

Scott M Belcher

List of Publications by Year in descending order

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Version: 2024-02-01

80
papers

6,198
citations

76196

40
h-index

71532

76
g-index

91
all docs

91
docs citations

91
times ranked

6805
citing authors

#	ARTICLE	IF	CITATIONS
1	In vitro molecular mechanisms of bisphenol A action. <i>Reproductive Toxicology</i> , 2007, 24, 178-198.	1.3	785
2	Bisphenol A is released from polycarbonate drinking bottles and mimics the neurotoxic actions of estrogen in developing cerebellar neurons. <i>Toxicology Letters</i> , 2008, 176, 149-156.	0.4	415
3	Why Public Health Agencies Cannot Depend on Good Laboratory Practices as a Criterion for Selecting Data: The Case of Bisphenol A. <i>Environmental Health Perspectives</i> , 2009, 117, 309-315.	2.8	268
4	Non-monotonic dose-response relationships and endocrine disruptors: a qualitative method of assessment. <i>Environmental Health</i> , 2015, 14, 13.	1.7	264
5	Accumulation and Endocrine Disrupting Effects of the Flame Retardant Mixture Firemaster [®] 550 in Rats: An Exploratory Assessment. <i>Journal of Biochemical and Molecular Toxicology</i> , 2013, 27, 124-136.	1.4	222
6	Assessment of bisphenol A released from reusable plastic, aluminium and stainless steel water bottles. <i>Chemosphere</i> , 2011, 85, 943-947.	4.2	182
7	Low dose effects of bisphenol A. <i>Endocrine Disruptors (Austin, Tex)</i> , 2013, 1, e26490.	1.1	174
8	Ontogeny of Rapid Estrogen-Mediated Extracellular Signal-Regulated Kinase Signaling in the Rat Cerebellar Cortex: Potent Nongenomic Agonist and Endocrine Disrupting Activity of the Xenoestrogen Bisphenol A. <i>Endocrinology</i> , 2005, 146, 5388-5396.	1.4	172
9	Defining Hormesis: Evaluation of a Complex Concentration Response Phenomenon. <i>International Journal of Toxicology</i> , 2010, 29, 235-246.	0.6	137
10	Bisphenol A and 17 β -Estradiol Promote Arrhythmia in the Female Heart via Alteration of Calcium Handling. <i>PLoS ONE</i> , 2011, 6, e25455.	1.1	135
11	Time course and manner of Purkinje neuron death following a single ethanol exposure on postnatal day 4 in the developing rat. <i>Neuroscience</i> , 2002, 114, 327-337.	1.1	118
12	The Responsiveness of a Tetracycline-sensitive Expression System Differs in Different Cell Lines. <i>Journal of Biological Chemistry</i> , 1995, 270, 14168-14174.	1.6	109
13	In vitro assessment of human nuclear hormone receptor activity and cytotoxicity of the flame retardant mixture FM 550 and its triarylphosphate and brominated components. <i>Toxicology Letters</i> , 2014, 228, 93-102.	0.4	98
14	Estrogen receptor α immunoreactivity in differentiating cells of the developing rat cerebellum. <i>Journal of Comparative Neurology</i> , 2001, 430, 396-409.	0.9	97
15	Rapid Estrogen Receptor-Mediated Mechanisms Determine the Sexually Dimorphic Sensitivity of Ventricular Myocytes to 17 β -Estradiol and the Environmental Endocrine Disruptor Bisphenol A. <i>Endocrinology</i> , 2012, 153, 712-720.	1.4	95
16	Bisphenol A and cardiometabolic risk factors in obese children. <i>Science of the Total Environment</i> , 2014, 470-471, 726-732.	3.9	88
17	Estrogens and ICI182,780 (Faslodex) Modulate Mitosis and Cell Death in Immature Cerebellar Neurons via Rapid Activation of p44/p42 Mitogen-Activated Protein Kinase. <i>Journal of Neuroscience</i> , 2003, 23, 4984-4995.	1.7	87
18	Immunolocalization of ecto-nucleoside triphosphate diphosphohydrolase 3 in rat brain: Implications for modulation of multiple homeostatic systems including feeding and sleep-wake behaviors. <i>Neuroscience</i> , 2006, 137, 1331-1346.	1.1	86

