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Publication Title	Authors	Journal (Pub date)	Volume/Page	PubMed Link
"Turn-on" protein fluorescence: in situ formation of cyanine dyes.	Yapici, Ipek; Lee, Kin Sing Stephen; Berbasova, Tetyana; Nosrati, Meisam; Jia, Xiaofei; Vasileiou, Chrysoula; Wang, Wenjing; Santos, Elizabeth M; Geiger, James H; Borhan, Babak	J Am Chem Soc (2015 Jan 28)	137 / 1073-80	PubMed Citation
12(R)-Hydroxy-5(Z),8(Z),10(E),14(Z)-eicosatetraenoic acid [12(R)-HETE], an arachidonic acid derivati ...	Chiaro, Christopher R; Patel, Rushang D; Perdew, Gary H	Mol Pharmacol (2008 Dec)	74 / 1649-56	PubMed Citation
14-3-3 proteins as signaling integration points for cell cycle control and apoptosis.	Gardino, Alexandra K; Yaffe, Michael B	Semin Cell Dev Biol (2011 Sep)	22 / 688-95	PubMed Citation
14-3-3 proteins, FHA domains and BRCT domains in the DNA damage response.	Mohammad, Duaa H; Yaffe, Michael B	DNA Repair (Amst) (2009 Sep 2)	8 / 1009-17	PubMed Citation
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
2,3,7,8-Tetrachlorodibenzo-p-dioxin-induced MUC5AC expression: aryl hydrocarbon receptor-independent ...	Lee, Yong C; Oslund, Karen L; Thai, Philip; Velichko, Sharlene; Fujisawa, Tomoyuki; Duong, Trang; Denison, Michael S; Wu, Reen	Am J Respir Cell Mol Biol (2011 Aug)	45 / 270-6	PubMed Citation
5'-3'-UTR interactions regulate p53 mRNA translation and provide a target for modulating p53 inducti ...	Chen, Jing; Kastan, Michael B	Genes Dev (2010 Oct 1)	24 / 2146-56	PubMed Citation
A 50-kDa cytosolic protein complexed with the 90-kDa heat shock protein (hsp90) is the same protein ...	Whitelaw, M L; Hutchison, K; Perdew, G H	J Biol Chem (1991 Sep 5)	266 / 16436-40	PubMed Citation
A critical role for MAP kinases in the control of Ah receptor complex activity.	Tan, Zongqing; Huang, Mingya; Puga, Alvaro; Xia, Ying	Toxicol Sci (2004 Nov)	82 / 80-7	PubMed Citation
A dynamic role for the Ah receptor in cell signaling? Insights from a diverse group of Ah receptor i ...	Carlson, David B; Perdew, Gary H	J Biochem Mol Toxicol (2002)	16 / 317-25	PubMed Citation
A mammalian cell cycle checkpoint pathway utilizing p53 and GADD45 is defective in ataxia-telangiect ...	Kastan, M B; Zhan, Q; el-Deiry, W S; Carrier, F; Jacks, T; Walsh, W V; Plunkett, B S; Vogelstein, B; Fornace Jr, A J	Cell (1992 Nov 13)	71 / 587-97	PubMed Citation

A mitotic phosphorylation feedback network connects Cdk1, Plk1, 53BP1, and Chk2 to inactivate the G(...	van Vugt, Marcel A T M; Gardino, Alexandra K; Linding, Rune; Ostheimer, Gerard J; Reinhardt, H Christian; Ong, Shao-En; Tan, Chris S; Miao, Hua; Keezer, Susan M; Li, Jeijin; Pawson, Tony; Lewis, Timothy A; Carr, Steven A; Smerdon, Stephen J; Brummelkamp, Thijn R; Yaffe, Michael B	PLoS Biol (2010 Jan 26)	8 / e1000287	PubMed Citation
A model of protein targeting mediated by immunophilins and other proteins that bind to hsp90 via tet ...	Owens-Grillo, J K; Czar, M J; Hutchison, K A; Hoffmann, K; Perdew, G H; Pratt, W B	J Biol Chem (1996 Jun 7)	271 / 13468-75	PubMed Citation
A Multivariate Computational Method to Analyze High-Content RNAi Screening Data.	Rameseder, Jonathan; Krismer, Konstantin; Dayma, Yogesh; Ehrenberger, Tobias; Hwang, Mun Kyung; Airoldi, Edoardo M; Floyd, Scott R; Yaffe, Michael B	J Biomol Screen (2015 Sep)	20 / 985-97	PubMed Citation
A nanoparticle-based combination chemotherapy delivery system for enhanced tumor killing by dynamic ...	Morton, Stephen W; Lee, Michael J; Deng, Zhou J; Dreaden, Erik C; Siouve, Elise; Shopsowitz, Kevin E; Shah, Nisarg J; Yaffe, Michael B; Hammond, Paula T	Sci Signal (2014 May 13)	7 / ra44	PubMed Citation
A new cross-talk between the aryl hydrocarbon receptor and RelB, a member of the NF-kappaB family.	Vogel, Christoph F A; Matsumura, Fumio	Biochem Pharmacol (2009 Feb 15)	77 / 734-45	PubMed Citation
A novel prenylflavone restricts breast cancer cell growth through AhR-mediated destabilization of ER ...	Tiong, Chi Tze; Chen, Chen; Zhang, Shi Jun; Li, Jun; Soshilov, Anatoly; Denison, Michael S; Lee, Lawrence Soon-U; Tam, Vincent H; Wong, Shih Peng; Xu, H Eric; Yong, Eu-Leong	Carcinogenesis (2012 May)	33 / 1089-97	PubMed Citation
A Pleiotropic RNA-Binding Protein Controls Distinct Cell Cycle Checkpoints to Drive Resistance of p5 ...	Cannell, Ian G; Merrick, Karl A; Morandell, Sandra; Zhu, Chang-Qi; Braun, Christian J; Grant, Robert A; Cameron, Eleanor R; Tsao, Ming-Sound; Hemann, Michael T;	Cancer Cell (2015 Nov 09)	28 / 623-37	PubMed Citation

	Yaffe, Michael B			
A reversible gene-targeting strategy identifies synthetic lethal interactions between MK2 and p53 in ...	Morandell, Sandra; Reinhardt, H Christian; Cannell, Ian G; Kim, Jacob S; Ruf, Daniela M; Mitra, Tanya; Couvillon, Anthony D; Jacks, Tyler; Yaffe, Michael B	Cell Rep (2013 Nov 27)	5 / 868-77	PubMed Citation
A role for DNA polymerase θ in promoting replication through oxidative DNA lesion, thymine glycol, i ...	Yoon, Jung-Hoon; Roy Choudhury, Jayati; Park, Jeseong; Prakash, Satya; Prakash, Louise	J Biol Chem (2014 May 09)	289 / 13177-85	PubMed Citation
A Structural Switch between Agonist and Antagonist Bound Conformations for a Ligand-Optimized Model ...	Perkins, Arden; Phillips, Jessica L; Kerkvliet, Nancy I; Tanguay, Robert L; Perdew, Gary H; Kolluri, Siva K; Bisson, William H	Biology (Basel) (2014)	3 / 645-69	PubMed Citation
A tetratricopeptide repeat half-site in the aryl hydrocarbon receptor is important for DNA binding a ...	Levine, S L; Petrulis, J R; Dubil, A; Perdew, G H	Mol Pharmacol (2000 Dec)	58 / 1517-24	PubMed Citation
AATF/Che-1 acts as a phosphorylation-dependent molecular modulator to repress p53-driven apoptosis.	Höpker, Katja; Hagmann, Henning; Khurshid, Safiya; Chen, Shuhua; Hasskamp, Pia; Seeger-Nukpezah, Tamina; Schilberg, Katharina; Heukamp, Lukas; Lamkemeyer, Tobias; Sos, Martin L; Thomas, Roman K; Lowery, Drew; Roels, Frederik; Fischer, Matthias; Liebau, Max C; Resch, Ulrike; Kisner, Tülay; Röther, Fabian; Bartram, Malte P; Müller, Roman Ulrich; Fabretti, Francesca; Kurschat, Peter; Schumacher, Björn; Gaestel, Matthias; Medema, René H; Yaffe, Michael B; Schermer, Bernhard; Reinhardt, H Christian; Benzing, Thomas	EMBO J (2012 Oct 17)	31 / 3961-75	PubMed Citation

