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Publication Title	Authors	Journal (Pub date)	Volume/Page	PubMed L
2,3,7,8-Tetrachlorodibenzo-p-dioxin blocks androgen-dependent cell proliferation of LNCaP cells thro ...	Barnes-Ellerbe, Sonya; Knudsen, Karen E; Puga, Alvaro	Mol Pharmacol (2004 Sep)	66 / 502-11	PubMed Citation
Activation of mitogen-activated protein kinases (MAPKs) by aromatic hydrocarbons: role in the regula ...	Tan, Zongqing; Chang, Xiaoqing; Puga, Alvaro; Xia, Ying	Biochem Pharmacol (2002 Sep)	64 / 771-80	PubMed Citation
Ah Receptor Activation by Dioxin Disrupts Activin, BMP, and WNT Signals During the Early Differentia ...	Wang, Qin; Kurita, Hisaka; Carreira, Vinicius; Ko, Chia-I; Fan, Yunxia; Zhang, Xiang; Biesiada, Jacek; Medvedovic, Mario; Puga, Alvaro	Toxicol Sci (2016 Feb)	149 / 346-57	PubMed Citation
Ah Receptor Signaling Controls the Expression of Cardiac Development and Homeostasis Genes.	Carreira, Vinicius S; Fan, Yunxia; Wang, Qing; Zhang, Xiang; Kurita, Hisaka; Ko, Chia-I; Naticchioni, Mindi; Jiang, Min; Koch, Sheryl; Medvedovic, Mario; Xia, Ying; Rubinstein, Jack; Puga, Alvaro	Toxicol Sci (2015 Oct)	147 / 425-35	PubMed Citation
Arsenic co-exposure potentiates benzo[a]pyrene genotoxicity.	Maier, Andrew; Schumann, Brenda L; Chang, Xiaoqing; Talaska, Glenn; Puga, Alvaro	Mutat Res (2002 May 27)	517 / 101-11	PubMed Citation
Arsenic toxicology: translating between experimental models and human pathology.	States, J Christopher; Barchowsky, Aaron; Cartwright, Iain L; Reichard, John F; Futscher, Bernard W; Lantz, R Clark	Environ Health Perspect (2011 Oct)	119 / 1356-63	PubMed Citation

Arsenite-induced aryl hydrocarbon receptor nuclear translocation results in additive induction of ph ...	Kann, Simone; Huang, Ming-Ya; Estes, Cameron; Reichard, John F; Sartor, Maureen A; Xia, Ying; Puga, Alvaro	Mol Pharmacol (2005 Aug)	68 / 336-46	PubMed Citation
Aryl hydrocarbon receptor ligands of widely different toxic equivalency factors induce similar histo ...	Ovesen, Jerald L; Schnekenburger, Michael; Puga, Alvaro	Toxicol Sci (2011 May)	121 / 123-31	PubMed Citation
BACH1 is a specific repressor of HMOX1 that is inactivated by arsenite.	Reichard, John F; Sartor, Maureen A; Puga, Alvaro	J Biol Chem (2008 Aug 15)	283 / 22363-70	PubMed Citation
Butylhydroquinone protects cells genetically deficient in glutathione biosynthesis from arsenite-ind ...	Kann, Simone; Estes, Cameron; Reichard, John F; Huang, Ming-Ya; Sartor, Maureen A; Schwemberger, Sandy; Chen, Ying; Dalton, Timothy P; Shertzer, Howard G; Xia, Ying; Puga, Alvaro	Toxicol Sci (2005 Oct)	87 / 365-84	PubMed Citation
Chromium cross-links histone deacetylase 1-DNA methyltransferase 1 complexes to chromatin, inhibitin ...	Schnekenburger, Michael; Talaska, Glenn; Puga, Alvaro	Mol Cell Biol (2007 Oct)	27 / 7089-101	PubMed Citation
Different global gene expression profiles in benzo[a]pyrene- and dioxin-treated vascular smooth musc ...	Karyala, Saikumar; Guo, Junhai; Sartor, Maureen; Medvedovic, Mario; Kann, Simone; Puga, Alvaro; Ryan, Patrick; Tomlinson, Craig R	Cardiovasc Toxicol (2004)	4 / 47-73	PubMed Citation
Dioxin exposure disrupts the differentiation of mouse embryonic stem cells into cardiomyocytes.	Wang, Ying; Fan, Yunxia; Puga, Alvaro	Toxicol Sci (2010 May)	115 / 225-37	PubMed Citation