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19	Elevated levels of per- and polyfluoroalkyl substances in Cape Fear River Striped Bass (Morone tjete) from North Carolina. <i>Environmental Health Perspectives</i> , 2020, 136, 105358.	0.784314	84
20	Splicing defective mutants of the COXII gene of yeast mitochondrial DNA: initial definition of the maturase domain of the group II intron AI2. <i>Nucleic Acids Research</i> , 1994, 22, 2057-2064.	6.5	81
21	CLARITY-BPA academic laboratory studies identify consistent low-dose Bisphenol A effects on multiple organ systems. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2019, 125, 14-31.	1.2	75
22	Flawed Experimental Design Reveals the Need for Guidelines Requiring Appropriate Positive Controls in Endocrine Disruption Research. <i>Toxicological Sciences</i> , 2010, 115, 612-613.	1.4	72
23	Studies of Point Mutants Define Three Essential Paired Nucleotides in the Domain 5 Substructure of a Group II Intron. <i>Molecular and Cellular Biology</i> , 1995, 15, 4479-4488.	1.1	71
24	Impact of Low Dose Oral Exposure to Bisphenol A (BPA) on the Neonatal Rat Hypothalamic and Hippocampal Transcriptome: A CLARITY-BPA Consortium Study. <i>Endocrinology</i> , 2016, 157, 3856-3872.	1.4	71
25	Cloning of a sodium channel alpha subunit from rabbit Schwann cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1995, 92, 11034-11038.	3.3	69
26	Localization of the m2 muscarinic acetylcholine receptor protein and mRNA in cortical neurons of the normal and cholinergically deafferented rhesus monkey. <i>Journal of Comparative Neurology</i> , 1998, 390, 112-132.	0.9	69
27	Rapid Estrogenic Regulation of Extracellular Signal-Regulated Kinase 1/2 Signaling in Cerebellar Granule Cells Involves a G Protein- and Protein Kinase A-Dependent Mechanism and Intracellular Activation of Protein Phosphatase 2A. <i>Endocrinology</i> , 2005, 146, 5397-5406.	1.4	67
28	Bisphenol A Alters Autonomic Tone and Extracellular Matrix Structure and Induces Sex-Specific Effects on Cardiovascular Function in Male and Female CD-1 Mice. <i>Endocrinology</i> , 2015, 156, 882-895.	1.4	60
29	Regulated expression of estrogen receptor α and β mRNA in granule cells during development of the rat cerebellum. <i>Developmental Brain Research</i> , 1999, 115, 57-69.	2.1	53
30	Ethanol-induced alterations of neurotrophin receptor expression on Purkinje cells in the neonatal rat cerebellum. <i>Brain Research</i> , 2002, 924, 71-81.	1.1	53
31	Gestational high-fat diet and bisphenol A exposure heightens mammary cancer risk. <i>Endocrine-Related Cancer</i> , 2017, 24, 365-378.	1.6	53
32	Blockade of Estrogen Receptor Signaling Inhibits Growth and Migration of Medulloblastoma. <i>Endocrinology</i> , 2009, 150, 1112-1121.	1.4	50
33	The estrogenic content of rodent diets, bedding, cages, and water bottles and its effect on bisphenol A studies. <i>Journal of the American Association for Laboratory Animal Science</i> , 2013, 52, 130-41.	0.6	50
34	High-affinity kainate-type ion channels in rat cerebellar granule cells. <i>Journal of Physiology</i> , 1998, 510, 401-420.	1.3	48
35	Early postnatal ethanol exposure selectively decreases BDNF and truncated TrkB-T2 receptor mRNA expression in the rat cerebellum. <i>Molecular Brain Research</i> , 2001, 93, 46-55.	2.5	48
36	Characterization of RNA editing of the glutamate-receptor subunits GluR5 and GluR6 in granule cells during cerebellar development. <i>Molecular Brain Research</i> , 1997, 52, 130-138.	2.5	47