Activation of aryl hydrocarbon receptor by TCDD prevents diabetes in NOD mice and increases Foxp3+ T ...	Kerkvliet, Nancy I; Steppan, Linda B; Vorachek, William; Oda, Shannon; Farrer, David; Wong, Carmen P; Pham, Duy; Mourich, Dan V	Immunotherapy (2009 Jul)	1 / 539-47	PubMed Citation
Activation of aryl hydrocarbon receptor induces vascular inflammation and promotes atherosclerosis i ...	Wu, Dalei; Nishimura, Noriko; Kuo, Victoria; Fiehn, Oliver; Shahbaz, Sevini; Van Winkle, Laura; Matsumura, Fumio; Vogel, Christoph Franz Adam	Arterioscler Thromb Vasc Biol (2011 Jun)	31 / 1260-7	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
Activation of the Ah receptor by extracts of dietary herbal supplements, vegetables, and fruits.	Jeuken, Anoek; Keser, Bart J G; Khan, Elaine; Brouwer, Abraham; Koeman, Jan; Denison, Michael S	J Agric Food Chem (2003 Aug 27)	51 / 5478-87	PubMed Citation
Activation of the Ah receptor by tryptophan and tryptophan metabolites.	Heath-Pagliuso, S; Rogers, W J; Tullis, K; Seidel, S D; Cenijn, P H; Brouwer, A; Denison, M S	Biochemistry (1998 Aug 18)	37 / 11508-15	PubMed Citation
Activation of the Ah receptor signal transduction pathway by bilirubin and biliverdin.	Phelan, D; Winter, G M; Rogers, W J; Lam, J C; Denison, M S	Arch Biochem Biophys (1998 Sep 1)	357 / 155-63	PubMed Citation
Activation of the Ah receptor signaling pathway by prostaglandins.	Seidel, S D; Winters, G M; Rogers, W J; Ziccardi, M H; Li, V; Keser, B; Denison, M S	J Biochem Mol Toxicol (2001)	15 / 187-96	PubMed Citation
Activation of the Aryl Hydrocarbon Receptor by 10-Cl-BBQ Prevents Insulitis and Effector T Cell Deve ...	Ehrlich, Allison K; Pennington, Jamie M; Wang, Xisheng; Rohlman, Diana; Punj, Sumit; Löhr, Christiane V; Newman, Matthew T; Kolluri, Siva K; Kerkvliet, Nancy I	J Immunol (2016 Jan 1)	196 / 264-73	PubMed Citation
Activation of the aryl hydrocarbon receptor by structurally diverse exogenous and endogenous chemica ...	Denison, Michael S; Nagy, Scott R	Annu Rev Pharmacol Toxicol (2003)	43 / 309-34	PubMed Citation
Activation of the aryl hydrocarbon receptor by the widely used Src family kinase inhibitor 4-amino-5 ...	Frauenstein, Katrin; Tigges, Julia; Soshilov, Anatoly A; Kado, Sarah; Raab, Nadeshda; Fritsche, Ellen; Haendeler, Judith; Denison,	Arch Toxicol (2015 Aug)	89 / 1329-36	PubMed Citation

	Michael S; Vogel, Christoph F A; Haarmann-Stemmann, Thomas			
Activation of the ATM kinase by ionizing radiation and phosphorylation of p53.	Canman, C E; Lim, D S; Cimprich, K A; Taya, Y; Tamai, K; Sakaguchi, K; Appella, E; Kastan, M B; Siliciano, J D	Science (1998 Sep 11)	281 / 1677-9	PubMed Citation
Activation of the yeast Hippo pathway by phosphorylation-dependent assembly of signaling complexes.	Rock, Jeremy M; Lim, Daniel; Stach, Lasse; Ogrodowicz, Roksana W; Keck, Jamie M; Jones, Michele H; Wong, Catherine C L; Yates 3rd, John R; Winey, Mark; Smerdon, Stephen J; Yaffe, Michael B; Amon, Angelika	Science (2013 May 17)	340 / 871-5	PubMed Citation
Activation of transcription factors activator protein-1 and nuclear factor-kappaB by 2,3,7,8-tetrach ...	Puga, A; Barnes, S J; Chang, C; Zhu, H; Nephew, K P; Khan, S A; Shertzer, H G	Biochem Pharmacol (2000 Apr 15)	59 / 997-1005	PubMed Citation
Adaptation of the human aryl hydrocarbon receptor to sense microbiota-derived indoles.	Hubbard, Troy D; Murray, Iain A; Bisson, William H; Lahoti, Tejas S; Gowda, Krishne; Amin, Shantu G; Patterson, Andrew D; Perdew, Gary H	Sci Rep (2015)	5 / 12689	PubMed Citation
Advancements in zebrafish applications for 21st century toxicology.	Garcia, Gloria R; Noyes, Pamela D; Tanguay, Robert L	Pharmacol Ther ()	161 / 11-21	PubMed Citation
Aggregate culture of human embryonic stem cell-derived hepatocytes in suspension are an improved in ...	Sengupta, Srikumar; Johnson, Brian Patrick; Swanson, Scott Allen; Stewart, Ron; Bradfield, Christopher Alan; Thomson, James Alexander	Toxicol Sci (2014 Jul)	140 / 236-45	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 antagonism inhibits constitutive and cytokine inducible IL6 production in head and neck ...	DiNatale, Brett C; Schroeder, Jennifer C; Perdew, Gary H	Mol Carcinog (2011 Mar)	50 / 173-83	PubMed Citation

Ah receptor antagonism represses head and neck tumor cell aggressive phenotype.	DiNatale, Brett C; Smith, Kayla; John, Kaarthik; Krishnegowda, Gowdahalli; Amin, Shantu G; Perdew, Gary H	Mol Cancer Res (2012 Oct)	10 / 1369-79	PubMed Citation
Ah receptor binding to its cognate response element is required for dioxin-mediated toxicity.	Perdew, Gary H	Toxicol Sci (2008 Dec)	106 / 301-3	PubMed Citation
Ah receptor nuclear translocator protein heterogeneity is altered after heterodimerization with the ...	Tsai, J C; Perdew, G H	Biochemistry (1997 Jul 22)	36 / 9066-72	PubMed Citation
Ah Receptor Pathway Intricacies; Signaling Through Diverse Protein Partners and DNA-Motifs.	Jackson, D P; Joshi, A D; Elferink, C J	Toxicol Res (Camb) (2015 Sep 1)	4 / 1143-1158	PubMed Citation
Ah receptor represses acute-phase response gene expression without binding to its cognate response e ...	Patel, Rushang D; Murray, Iain A; Flaveny, Colin A; Kusnadi, Ann; Perdew, Gary H	Lab Invest (2009 Jun)	89 / 695-707	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
Ah receptor signals cross-talk with multiple developmental pathways.	Puga, Alvaro; Tomlinson, Craig R; Xia, Ying	Biochem Pharmacol (2005 Jan 15)	69 / 199-207	PubMed Citation
AhR deficiency impairs expression of LPS-induced inflammatory genes in mice.	Wu, Dalei; Li, Wen; Lok, Patty; Matsumura, Fumio; Vogel, Christoph Franz Adam	Biochem Biophys Res Commun (2011 Jul 1)	410 / 358-63	PubMed Citation
Alterations in the Ah receptor level after staurosporine treatment.	Singh, S S; Perdew, G H	Arch Biochem Biophys (1993 Aug 15)	305 / 170-5	PubMed Citation
An Aryl Hydrocarbon Receptor from the Salamander Ambystoma mexicanum Exhibits Low Sensitivity to 2,3 ...	Shoots, Jenny; Fraccalvieri, Domenico; Franks, Diana G; Denison, Michael S; Hahn, Mark E; Bonati, Laura; Powell, Wade H	Environ Sci Technol (2015 Jun 2)	49 / 6993-7001	PubMed Citation
An aryl hydrocarbon receptor repressor from Xenopus laevis: function, expression, and role in dioxin ...	Zimmermann, Anna L; King, Elizabeth A; Dengler, Emelyne; Scogin, Shana R; Powell, Wade H	Toxicol Sci (2008 Jul)	104 / 124-34	PubMed Citation
An auto-regulatory loop between stress sensors INrf2 and Nrf2 controls their cellular abundance.	Lee, Ok-Hee; Jain, Abhinav K; Papusha, Victor; Jaiswal, Anil K	J Biol Chem (2007 Dec 14)	282 / 36412-20	PubMed Citation