Dioxin exposure is an environmental risk factor for ischemic heart disease.	Dalton, T P; Kerzee, J K; Wang, B; Miller, M; Dieter, M Z; Lorenz, J N; Shertzer, H G; Nerbert, D W; Puga, A	Cardiovasc Toxicol (2001)	1 / 285-98	PubMed Citation

Disruption of Ah Receptor Signaling during Mouse Development Leads to Abnormal Cardiac Structure and ...	Carreira, Vinicius S; Fan, Yunxia; Kurita, Hisaka; Wang, Qin; Ko, Chia-I; Naticchioni, Mindi; Jiang, Min; Koch, Sheryl; Zhang, Xiang; Biesiada, Jacek; Medvedovic, Mario; Xia, Ying; Rubinstein, Jack; Puga, Alvaro	PLoS One (2015)	10 / e0142440	PubMed Citation
Disruption of aryl hydrocarbon receptor homeostatic levels during embryonic stem cell differentiatio ...	Wang, Qin; Chen, Jing; Ko, Chia-I; Fan, Yunxia; Carreira, Vinicius; Chen, Yinglei; Xia, Ying; Medvedovic, Mario; Puga, Alvaro	Environ Health Perspect (2013 Nov-Dec)	121 / 1334-43	PubMed Citation
Distinct contributions of JNK and p38 to chromium cytotoxicity and inhibition of murine embryonic st ...	Chen, Liang; Ovesen, Jerald L; Puga, Alvaro; Xia, Ying	Environ Health Perspect (2009 Jul)	117 / 1124-30	PubMed Citation
Effects of arsenic exposure on DNA methylation and epigenetic gene regulation.	Reichard, John F; Puga, Alvaro	Epigenomics (2010 Feb)	2 / 87-104	PubMed Citation
Formaldehyde-Assisted Isolation of Regulatory Elements (FAIRE) analysis uncovers broad changes in ch ...	Ovesen, Jerald L; Fan, Yunxia; Zhang, Xiang; Chen, Jing; Medvedovic, Mario; Xia, Ying; Puga, Alvaro	PLoS One (2014)	9 / e97849	PubMed Citation
Gene expression profiles of mouse aorta and cultured vascular smooth muscle cells differ widely, yet ...	Puga, Alvaro; Sartor, Maureen A; Huang, Ming-Ya; Kerzee, J Kevin; Wei, Yu-Dan; Tomlinson, Craig R; Baxter, C Stuart; Medvedovic, Mario	Cardiovasc Toxicol (2004)	4 / 385-404	PubMed Citation
Genomewide analysis of aryl hydrocarbon receptor binding targets reveals an extensive array of gene ...	Sartor, Maureen A; Schnekenburger, Michael; Marlowe, Jennifer L; Reichard, John F; Wang, Ying; Fan, Yunxia; Ma, Ci; Karyala, Saikumar; Halbleib, Danielle; Liu, Xiangdong; Medvedovic, Mario; Puga, Alvaro	Environ Health Perspect (2009 Jul)	117 / 1139-46	PubMed Citation

HDAC1 bound to the Cyp1a1 promoter blocks histone acetylation associated with Ah receptor-mediated t ...	Schnekenburger, Michael; Peng, Li; Puga, Alvaro	Biochim Biophys Acta (2007 Sep-Oct)	1769 / 569-78	PubMed Citation
Heme oxygenase-1 induction by NRF2 requires inactivation of the transcriptional repressor BACH1.	Reichard, John F; Motz, Gregory T; Puga, Alvaro	Nucleic Acids Res (2007)	35 / 7074-86	PubMed Citation
Induction of cellular oxidative stress by aryl hydrocarbon receptor activation.	Dalton, Timothy P; Puga, Alvaro; Shertzer, Howard G	Chem Biol Interact (2002 Sep 20)	141 / 77-95	PubMed Citation
Induction of oxidative stress responses by dioxin and other ligands of the aryl hydrocarbon receptor ...	Reichard, John F; Dalton, Timothy P; Shertzer, Howard G; Puga, Alvaro	Dose Response ()	3 / 306-31	PubMed Citation
Lead induces similar gene expression changes in brains of gestationally exposed adult mice and in ne ...	Sanchez-Martin, Francisco Javier; Fan, Yunxia; Lindquist, Diana M; Xia, Ying; Puga, Alvaro	PLoS One (2013)	8 / e80558	PubMed Citation