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37	Effects of bisphenol A on incidence and severity of cardiac lesions in the NCTR-Sprague-Dawley rat: A CLARITY-BPA study. <i>Toxicology Letters</i> , 2017, 275, 123-135.	0.4	47
38	Altered expression of Bcl2, Bad and Bax mRNA occurs in the rat cerebellum within hours after ethanol exposure on postnatal day 4 but not on postnatal day 9. <i>Molecular Brain Research</i> , 2004, 129, 124-134.	2.5	43
39	Maternal cadmium exposure in the mouse leads to increased heart weight at birth and programs susceptibility to hypertension in adulthood. <i>Scientific Reports</i> , 2019, 9, 13553.	1.6	43
40	Data integration, analysis, and interpretation of eight academic CLARITY-BPA studies. <i>Reproductive Toxicology</i> , 2020, 98, 29-60.	1.3	42
41	Estrogen-Like Disruptive Effects of Dietary Exposure to Bisphenol A or 17 β -Ethinyl Estradiol in CD1 Mice. <i>International Journal of Toxicology</i> , 2012, 31, 537-550.	0.6	41
42	Rapid signaling mechanisms of estrogens in the developing cerebellum. <i>Brain Research Reviews</i> , 2008, 57, 481-492.	9.1	39
43	A Critical Review and Meta-Analysis of Impacts of Per- and Polyfluorinated Substances on the Brain and Behavior. <i>Frontiers in Toxicology</i> , 2022, 4, 881584.	1.6	37
44	Strain-specific induction of endometrial periglandular fibrosis in mice exposed during adulthood to the endocrine disrupting chemical bisphenol A. <i>Reproductive Toxicology</i> , 2015, 58, 119-130.	1.3	36
45	Impacts of Bisphenol A and Ethinyl Estradiol on Male and Female CD-1 Mouse Spleen. <i>Scientific Reports</i> , 2017, 7, 856.	1.6	34
46	A maturase-encoding group MA intron of yeast mitochondria self-splices in vitro. <i>Nucleic Acids Research</i> , 1992, 20, 1747-1754.	6.5	33
47	Identification of a developmental gradient of estrogen receptor expression and cellular localization in the developing and adult female rat primary somatosensory cortex. <i>Developmental Brain Research</i> , 2001, 129, 39-46.	2.1	32
48	Alterations of cerebellar mRNA specific for BDNF, p75NTR, and TrkB receptor isoforms occur within hours of ethanol administration to 4-day-old rat pups. <i>Developmental Brain Research</i> , 2004, 151, 99-109.	2.1	31
49	Strain specific induction of pyometra and differences in immune responsiveness in mice exposed to 17 β -ethinyl estradiol or the endocrine disrupting chemical bisphenol A. <i>Reproductive Toxicology</i> , 2012, 34, 22-30.	1.3	31
50	Actions of endocrine-disrupting chemicals on stem/progenitor cells during development and disease. <i>Endocrine-Related Cancer</i> , 2014, 21, T1-T12.	1.6	31
51	Simplified serum- and steroid-free culture conditions for high-throughput viability analysis of primary cultures of cerebellar granule neurons. <i>Journal of Neuroscience Methods</i> , 2001, 110, 45-55.	1.3	30
52	Rapid Characterization of Human Serum Albumin Binding for Per- and Polyfluoroalkyl Substances Using Differential Scanning Fluorimetry. <i>Environmental Science & Technology</i> , 2021, 55, 12291-12301.	4.6	30
53	Key Characteristics of Cardiovascular Toxicants. <i>Environmental Health Perspectives</i> , 2021, 129, 95001.	2.8	30
54	Inhibition of Stathmin1 Accelerates the Metastatic Process. <i>Cancer Research</i> , 2012, 72, 5407-5417.	0.4	28