An autoregulatory loop between Nrf2 and Cul3-Rbx1 controls their cellular abundance.	Kaspar, James W; Jaiswal, Anil K	J Biol Chem (2010 Jul 9)	285 / 21349-58	PubMed Citation
Analysis of dioxins in contaminated soils with the calux and caflux bioassays, an immunoassay, and g ...	Nording, Malin; Denison, Michael S; Baston, David; Persson, Ylva; Spinnel, Erik; Haglund, Peter	Environ Toxicol Chem (2007 Jun)	26 / 1122-9	PubMed Citation
Analysis of photoaffinity-labeled aryl hydrocarbon receptor heterogeneity by two-dimensional gel ele ...	Perdew, G H; Hollenback, C E	Biochemistry (1990 Jul 3)	29 / 6210-4	PubMed Citation
Analysis of the antiestrogenic activity of 2,3,7,8-tetrachlorodibenzo-p-dioxin in human ovarian carc ...	Rogers, Jane M; Denison, Michael S	Mol Pharmacol (2002 Jun)	61 / 1393-403	PubMed Citation
Antagonism of aryl hydrocarbon receptor signaling by 6,2',4'-trimethoxyflavone.	Murray, Iain A; Flaveny, Colin A; DiNatale, Brett C; Chairo, Chris R; Schroeder, Jennifer C; Kusnadi, Ann; Perdew, Gary H	J Pharmacol Exp Ther (2010 Jan)	332 / 135-44	PubMed Citation
Anti-androgen flutamide suppresses hepatocellular carcinoma cell proliferation via the aryl hydrocar ...	Koch, D C; Jang, H S; O'Donnell, E F; Punj, S; Kopparapu, P R; Bisson, W H; Kerkvliet, N I; Kolluri, S K	Oncogene (2015 Dec 10)	34 / 6092-104	PubMed Citation
Antioxidant-induced INrf2 (Keap1) tyrosine 85 phosphorylation controls the nuclear export and degrad ...	Kaspar, James W; Niture, Suryakant K; Jaiswal, Anil K	J Cell Sci (2012 Feb 15)	125 / 1027-38	PubMed Citation
Application of the luciferase cell culture bioassay for the detection of refined petroleum products.	Ziccardi, Michael H; Gardner, Ian A; Mazet, Jonna A K; Denison, Michael S	Mar Pollut Bull (2002 Oct)	44 / 983-91	PubMed Citation
Application of the luciferase recombinant cell culture bioassay system for the analysis of polycycli ...	Ziccardi, Michael H; Gardner, Ian A; Denison, Michael S	Environ Toxicol Chem (2002 Oct)	21 / 2027-33	PubMed Citation
ARNT gene multiplicity in amphibians: characterization of ARNT2 from the frog Xenopus laevis.	Rowatt, Ashley J; DePowell, John J; Powell, Wade H	J Exp Zool B Mol Dev Evol (2003 Dec 15)	300 / 48-57	PubMed Citation
Aromatase Inhibitor-Mediated Downregulation of INrf2 (Keap1) Leads to Increased Nrf2 and Resistance ...	Khatri, Raju; Shah, Preeti; Guha, Rupa; Rassool, Feyruz V; Tomkinson, Alan E; Brodie, Angela; Jaiswal, Anil K	Mol Cancer Ther (2015 Jul)	14 / 1728-37	PubMed Citation
Aromatic hydrocarbon receptor interaction with the retinoblastoma protein potentiates repression of ...	Puga, A; Barnes, S J; Dalton, T P; Chang, C y; Knudsen, E S; Maier, M A	J Biol Chem (2000 Jan 28)	275 / 2943-50	PubMed Citation
Aromatic hydrocarbon receptor polymorphism: development of new methods to correlate genotype with ph ...	Maier, A; Micka, J; Miller, K; Denko, T; Chang, C Y; Nebert, D W; Alvaro Puga	Environ Health Perspect (1998 Jul)	106 / 421-6	PubMed Citation

Artificial neural networks for efficient clustering of conformational ensembles and their potential ...	Pandini, Alessandro; Fraccalvieri, Domenico; Bonati, Laura	Curr Top Med Chem (2013)	13 / 642-51	PubMed Citation
Aryl hydrocarbon (Ah) receptor levels are selectively modulated by hsp90-associated immunophilin hom ...	Meyer, B K; Petrulis, J R; Perdew, G H	Cell Stress Chaperones (2000 Jul)	5 / 243-54	PubMed Citation
Aryl hydrocarbon receptor (AhR)/AhR nuclear translocator (ARNT) activity is unaltered by phosphoryla ...	Levine, S L; Perdew, G H	Mol Pharmacol (2001 Mar)	59 / 557-66	PubMed Citation
Aryl Hydrocarbon Receptor Activation Synergistically Induces Lipopolysaccharide-Mediated Expression ...	Lahoti, Tejas S; Boyer, Jacob A; Kusnadi, Ann; Muku, Gulsum E; Murray, Iain A; Perdew, Gary H	Toxicol Sci (2015 Nov)	148 / 229-40	PubMed Citation
Aryl hydrocarbon receptor antagonism attenuates growth factor expression, proliferation, and migrati ...	Lahoti, Tejas S; Hughes, Jarod M; Kusnadi, Ann; John, Kaarthik; Zhu, Bokai; Murray, Iain A; Gowda, Krishne; Peters, Jeffrey M; Amin, Shantu G; Perdew, Gary H	J Pharmacol Exp Ther (2014 Feb)	348 / 236-45	PubMed Citation
Aryl hydrocarbon receptor antagonism mitigates cytokine-mediated inflammatory signalling in primary ...	Lahoti, Tejas S; John, Kaarthik; Hughes, Jarod M; Kusnadi, Ann; Murray, Iain A; Krishnegowda, Gowdahalli; Amin, Shantu; Perdew, Gary H	Ann Rheum Dis (2013 Oct)	72 / 1708-16	PubMed Citation
Aryl hydrocarbon receptor antagonists promote the expansion of human hematopoietic stem cells.	Boitano, Anthony E; Wang, Jian; Romeo, Russell; Bouchez, Laure C; Parker, Albert E; Sutton, Sue E; Walker, John R; Flaveny, Colin A; Perdew, Gary H; Denison, Michael S; Schultz, Peter G; Cooke, Michael P	Science (2010 Sep 10)	329 / 1345-8	PubMed Citation
Aryl hydrocarbon receptor ligands in cancer: friend and foe.	Murray, Iain A; Patterson, Andrew D; Perdew, Gary H	Nat Rev Cancer (2014 Dec)	14 / 801-14	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
Aryl hydrocarbon receptor regulates the cholesterol biosynthetic pathway in a dioxin response elemen ...	Tanos, Rachel; Patel, Rushang D; Murray, Iain A; Smith, Philip B; Patterson, Andrew D; Perdew, Gary H	Hepatology (2012 Jun)	55 / 1994-2004	PubMed Citation

Aryl hydrocarbon receptor signaling mediates expression of indoleamine 2,3-dioxygenase.	Vogel, Christoph F A; Goth, Samuel R; Dong, Bin; Pessah, Isaac N; Matsumura, Fumio	Biochem Biophys Res Commun (2008 Oct 24)	375 / 331-5	PubMed Citation
Aryl hydrocarbon receptor signaling regulates NF-*B RelB activation during dendritic-cell differenti ...	Vogel, Christoph F A; Wu, Dalei; Goth, Samuel R; Baek, Jaeeun; Lollies, Anna; Domhardt, Rowena; Grindel, Annemarie; Pessah, Isaac N	Immunol Cell Biol (2013 Oct)	91 / 568-75	PubMed Citation
Aryl hydrocarbon receptor, cell cycle regulation, toxicity, and tumorigenesis.	Marlowe, Jennifer L; Puga, Alvaro	J Cell Biochem (2005 Dec 15)	96 / 1174-84	PubMed Citation
Aryl hydrocarbon receptor-dependent apoptotic cell death induced by the flavonoid chrysin in human c ...	Ronnekleiv-Kelly, Sean M; Nukaya, Manabu; Díaz-Díaz, Carol J; Megna, Bryant W; Carney, Patrick R; Geiger, Peter G; Kennedy, Gregory D	Cancer Lett (2016 Jan 1)	370 / 91-9	PubMed Citation
Aryl Hydrocarbon Receptor-Mediated Perturbations in Gene Expression during Early Stages of CD4(+) T- ...	Rohlman, Diana; Pham, Duy; Yu, Zhen; Steppan, Linda B; Kerkvliet, Nancy I	Front Immunol (2012)	3 / 223	PubMed Citation
Aryl hydrocarbon receptors in the frog Xenopus laevis: two AhR1 paralogs exhibit low affinity for 2, ...	Lavine, Jeremy A; Rowatt, Ashley J; Klimova, Tatyana; Whitington, Aric J; Dengler, Emelyne; Beck, Catherine; Powell, Wade H	Toxicol Sci (2005 Nov)	88 / 60-72	PubMed Citation
Aryl-hydrocarbon receptor activation regulates constitutive androstane receptor levels in murine and ...	Patel, Rushang D; Hollingshead, Brett D; Omiecinski, Curtis J; Perdew, Gary H	Hepatology (2007 Jul)	46 / 209-18	PubMed Citation
ATM-dependent suppression of stress signaling reduces vascular disease in metabolic syndrome.	Schneider, Jochen G; Finck, Brian N; Ren, Jie; Standley, Kara N; Takagi, Masatoshi; Maclean, Kirsteen H; Bernal-Mizrachi, Carlos; Muslin, Anthony J; Kastan, Michael B; Semenkovich, Clay F	Cell Metab (2006 Nov)	4 / 377-89	PubMed Citation
ATM: genome stability, neuronal development, and cancer cross paths.	Shiloh, Y; Kastan, M B	Adv Cancer Res (2001)	83 / 209-54	PubMed Citation
Benzimidazoisoquinolines: a new class of rapidly metabolized aryl hydrocarbon receptor (AhR) ligands ...	Punj, Sumit; Kopparapu, Prasad; Jang, Hyo Sang; Phillips, Jessica L; Pennington, Jamie; Rohlman, Diana; O'Donnell, Edmond;	PLoS One (2014)	9 / e88726	PubMed Citation

