCF7 and T47D-A11 human breast tumor cells. Journal of Cellular Physiology, 1985, 125, 591-595.	4.1	16
123	Estrogenic effect of tamoxifen and its derivatives on the proliferation of MCF7 human breast tumor cells. Life Sciences, 1985, 37, 387-394.	4.3	12
124	The role of estrogens on the proliferation of human breast tumor cells (MCF-7). The Journal of Steroid Biochemistry, 1985, 23, 87-94.	1.1	231
125	Impact Event at the Cretaceous-Tertiary Boundary: A Possible Site. Science, 1984, 226, 353-353.	12.6	12
126	Estrogen induction of progestophilins in rat estrogen-sensitive cells grown in media supplemented with sera from castrated rats and from rats bearing an Î±-fetoprotein-secreting hepatoma. Experimental Cell Research, 1984, 150, 390-399.	2.6	5

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127	Mechanism of estrogen action on cellular proliferation: Evidence for indirect and negative control on cloned breast tumor cells. Biochemical and Biophysical Research Communications, 1984, 122, 1097-1103.	2.1	72
128	Response : Uncertainty of Histologic Classification of Experimental Tumors. Science, 1984, 226, 353-353.	12.6	2
129	Age-dependent odontogenic lesions in rats after a single i.p. injection of N-nitroso-N-methylurea. Carcinogenesis, 1983, 4, 1085-1088.	2.8	25
130	Alpha-Fetoprotein Serum Levels and the Development of Estrogen-Sensitive Cell Multiplication in the Hamster Uterus. Biology of Reproduction, 1983, 28, 1148-1154.	2.7	10
131	Estrogen receptor levels in estrogen sensitive cells in culture. The Journal of Steroid Biochemistry, 1979, 11, 1185-1190.	1.1	11
132	Growth Inhibition of Estrogen-Sensitive Tumor Cells in Newborn Rats. Probable Role of Alpha-Fetoprotein2. Journal of the National Cancer Institute, 1979, 63, 835-841.	6.3	14
133	Evidence for an unidentified factor from the pituitary gland which affects the steroid metabolism in isolated hepatocytes and hepatoma cells of the rat. Molecular and Cellular Endocrinology, 1978, 10, 249-262.	3.2	11
134	Pituitary uterotrophic effect in the estrogen-dependent growth of the rat uterus. The Journal of Steroid Biochemistry, 1978, 9, 533-537.	1.1	15
135	Feminization of hepatic S metabolism in male rats with a transplanted (MtT/F4). Cell, 1976, 7, 413-417.	28.9	9
136	Estrogen-Binding Parameters of Cytoplasmic and Nuclear Receptors in an Established Rat Endometrial Cell Line and Tumor. Endocrine Research Communications, 1976, 3, 1-19.	0.5	6
137	Cytopathological effects of estradiol on the arcuate nucleus of the female rat. A possible mechanism for pituitary tumorigenesis. American Journal of Anatomy, 1975, 144, 57-87.	1.0	63
138	Binding of ovine 125I-prolactin to cultured anterior pituitary tumour cells and normal cells. Nature, 1975, 255, 636-638.	27.8	23
139	Morphological plasticity in the wall of the third ventricle during the estrous cycle in the rat: A scanning electron microscopic study. The Anatomical Record, 1974, 179, 481-489.	1.8	42
140	KARYOTYPIC AND ENZYMATIC CHARACTERISTICS OF A SOMATIC HYBRID CELL LINE ORIGINATING FROM DWARF HAMSTERS. Genetics, 1969, 62, 379-392.	2.9	7