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55	Utilizing Pine Needles to Temporally and Spatially Profile Per- and Polyfluoroalkyl Substances (PFAS). <i>Environmental Science & Technology</i> , 2022, 56, 3441-3451.	4.6	26
56	Estrogen Receptor- $\hat{1}^2$ Up-Regulates IGF1R Expression and Activity to Inhibit Apoptosis and Increase Growth of Medulloblastoma. <i>Endocrinology</i> , 2015, 156, 2395-2408.	1.4	25
57	Rapid Signaling Actions of Environmental Estrogens in Developing Granule Cell Neurons Are Mediated by Estrogen Receptor $\hat{1}^2$. <i>Endocrinology</i> , 2010, 151, 5689-5699.	1.4	23
58	A New Sodium Channel $\hat{1}\pm$ -Subunit Gene (Scn9a) from Schwann Cells Maps to theScn1a, Scn2a, Scn3aCluster of Mouse Chromosome 2. <i>Genomics</i> , 1996, 36, 202-205.	1.3	21
59	Gestational Cd Exposure in the CD-1 Mouse Induces Sex-Specific Hepatic Insulin Insensitivity, Obesity, and Metabolic Syndrome in Adult Female Offspring. <i>Toxicological Sciences</i> , 2020, 178, 264-280.	1.4	20
60	Duality of estrogen receptor $\hat{1}^2$ action in cancer progression. <i>Current Opinion in Pharmacology</i> , 2018, 41, 66-73.	1.7	19
61	Estrogen receptor expression in a human primitive neuroectodermal tumor cell line from the cerebral cortex: estrogen stimulates rapid ERK1/2 activation and receptor-dependent cell migration. <i>Biochemical and Biophysical Research Communications</i> , 2004, 319, 753-758.	1.0	18
62	Mutant alleles of the MRS2 gene of yeast nuclear DNA suppress mutations in the catalytic core of a mitochondrial group II intron 1 1Edited by J. Karn. <i>Journal of Molecular Biology</i> , 1998, 282, 525-541.	2.0	17
63	Elevated metabolites of acetaminophen in cord blood of children with obesity. <i>Pediatric Obesity</i> , 2019, 14, e12465.	1.4	15
64	Estrogen regulates GFAP-expression in specific subnuclei of the female rat interpeduncular nucleus: a potential role for estrogen receptor $\hat{1}^2$. <i>Brain Research</i> , 2002, 958, 488-496.	1.1	14
65	Spatial, temporal, and cellular distribution of the activated extracellular signal regulated kinases 1 and 2 in the developing and mature rat cerebellum. <i>Developmental Brain Research</i> , 2004, 150, 199-209.	2.1	14
66	Estrogen and soy isoflavonoids decrease sensitivity of medulloblastoma and central nervous system primitive neuroectodermal tumor cells to chemotherapeutic cytotoxicity. <i>BMC Pharmacology & Toxicology</i> , 2017, 18, 63.	1.0	11
67	Endocrine Disruption and Reproductive Pathology. <i>Toxicologic Pathology</i> , 2019, 47, 1049-1071.	0.9	11
68	Classical nuclear hormone receptor activity as a mediator of complex concentration response relationships for endocrine active compounds. <i>Current Opinion in Pharmacology</i> , 2014, 19, 112-119.	1.7	9
69	Heterozygous mutation of sonic hedgehog receptor (Ptch1) drives cerebellar overgrowth and sex-specifically alters hippocampal and cortical layer structure, activity, and social behavior in female mice. <i>Neurotoxicology and Teratology</i> , 2020, 78, 106866.	1.2	8
70	Blockade of estrogen receptor signaling to improve outlook for medulloblastoma sufferers. <i>Future Oncology</i> , 2009, 5, 751-754.	1.1	7
71	Detection of Purkinje cell loss following drug exposures to developing rat pups using reverse transcriptase-polymerase chain reaction (RT-PCR) analysis for calbindin-D28k mRNA expression. <i>Toxicology Letters</i> , 2004, 150, 325-334.	0.4	4
72	Good Laboratory Practices: Myers et al. Respond. <i>Environmental Health Perspectives</i> , 2009, 117, .	2.8	4

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73	Gestational Cd Exposure in the CD-1 Mouse Sex-Specifically Disrupts Essential Metal Ion Homeostasis. <i>Toxicological Sciences</i> , 2022, , .	1.4	3
74	Cloning of the cDNA encoding the sodium channel β 1 subunit from rabbit. <i>Gene</i> , 1996, 170, 285-286.	1.0	2
75	Effects of whole life exposure to Bisphenol A or 17 β -ethinyl estradiol in uterus of nulligravida CD1 mice. <i>Data in Brief</i> , 2015, 5, 948-953.	0.5	2
76	Response to the Letter by Gallo D., et al. <i>Endocrinology</i> , 2015, 156, L8-L9.	1.4	1
77	Editorial overview: Endocrine and metabolic diseases: Conversations on endocrine disruptors “rising above the din. <i>Current Opinion in Pharmacology</i> , 2014, 19, vi-vii.	1.7	0
78	New Master of Science program emphasizing Safety Pharmacology“Results to date. <i>Journal of Pharmacological and Toxicological Methods</i> , 2015, 75, 191-192.	0.3	0
79	Landmark Endocrine-Disrupting Compounds of the Past and Present. , 2017, , .		0
80	Abstract 4826: Maternal high butter fat intake heightens mammary cancer risk in offsprings gestationally exposed to bisphenol A at environmentally relevant dose. , 2017, , .		0