	Iversen, Patrick L; Kolluri, Siva Kumar; Kerkvliet, Nancy I			
Binding studies using Pichia pastoris expressed human aryl hydrocarbon receptor and aryl hydrocarbon ...	Zheng, Yujuan; Xie, Jinghang; Huang, Xin; Dong, Jin; Park, Miki S; Chan, William K	Protein Expr Purif (2016 Jun)	122 / 72-81	PubMed Citation
Bisphenol-A and estradiol exert novel gene regulation in human MCF-7 derived breast cancer cells.	Singleton, David W; Feng, Yuxin; Chen, Yangde; Busch, Steve J; Lee, Adrian V; Puga, Alvaro; Khan, Sohaib A	Mol Cell Endocrinol (2004 Jun 30)	221 / 47-55	PubMed Citation
Brevetoxin-6 (PbTx-6), a nonaromatic marine neurotoxin, is a ligand of the aryl hydrocarbon receptor ...	Washburn, B S; Rein, K S; Baden, D G; Walsh, P J; Hinton, D E; Tullis, K; Denison, M S	Arch Biochem Biophys (1997 Jul 15)	343 / 149-56	PubMed Citation
Carbaryl, a carbamate insecticide, is a ligand for the hepatic Ah (dioxin) receptor.	Denison, M S; Phelan, D; Winter, G M; Ziccardi, M H	Toxicol Appl Pharmacol (1998 Oct)	152 / 406-14	PubMed Citation
Carboxyl terminus of hsc70-interacting protein (CHIP) can remodel mature aryl hydrocarbon receptor (...	Morales, J Luis; Perdew, Gary H	Biochemistry (2007 Jan 16)	46 / 610-21	PubMed Citation
Caspase-3-dependent cleavage of Bcl-2 promotes release of cytochrome c.	Kirsch, D G; Doseff, A; Chau, B N; Lim, D S; de Souza-Pinto, N C; Hansford, R; Kastan, M B; Lazebnik, Y A; Hardwick, J M	J Biol Chem (1999 Jul 23)	274 / 21155-61	PubMed Citation
Cell cycle control and cancer.	Hartwell, L H; Kastan, M B	Science (1994 Dec 16)	266 / 1821-8	PubMed Citation
CH223191 is a ligand-selective antagonist of the Ah (Dioxin) receptor.	Zhao, Bin; Degroot, Danica E; Hayashi, Ai; He, Guochun; Denison, Michael S	Toxicol Sci (2010 Oct)	117 / 393-403	PubMed Citation
Characterization of the activated form of the aryl hydrocarbon receptor in the nucleus of HeLa cells ...	Singh, S S; Hord, N G; Perdew, G H	Arch Biochem Biophys (1996 May 1)	329 / 47-55	PubMed Citation
Characterization of the AhR-hsp90-XAP2 core complex and the role of the immunophilin-related protein ...	Meyer, B K; Perdew, G H	Biochemistry (1999 Jul 13)	38 / 8907-17	PubMed Citation
Characterization of the antiallergic drugs 3-[2-(2-phenylethyl) benzoimidazole-4-yl]-3-hydroxypropan ...	Morales, José Luis; Krzeminski, Jacek; Amin, Shantu; Perdew, Gary H	Chem Res Toxicol (2008 Feb)	21 / 472-82	PubMed Citation
Characterization of the pattern of the nongenomic signaling pathway through which TCDD-induces early ...	Sciullo, Eric M; Dong, Bin; Vogel, Chris F A; Matsumura, Fumio	Chemosphere (2009 Mar)	74 / 1531-7	PubMed Citation
Characterization of the phosphorylation status of the hepatitis B virus X-associated protein 2.	Dull, Angie B; Carlson, David B; Petrulis, John R; Perdew, Gary H	Arch Biochem Biophys (2002 Oct 15)	406 / 209-21	PubMed Citation

Chemical cross-linking of the cytosolic and nuclear forms of the Ah receptor in hepatoma cell line 1 ...	Perdew, G H	Biochem Biophys Res Commun (1992 Jan 15)	182 / 55-62	PubMed Citation
Chromatin perturbations during the DNA damage response in higher eukaryotes.	Bakkenist, Christopher J; Kastan, Michael B	DNA Repair (Amst) (2015 Dec)	36 / 8-12	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
Combined experimental and computational analysis of DNA damage signaling reveals context-dependent r ...	Tentner, Andrea R; Lee, Michael J; Ostheimer, Gerry J; Samson, Leona D; Lauffenburger, Douglas A; Yaffe, Michael B	Mol Syst Biol (2012)	8 / 568	PubMed Citation
Combustion derived ultrafine particles induce cytochrome P-450 expression in specific lung compartme ...	Chan, Jackie K W; Vogel, Christoph F; Baek, Jaeeun; Kodani, Sean D; Uppal, Ravi S; Bein, Keith J; Anderson, Donald S; Van Winkle, Laura S	Am J Physiol Lung Cell Mol Physiol (2013 May 15)	304 / L665-77	PubMed Citation
Combustion-derived flame generated ultrafine soot generates reactive oxygen species and activates Nr ...	Chan, Jackie K W; Charrier, Jessica G; Kodani, Sean D; Vogel, Christoph F; Kado, Sarah Y; Anderson, Donald S; Anastasio, Cort; Van Winkle, Laura S	Part Fibre Toxicol (2013)	10 / 34	PubMed Citation
Common commercial and consumer products contain activators of the aryl hydrocarbon (dioxin) receptor ...	Zhao, Bin; Bohonowych, Jessica E S; Timme-Laragy, Alicia; Jung, Dawoon; Affatato, Alessandra A; Rice, Robert H; Di Giulio, Richard T; Denison, Michael S	PLoS One (2013)	8 / e56860	PubMed Citation
Comparative analysis of homology models of the AH receptor ligand binding domain: verification of st ...	Fraccalvieri, Domenico; Soshilov, Anatoly A; Karchner, Sibel I; Franks, Diana G; Pandini, Alessandro; Bonati, Laura; Hahn, Mark E; Denison, Michael S	Biochemistry (2013 Jan 29)	52 / 714-25	PubMed Citation
Comparative Developmental Toxicity of Flavonoids Using an Integrative Zebrafish System.	Bugel, Sean M; Bonventre, Josephine A; Tanguay, Robert L	Toxicol Sci (2016 Nov)	154 / 55-68	PubMed Citation
Comparative studies on the effects of green tea extracts and individual tea catechins on human CYP1A ...	Williams, S N; Shih, H; Guenette, D K; Brackney, W; Denison, M S; Pickwell, G V; Quattrochi, L C	Chem Biol Interact (2000 Nov 1)	128 / 211-29	PubMed Citation