Ligand-independent regulation of transforming growth factor beta1 expression and cell cycle progress ...	Chang, Xiaoqing; Fan, Yunxia; Karyala, Saikumar; Schwemberger, Sandy; Tomlinson, Craig R; Sartor, Maureen A; Puga, Alvaro	Mol Cell Biol (2007 Sep)	27 / 6127-39	PubMed Citation
Long term low-dose arsenic exposure induces loss of DNA methylation.	Reichard, John F; Schnekenburger, Michael; Puga, Alvaro	Biochem Biophys Res Commun (2007 Jan 5)	352 / 188-92	PubMed Citation
Long-term Coexposure to Hexavalent Chromium and B[a]P Causes Tissue-Specific Differential Biological ...	Sánchez-Martín, Francisco Javier; Fan, Yunxia; Carreira, Vinicius; Ovesen, Jerald L; Vonhandorf, Andrew; Xia, Ying; Puga, Alvaro	Toxicol Sci (2015 Jul)	146 / 52-64	PubMed Citation
Long-term exposure to hexavalent chromium inhibits expression of tumor suppressor genes in cultured ...	Fan, Yunxia; Ovesen, Jerald L; Puga, Alvaro	J Trace Elem Med Biol (2012 Jun)	26 / 188-91	PubMed Citation
Long-term exposure to low-concentrations of Cr(VI) induce DNA damage and disrupt the transcriptional ...	Ovesen, Jerald L; Fan, Yunxia; Chen, Jing; Medvedovic, Mario; Xia, Ying; Puga, Alvaro	Toxicology (2014 Feb 28)	316 / 14-24	PubMed Citation
Perspectives on the potential involvement of the AH receptor-dioxin axis in cardiovascular disease.	Puga, Alvaro	Toxicol Sci (2011 Apr)	120 / 256-61	PubMed Citation

Pluripotency factors and Polycomb Group proteins repress aryl hydrocarbon receptor expression in mur ...	Ko, Chia-I; Wang, Qin; Fan, Yunxia; Xia, Ying; Puga, Alvaro	Stem Cell Res (2014 Jan)	12 / 296-308	PubMed Citation
Recruitment of CREB1 and histone deacetylase 2 (HDAC2) to the mouse Ltbp-1 promoter regulates its co ...	Gomez-Duran, Aurea; Ballestar, Esteban; Carvajal-Gonzalez, Jose M; Marlowe, Jennifer L; Puga, Alvaro; Esteller, Manel; Fernandez-Salguero, Pedro M	J Mol Biol (2008 Jun 27)	380 / 1-16	PubMed Citation
Repression of Ah receptor and induction of transforming growth factor-beta genes in DEN-induced mous ...	Peng, Li; Mayhew, Christopher N; Schnekenburger, Michael; Knudsen, Erik S; Puga, Alvaro	Toxicology (2008 Apr 18)	246 / 242-7	PubMed Citation
Role of the aryl hydrocarbon receptor in cell cycle regulation.	Puga, Alvaro; Xia, Ying; Elferink, Cornelis	Chem Biol Interact (2002 Sep 20)	141 / 117-30	PubMed Citation
The Ah receptor recruits IKKα to its target binding motifs to phosphorylate serine-10 in histone H3 ...	Kurita, Hisaka; Schnekenburger, Michael; Ovesen, Jerald L; Xia, Ying; Puga, Alvaro	Toxicol Sci (2014 May)	139 / 121-32	PubMed Citation
The aryl hydrocarbon receptor binds to E2F1 and inhibits E2F1-induced apoptosis.	Marlowe, Jennifer L; Fan, Yunxia; Chang, Xiaoqing; Peng, Li; Knudsen, Erik S; Xia, Ying; Puga, Alvaro	Mol Biol Cell (2008 Aug)	19 / 3263-71	PubMed Citation
The aryl hydrocarbon receptor cross-talks with multiple signal transduction pathways.	Puga, Alvaro; Ma, Ci; Marlowe, Jennifer L	Biochem Pharmacol (2009 Feb 15)	77 / 713-22	PubMed Citation
The aryl hydrocarbon receptor functions as a tumor suppressor of liver carcinogenesis.	Fan, Yunxia; Boivin, Gregory P; Knudsen, Erik S; Nebert, Daniel W; Xia, Ying; Puga, Alvaro	Cancer Res (2010 Jan 1)	70 / 212-20	PubMed Citation