Comparison of recombinant cell bioassays for the detection of Ah receptor agonists.	Han, Dalho; Nagy, Scott R; Denison, Michael S	Biofactors (2004)	20 / 11-22	PubMed Citation
Comparison of the nuclear and cytosolic forms of the Ah receptor from Hepa 1c1c7 cells: charge heter ...	Perdew, G H	Arch Biochem Biophys (1991 Dec)	291 / 284-90	PubMed Citation
Computational approaches for analyzing information flow in biological networks.	Kholodenko, Boris; Yaffe, Michael B; Kolch, Walter	Sci Signal (2012 Apr 17)	5 / re1	PubMed Citation
Computational approaches to shed light on molecular mechanisms in biological processes.	Moro, Giorgio; Bonati, Laura; Bruschi, Maurizio; Cosentino, Ugo; De Gioia, Luca; Fantucci, Pier Carlo; Pandini, Alessandro; Papaleo, Elena; Pitea, Demetrio; Saracino, Gloria A A; Zampella, Giuseppe	Theor Chem Acc (2007 May 1)	117 / 723-741	PubMed Citation
Conformational and functional analysis of molecular dynamics trajectories by self-organising maps.	Fraccalvieri, Domenico; Pandini, Alessandro; Stella, Fabio; Bonati, Laura	BMC Bioinformatics (2011 May 14)	12 / 158	PubMed Citation
Constitutive activation of the aromatic hydrocarbon receptor.	Chang, C Y; Puga, A	Mol Cell Biol (1998 Jan)	18 / 525-35	PubMed Citation
Cross-talk between aryl hydrocarbon receptor and the inflammatory response: a role for nuclear facto ...	Vogel, Christoph F A; Khan, Elaine M; Leung, Patrick S C; Gershwin, M Eric; Chang, W L William; Wu, Dalei; Haarmann-Stemmann, Thomas; Hoffmann, Alexander; Denison, Michael S	J Biol Chem (2014 Jan 17)	289 / 1866-75	PubMed Citation
Cytochrome P450 Oxidase 2C Inhibition Adds to ω-3 Long-Chain Polyunsaturated Fatty Acids Protection ...	Gong, Yan; Fu, Zhongjie; Edin, Matthew L; Liu, Chi-Hsiu; Wang, Zhongxiao; Shao, Zhuo; Fredrick, Thomas W; Saba, Nicholas J; Morss, Peyton C; Burnim, Samuel B; Meng, Steven S; Lih, Fred B; Lee, Kin Sing Stephen; Moran, Elizabeth P; SanGiovanni, John Paul; Hellström, Ann; Hammock, Bruce D; Zeldin, Darryl C; Smith, Lois E H	Arterioscler Thromb Vasc Biol (2016 Sep)	36 / 1919-27	PubMed Citation

Cytokine-induced signaling networks prioritize dynamic range over signal strength.	Janes, Kevin A; Reinhardt, H Christian; Yaffe, Michael B	Cell (2008 Oct 17)	135 / 343-54	PubMed Citation
Detection of the Ah receptor in rainbow trout: use of 2-azido-3-[125I]iodo-7,8-dibromodibenzo-p-diox ...	Swanson, H I; Perdew, G H	Toxicol Lett (1991 Sep)	58 / 85-95	PubMed Citation
Detection of the TCDD binding-fingerprint within the Ah receptor ligand binding domain by structural ...	Pandini, Alessandro; Soshilov, Anatoly A; Song, Yujuan; Zhao, Jing; Bonati, Laura; Denison, Michael S	Biochemistry (2009 Jun 30)	48 / 5972-83	PubMed Citation
Determination of in vitro relative potency (REP) values for mono-ortho polychlorinated biphenyls aft ...	Peters, A K; Leonards, P E; Zhao, B; Bergman, A; Denison, M S; Van den Berg, M	Toxicol Lett (2006 Sep 10)	165 / 230-41	PubMed Citation
Development and modification of a recombinant cell bioassay to directly detect halogenated and polyc ...	Ziccardi, M H; Gardner, I A; Denison, M S	Toxicol Sci (2000 Mar)	54 / 183-93	PubMed Citation
Development of a green fluorescent protein-based cell bioassay for the rapid and inexpensive detecti ...	Nagy, Scott R; Sanborn, James R; Hammock, Bruce D; Denison, Michael S	Toxicol Sci (2002 Feb)	65 / 200-10	PubMed Citation
Development of a recombinant human ovarian (BG1) cell line containing estrogen receptor α and β for ...	Brennan, Jennifer C; Bassal, Arzoo; He, Guochun; Denison, Michael S	Environ Toxicol Chem (2016 Jan)	35 / 91-100	PubMed Citation
Development of a selective modulator of aryl hydrocarbon (Ah) receptor activity that exhibits anti-i ...	Murray, Iain A; Krishnegowda, Gowdahalli; DiNatale, Brett C; Flaveny, Colin; Chiaro, Chris; Lin, Jyh-Ming; Sharma, Arun K; Amin, Shantu; Perdew, Gary H	Chem Res Toxicol (2010 May 17)	23 / 955-66	PubMed Citation
Development of Species-Specific Ah Receptor-Responsive Third Generation CALUX Cell Lines with Enhanc ...	Brennan, Jennifer C; He, Guochun; Tsutsumi, Tomoaki; Zhao, Jing; Wirth, Edward; Fulton, Michael H; Denison, Michael S	Environ Sci Technol (2015 Oct 6)	49 / 11903-12	PubMed Citation
Developmental differences in elimination of 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) during Xenopu ...	Philips, Blythe H; Susman, Thomas C; Powell, Wade H	Mar Environ Res (2006 Jul)	62 Suppl / S34-7	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
Differential action of monohydroxylated polycyclic aromatic hydrocarbons with estrogen receptors α a ...	Sievers, Chelsie K; Shanle, Erin K; Bradfield, Christopher A; Xu, Wei	Toxicol Sci (2013 Apr)	132 / 359-67	PubMed Citation

Differential gene regulation by the human and mouse aryl hydrocarbon receptor.	Flaveny, Colin A; Murray, Iain A; Perdew, Gary H	Toxicol Sci (2010 Apr)	114 / 217-25	PubMed Citation
Differential recruitment of coactivator RIP140 by Ah and estrogen receptors. Absence of a role for L ...	Kumar, M B; Tarpey, R W; Perdew, G H	J Biol Chem (1999 Aug 6)	274 / 22155-64	PubMed Citation
Differential regulation of mouse Ah receptor gene expression in cell lines of different tissue origi ...	FitzGerald, C T; Fernandez-Salguero, P; Gonzalez, F J; Nebert, D W; Puga, A	Arch Biochem Biophys (1996 Sep 1)	333 / 170-8	PubMed Citation
Differential regulation of Th17 and T regulatory cell differentiation by aryl hydrocarbon receptor d ...	Mohinta, Sonia; Kannan, Arun K; Gowda, Krishne; Amin, Shantu G; Perdew, Gary H; August, Avery	Toxicol Sci (2015 Jun)	145 / 233-43	PubMed Citation
Dioxin activates HIV-1 gene expression by an oxidative stress pathway requiring a functional cytochr ...	Yao, Y; Hoffer, A; Chang, C Y; Puga, A	Environ Health Perspect (1995 Apr)	103 / 366-71	PubMed Citation
Dioxin and immune regulation: emerging role of aryl hydrocarbon receptor in the generation of regula ...	Marshall, Nikki B; Kerkvliet, Nancy I	Ann N Y Acad Sci (2010 Jan)	1183 / 25-37	PubMed Citation
Dioxin causes a sustained oxidative stress response in the mouse.	Shertzer, H G; Nebert, D W; Puga, A; Ary, M; Sonntag, D; Dixon, K; Robinson, L J; Cianciolo, E; Dalton, T P	Biochem Biophys Res Commun (1998 Dec 9)	253 / 44-8	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
Dioxin increases reactive oxygen production in mouse liver mitochondria.	Senft, Albert P; Dalton, Timothy P; Nebert, Daniel W; Genter, Mary Beth; Hutchinson, Richard J; Shertzer, Howard G	Toxicol Appl Pharmacol (2002 Jan 1)	178 / 15-21	PubMed Citation
Dioxin induces transcription of fos and jun genes by Ah receptor-dependent and -independent pathways ...	Hoffer, A; Chang, C Y; Puga, A	Toxicol Appl Pharmacol (1996 Nov)	141 / 238-47	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
Disruption of dioxin-inducible phase I and phase II gene expression patterns by cadmium, chromium, a ...	Maier, A; Dalton, T P; Puga, A	Mol Carcinog (2000 Aug)	28 / 225-35	PubMed Citation
Distinct signaling properties of mitogen-activated protein kinase kinases 4 (MKK4) and 7 (MKK7) in e ...	Wang, Jingcai; Chen, Liang; Ko, Chia-I; Zhang, Lin; Puga, Alvaro; Xia, Ying	J Biol Chem (2012 Jan 20)	287 / 2787-97	PubMed Citation
Divergent Ah Receptor Ligand Selectivity during Hominin Evolution.	Hubbard, Troy D; Murray, Iain A; Bisson, William H; Sullivan, Alexis P; Sebastian, Aswathy; Perry, George H; Jablonski, Nina G; Perdew, Gary H	Mol Biol Evol (2016 Oct)	33 / 2648-58	PubMed Citation
Divergent roles of hepatitis B virus X-associated protein 2 (XAP2) in human versus mouse Ah receptor ...	Ramadoss, Preeti; Petrulis, John R; Hollingshead, Brett D; Kusnadi, Ann; Perdew, Gary H	Biochemistry (2004 Jan 27)	43 / 700-9	PubMed Citation
DNA damage activates a spatially distinct late cytoplasmic cell-cycle checkpoint network controlled ...	Reinhardt, H Christian; Hasskamp, Pia; Schmedding, Ingolf; Morandell, Sandra; van Vugt, Marcel A T M; Wang, Xiaozhe; Linding, Rune; Ong, Shao-En; Weaver, David; Carr, Steven A; Yaffe, Michael B	Mol Cell (2010 Oct 8)	40 / 34-49	PubMed Citation
DNA damage induces phosphorylation of the amino terminus of p53.	Siliciano, J D; Canman, C E; Taya, Y; Sakaguchi, K; Appella, E; Kastan, M B	Genes Dev (1997 Dec 15)	11 / 3471-81	PubMed Citation
DNA damage responses: p53 induction, cell cycle perturbations, and apoptosis.	Canman, C E; Chen, C Y; Lee, M H; Kastan, M B	Cold Spring Harb Symp Quant Biol (1994)	59 / 277-86	PubMed Citation
DNA strand breaks: the DNA template alterations that trigger p53-dependent DNA damage response pathw ...	Nelson, W G; Kastan, M B	Mol Cell Biol (1994 Mar)	14 / 1815-23	PubMed Citation
Dual recognition of phosphoserine and phosphotyrosine in histone variant H2A.X by DNA damage respons ...	Singh, Namit; Basnet, Harihar; Wiltshire, Timothy D; Mohammad, Duaa H; Thompson, James R; Heroux, Annie; Botuyan, Maria Victoria; Yaffe, Michael B; Couch,	Proc Natl Acad Sci U S A (2012 Sep 4)	109 / 14381-6	PubMed Citation

	Fergus J; Rosenfeld, Michael G; Mer, Georges			
Effects of arsenic exposure on DNA methylation and epigenetic gene regulation.	Reichard, John F; Puga, Alvaro	Epigenomics (2010 Feb)	2 / 87-104	PubMed Citation
Endogenous hepatic expression of the hepatitis B virus X-associated protein 2 is adequate for maxima ...	Hollingshead, Brett D; Patel, Rushang D; Perdew, Gary H	Mol Pharmacol (2006 Dec)	70 / 2096-107	PubMed Citation
Endoplasmic reticulum stress in the peripheral nervous system is a significant driver of neuropathic ...	Inceoglu, Bora; Bettaieb, Ahmed; Trindade da Silva, Carlos A; Lee, Kin Sing Stephen; Haj, Fawaz G; Hammock, Bruce D	Proc Natl Acad Sci U S A (2015 Jul 21)	112 / 9082-7	PubMed Citation
Engineered bromodomains to explore the acetylproteome.	Bryson, Bryan D; Del Rosario, Amanda M; Gootenberg, Jonathan S; Yaffe, Michael B; White, Forest M	Proteomics (2015 May)	15 / 1470-5	PubMed Citation
Environmental control of autoimmune inflammation in the central nervous system.	Rothhammer, Veit; Quintana, Francisco J	Curr Opin Immunol ()	43 / 46-53	PubMed Citation
Epoxy fatty acids mediate analgesia in murine diabetic neuropathy.	Wagner, K; Lee, K S S; Yang, J; Hammock, B D	Eur J Pain (2016 Sep 15)	/	PubMed Citation
ER alpha-AHR-ARNT protein-protein interactions mediate estradiol-dependent transrepression of dioxin ...	Beischlag, Timothy V; Perdew, Gary H	J Biol Chem (2005 Jun 3)	280 / 21607-11	PubMed Citation
Estrogen receptor expression is required for low-dose resveratrol-mediated repression of aryl hydroc ...	Perdew, Gary H; Hollingshead, Brett D; Dinatale, Brett C; Morales, J Luis; Labrecque, Mark P; Takhar, Mandeep K; Tam, Kevin J; Beischlag, Timothy V	J Pharmacol Exp Ther (2010 Nov)	335 / 273-83	PubMed Citation
Evidence for an aryl hydrocarbon receptor-mediated cytochrome p450 autoregulatory pathway.	Chiaro, Christopher R; Patel, Rushang D; Marcus, Craig B; Perdew, Gary H	Mol Pharmacol (2007 Nov)	72 / 1369-79	PubMed Citation
Evidence for ligand-mediated selective modulation of aryl hydrocarbon receptor activity.	Murray, Iain A; Morales, Jose L; Flaveny, Colin A; Dinatale, Brett C; Chiaro, Chris; Gowdahalli, Krishnegowda; Amin, Shantu; Perdew, Gary H	Mol Pharmacol (2010 Feb)	77 / 247-54	PubMed Citation
Evidence for two functionally distinct forms of the human Ah receptor.	Perdew, G H; Hollenback, C E	J Biochem Toxicol (1995 Apr)	10 / 95-102	PubMed Citation

Evidence that ligand binding is a key determinant of Ah receptor-mediated transcriptional activity.	Murray, Iain A; Reen, Rashmeet K; Leathery, Nathan; Ramadoss, Preeti; Bonati, Laura; Gonzalez, Frank J; Peters, Jeffrey M; Perdew, Gary H	Arch Biochem Biophys (2005 Oct 1)	442 / 59-71	PubMed Citation
Evidence that the 90-kDa heat shock protein (HSP90) exists in cytosol in heteromeric complexes conta ...	Perdew, G H; Whitelaw, M L	J Biol Chem (1991 Apr 15)	266 / 6708-13	PubMed Citation
Exactly the same but different: promiscuity and diversity in the molecular mechanisms of action of t ...	Denison, Michael S; Soshilov, Anatoly A; He, Guochun; DeGroot, Danica E; Zhao, Bin	Toxicol Sci (2011 Nov)	124 / 1-22	PubMed Citation
Exploiting synthetic lethal interactions between DNA damage signaling, checkpoint control, and p53 f ...	Morandell, Sandra; Yaffe, Michael B	Prog Mol Biol Transl Sci (2012)	110 / 289-314	PubMed Citation
Exploiting synthetic lethal interactions for targeted cancer therapy.	Reinhardt, H Christian; Jiang, Hai; Hemann, Michael T; Yaffe, Michael B	Cell Cycle (2009 Oct 1)	8 / 3112-9	PubMed Citation
Expression of genes in the TGF-beta signaling pathway is significantly deregulated in smooth muscle ...	Guo, Junhai; Sartor, Maureen; Karyala, Saikumar; Medvedovic, Mario; Kann, Simone; Puga, Alvaro; Ryan, Patrick; Tomlinson, Craig R	Toxicol Appl Pharmacol (2004 Jan 1)	194 / 79-89	PubMed Citation
Expression of the aryl hydrocarbon receptor contributes to the establishment of intestinal microbial ...	Murray, Iain A; Nichols, Robert G; Zhang, Limin; Patterson, Andrew D; Perdew, Gary H	Sci Rep (2016 Sep 23)	6 / 33969	PubMed Citation
Fixin' to divide.	Mohammad, Duaa H; Yaffe, Michael B	Mol Cell (2012 Feb 10)	45 / 273-5	PubMed Citation
Fragments of ATM which have dominant-negative or complementing activity.	Morgan, S E; Lovly, C; Pandita, T K; Shiloh, Y; Kastan, M B	Mol Cell Biol (1997 Apr)	17 / 2020-9	PubMed Citation
FRET analysis of protein tyrosine kinase c-Src activation mediated via aryl hydrocarbon receptor.	Dong, Bin; Cheng, Wei; Li, Wen; Zheng, Jie; Wu, Dalei; Matsumura, Fumio; Vogel, Christoph Franz Adam	Biochim Biophys Acta (2011 Apr)	1810 / 427-31	PubMed Citation
Gene 33/Mig6 inhibits hexavalent chromium-induced DNA damage and cell transformation in human lung e ...	Park, Soyoung; Li, Cen; Zhao, Hong; Darzynkiewicz, Zbigniew; Xu, Dazhong	Oncotarget (2016 Feb 23)	7 / 8916-30	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;	Cardiovasc Toxicol (2004)	4 / 385-404	PubMed Citation

	Medvedovic, Mario			
Gene expression profiling reveals novel regulation by bisphenol-A in estrogen receptor-alpha-positiv ...	Singleton, David W; Feng, Yuxin; Yang, Jun; Puga, Alvaro; Lee, Adrian V; Khan, Sohaib A	Environ Res (2006 Jan)	100 / 86-92	PubMed Citation
Gene-Environment Interactions Target Mitogen-activated Protein 3 Kinase 1 (MAP3K1) Signaling in Eyel ...	Mongan, Maureen; Meng, Qinghang; Wang, Jingjing; Kao, Winston W-Y; Puga, Alvaro; Xia, Ying	J Biol Chem ()	290 / 19770-9	PubMed Citation
Genetic and pharmacological analysis identifies a physiological role for the AHR in epidermal differ ...	van den Bogaard, Ellen H; Podolsky, Michael A; Smits, Jos P; Cui, Xiao; John, Christian; Gowda, Krishne; Desai, Dhimant; Amin, Shantu G; Schalkwijk, Joost; Perdew, Gary H; Glick, Adam B	J Invest Dermatol (2015 May)	135 / 1320-8	PubMed Citation
Genetic Control of Replication through N1-methyladenine in Human Cells.	Conde, Juan; Yoon, Jung-Hoon; Roy Choudhury, Jayati; Prakash, Louise; Prakash, Satya	J Biol Chem (2015 Dec 11)	290 / 29794-800	PubMed Citation
Genetic polymorphisms in human drug-metabolizing enzymes: potential uses of reverse genetics to iden ...	Puga, A; Nebert, D W; McKinnon, R A; Menon, A G	Crit Rev Toxicol (1997 Mar)	27 / 199-222	PubMed Citation
Genome Editing of the CYP1A1 Locus in iPSCs as a Platform to Map AHR Expression throughout Human Dev ...	Smith, Brenden W; Stanford, Elizabeth A; Sherr, David H; Murphy, George J	Stem Cells Int (2016)	2016 / 2574152	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
Ginsenosides are novel naturally-occurring aryl hydrocarbon receptor ligands.	Hu, Qin; He, Guochun; Zhao, Jing; Soshilov, Anatoly; Denison, Michael S; Zhang, Aiqian; Yin, Huijun; Fraccalvieri, Domenico; Bonati, Laura; Xie, Qunhui; Zhao, Bin	PLoS One (2013)	8 / e66258	PubMed Citation
Granulocyte-macrophage colony-stimulating factor (GM-CSF) is expressed in mouse skin in response to ...	Vasunia, K B; Miller, M L; Puga, A; Baxter, C S	Carcinogenesis (1994 Apr)	15 / 653-60	PubMed Citation

Growth factor modulation of p53-mediated growth arrest versus apoptosis.	Canman, C E; Gilmer, T M; Coutts, S B; Kastan, M B	Genes Dev (1995 Mar 1)	9 / 600-11	PubMed Citation
GSK-3beta acts upstream of Fyn kinase in regulation of nuclear export and degradation of NF-E2 relat ...	Jain, Abhinav K; Jaiswal, Anil K	J Biol Chem (2007 Jun 1)	282 / 16502-10	PubMed Citation
Half-life of aryl hydrocarbon receptor in Hepa 1 cells: evidence for ligand-dependent alterations in ...	Swanson, H I; Perdew, G H	Arch Biochem Biophys (1993 Apr)	302 / 167-74	PubMed Citation
Harmaline and harmalol inhibit the carcinogen-activating enzyme CYP1A1 via transcriptional and postt ...	El Gendy, Mohamed A M; Soshilov, Anatoly A; Denison, Michael S; El-Kadi, Ayman O S	Food Chem Toxicol (2012 Feb)	50 / 353-62	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
Heat shock protein-90 (Hsp90) acts as a repressor of peroxisome proliferator-activated receptor-alph ...	Sumanasekera, Wasana K; Tien, Eric S; Davis 2nd, John W; Turpey, Rex; Perdew, Gary H; Vanden Heuvel, John P	Biochemistry (2003 Sep 16)	42 / 10726-35	PubMed Citation
Hepatic Aryl Hydrocarbon Receptor Attenuates Fibroblast Growth Factor 21 Expression.	Girer, Nathaniel G; Murray, Iain A; Omiecinski, Curtis J; Perdew, Gary H	J Biol Chem (2016 Jul 15)	291 / 15378-87	PubMed Citation
Hepatitis B virus X-associated protein 2 is a subunit of the unliganded aryl hydrocarbon receptor co ...	Meyer, B K; Pray-Grant, M G; Vanden Heuvel, J P; Perdew, G H	Mol Cell Biol (1998 Feb)	18 / 978-88	PubMed Citation
Homocitrullination Is a Novel Histone H1 Epigenetic Mark Dependent on Aryl Hydrocarbon Receptor Recr ...	Joshi, Aditya D; Mustafa, Mehnaz G; Lichti, Cheryl F; Elferink, Cornelis J	J Biol Chem (2015 Nov 13)	290 / 27767-78	PubMed Citation
Hsp90 interaction with INrf2(Keap1) mediates stress-induced Nrf2 activation.	Niture, Suryakant K; Jaiswal, Anil K	J Biol Chem (2010 Nov 19)	285 / 36865-75	PubMed Citation
Human Ah receptor (AHR) gene: localization to 7p15 and suggestive correlation of polymorphism with C ...	Micka, J; Milatovich, A; Menon, A; Grabowski, G A; Puga, A; Nebert, D W	Pharmacogenetics (1997 Apr)	7 / 95-101	PubMed Citation
Human papillomavirus 16 E6 expression disrupts the p53-mediated cellular response to DNA damage.	Kessis, T D; Slebos, R J; Nelson, W G; Kastan, M B; Plunkett, B S; Han, S M; Lorincz, A T; Hedrick, L; Cho, K R	Proc Natl Acad Sci U S A (1993 May 1)	90 / 3988-92	PubMed Citation
Human smooth muscle alpha-actin gene is a transcriptional target of the p53 tumor suppressor protein ...	Comer, K A; Dennis, P A; Armstrong, L; Catino, J J; Kastan, M B; Kumar, C C	Oncogene (1998 Mar 12)	16 / 1299-308	PubMed Citation

Identification of a high-affinity ligand that exhibits complete aryl hydrocarbon receptor antagonism ...	Smith, Kayla J; Murray, Iain A; Tanos, Rachel; Tellew, John; Boitano, Anthony E; Bisson, William H; Kolluri, Siva K; Cooke, Michael P; Perdew, Gary H	J Pharmacol Exp Ther (2011 Jul)	338 / 318-27	PubMed Citation
Identification of benzothiazole derivatives and polycyclic aromatic hydrocarbons as aryl hydrocarbon ...	He, Guochun; Zhao, Bin; Denison, Michael S	Environ Toxicol Chem (2011 Aug)	30 / 1915-25	PubMed Citation
Identification of high affinity polo-like kinase 1 (Plk1) polo-box domain binding peptides using oxi ...	Liu, Fa; Park, Jung-Eun; Qian, Wen-Jian; Lim, Dan; Scharow, Andrej; Berg, Thorsten; Yaffe, Michael B; Lee, Kyung S; Burke Jr, Terrence R	ACS Chem Biol (2012 May 18)	7 / 805-10	PubMed Citation
Identification of novel Ah receptor agonists using a high-throughput green fluorescent protein-based ...	Nagy, Scott R; Liu, Gang; Lam, Kit S; Denison, Michael S	Biochemistry (2002 Jan 22)	41 / 861-8	PubMed Citation
Identification of potent inhibitors of the chicken soluble epoxide hydrolase.	Shihadih, Diyala S; Harris, Todd R; Yang, Jun; Merzlikin, Oleg; Lee, Kin Sing S; Hammock, Bruce D; Morisseau, Christophe	Bioorg Med Chem Lett (2015 Jan 15)	25 / 276-9	PubMed Citation
Identification of the Ah-receptor structural determinants for ligand preferences.	Xing, Yongna; Nukaya, Manabu; Satyshur, Kenneth A; Jiang, Li; Stanevich, Vitali; Korkmaz, Elif Nihal; Burdette, Lisa; Kennedy, Gregory D; Cui, Qiang; Bradfield, Christopher A	Toxicol Sci (2012 Sep)	129 / 86-97	PubMed Citation
Identification of two functional PCNA-binding domains in human DNA polymerase κ.	Yoon, Jung-Hoon; Acharya, Narottam; Park, Jeseong; Basu, Debashree; Prakash, Satya; Prakash, Louise	Genes Cells (2014 Jul)	19 / 594-601	PubMed Citation
In contrast to the glucocorticoid receptor, the thyroid hormone receptor is translated in the DNA bi ...	Dalman, F C; Koenig, R J; Perdew, G H; Massa, E; Pratt, W B	J Biol Chem (1990 Mar 5)	265 / 3615-8	PubMed Citation
In vivo effects of the pure aryl hydrocarbon receptor antagonist GNF-351 after oral administration a ...	Fang, Zhong-Ze; Krausz, Kristopher W; Nagaoka, Kenjiro; Tanaka, Naoki; Gowda, Krishne; Amin, Shantu G; Perdew, Gary H; Gonzalez, Frank J	Br J Pharmacol (2014 Apr)	171 / 1735-46	PubMed Citation
Indole and Tryptophan Metabolism: Endogenous and Dietary Routes to Ah Receptor Activation.	Hubbard, Troy D; Murray, Iain A; Perdew, Gary H	Drug Metab Dispos (2015 Oct)	43 / 1522-35	PubMed Citation

Indole-3-carbinol induces tumor cell death: function follows form.	Megna, Bryant W; Carney, Patrick R; Nukaya, Manabu; Geiger, Pete; Kennedy, Gregory D	J Surg Res (2016 Jul)	204 / 47-54	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 cytochrome P450 family 1 mRNAs and activities in a cell line from the frog Xenopus laev ...	Iwamoto, Daniel V; Kurylo, Chad M; Schorling, Kelly M; Powell, Wade H	Aquat Toxicol (2012 Jun 15)	114-115 / 165-72	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
Inflammatory signaling and aryl hydrocarbon receptor mediate synergistic induction of interleukin 6 ...	Hollingshead, Brett D; Beischlag, Timothy V; Dinatale, Brett C; Ramadoss, Preeti; Perdew, Gary H	Cancer Res (2008 May 15)	68 / 3609-17	PubMed Citation
Ingestion of the epoxide hydrolase inhibitor AUDA modulates immune responses of the mosquito, Culex ...	Xu, Jiawen; Morisseau, Christophe; Yang, Jun; Lee, Kin Sing Stephen; Kamita, Shizuo G; Hammock, Bruce D	Insect Biochem Mol Biol ()	76 / 62-9	PubMed Citation
Inhibitor of Nrf2 (INrf2 or Keap1) protein degrades Bcl-xL via phosphoglycerate mutase 5 and control ...	Niture, Suryakant K; Jaiswal, Anil K	J Biol Chem (2011 Dec 30)	286 / 44542-56	PubMed Citation
INrf2 (Keap1) targets Bcl-2 degradation and controls cellular apoptosis.	Niture, S K; Jaiswal, A K	Cell Death Differ (2011 Mar)	18 / 439-51	PubMed Citation
Interaction between the Ah receptor and proteins binding to the AP-1-like electrophile response elem ...	Vasiliou, V; Puga, A; Chang, C Y; Tabor, M W; Nebert, D W	Biochem Pharmacol (1995 Dec 22)	50 / 2057-68	PubMed Citation
Interaction of aryl hydrocarbon receptor and NF-κB subunit RelB in breast cancer is associated with ...	Vogel, Christoph Franz Adam; Li, Wen; Wu, Dalei; Miller, Jamie K; Sweeney, Colleen; Lazennec, Gwendal; Fujisawa, Yasuko; Matsumura, Fumio	Arch Biochem Biophys (2011 Aug 1)	512 / 78-86	PubMed Citation
Interaction of diuron and related substituted phenylureas with the Ah receptor pathway.	Zhao, Bin; Baston, David S; Hammock, Bruce; Denison, Michael S	J Biochem Mol Toxicol (2006)	20 / 103-13	PubMed Citation
Interaction of the p53-regulated protein Gadd45 with proliferating cell nuclear antigen.	Smith, M L; Chen, I T; Zhan, Q; Bae, I; Chen, C Y; Gilmer, T M; Kastan, M B; O'Connor, P M; Fornace Jr, A J	Science (1994 Nov 25)	266 / 1376-80	PubMed Citation

Interaction of the regulatory domains of the murine Cyp1a1 gene with two DNA-binding proteins in add ...	Carrier, F; Chang, C Y; Duh, J L; Nebert, D W; Puga, A	Biochem Pharmacol (1994 Nov 1)	48 / 1767-78	PubMed Citation
Interactions between p53 and MDM2 in a mammalian cell cycle checkpoint pathway.	Chen, C Y; Oliner, J D; Zhan, Q; Fornace Jr, A J; Vogelstein, B; Kastan, M B	Proc Natl Acad Sci U S A (1994 Mar 29)	91 / 2684-8	PubMed Citation
Interactions of polybrominated diphenyl ethers with the aryl hydrocarbon receptor pathway.	Peters, A K; Nijmeijer, S; Gradin, K; Backlund, M; Bergman, A; Poellinger, L; Denison, M S; Van den Berg, M	Toxicol Sci (2006 Jul)	92 / 133-42	PubMed Citation
Is post-transcriptional stabilization, splicing and translation of selective mRNAs a key to the DNA ...	Reinhardt, H Christian; Cannell, Ian G; Morandell, Sandra; Yaffe, Michael B	Cell Cycle (2011 Jan 1)	10 / 23-7	PubMed Citation
Kinases that control the cell cycle in response to DNA damage: Chk1, Chk2, and MK2.	Reinhardt, H Christian; Yaffe, Michael B	Curr Opin Cell Biol (2009 Apr)	21 / 245-55	PubMed Citation
Kinetics and Role of Plasma Matrix Metalloproteinase-9 Expression in Acute Lung Injury and the Acute ...	Hsu, Albert T; Barrett, Christopher D; DeBusk, George M; Ellson, Christian D; Gautam, Shiva; Talmor, Daniel S; Gallagher, Diana C; Yaffe, Michael B	Shock (2015 Aug)	44 / 128-36	PubMed Citation
Kynurenic acid is a potent endogenous aryl hydrocarbon receptor ligand that synergistically induces ...	DiNatale, Brett C; Murray, Iain A; Schroeder, Jennifer C; Flaveny, Colin A; Lahoti, Tejas S; Laurenzana, Elizabeth M; Omiecinski, Curtis J; Perdew, Gary H	Toxicol Sci (2010 May)	115 / 89-97	PubMed Citation
Lack of an absolute requirement for the native aryl hydrocarbon receptor (AhR) and AhR nuclear trans ...	Long, W P; Perdew, G H	Arch Biochem Biophys (1999 Nov 15)	371 / 246-59	PubMed Citation
Lack of ligand-selective binding of the aryl hydrocarbon receptor to putative DNA binding sites regu ...	DeGroot, Danica E; Hayashi, Ai; Denison, Michael S	Arch Biochem Biophys (2014 Jan 1)	541 / 13-20	PubMed Citation
Leukotriene A4 metabolites are endogenous ligands for the Ah receptor.	Chiaro, Christopher R; Morales, J Luis; Prabhu, K Sandeep; Perdew, Gary H	Biochemistry (2008 Aug 12)	47 / 8445-55	PubMed Citation
Ligand activation of peroxisome proliferator-activated receptor beta/delta (PPARbeta/delta) attenuat ...	Shan, Weiwei; Palkar, Prajakta S; Murray, Iain A; McDevitt, Emily I; Kennett, Mary J; Kang, Boo Hyon; Isom, Harriet C; Perdew, Gary H; Gonzalez, Frank J; Peters, Jeffrey M	Toxicol Sci (2008 Oct)	105 / 418-28	PubMed Citation

Ligand binding and activation of the Ah receptor.	Denison, Michael S; Pandini, Alessandro; Nagy, Scott R; Baldwin, Enoch P; Bonati, Laura	Chem Biol Interact (2002 Sep 20)	141 / 3-24	PubMed Citation
Ligand displaces heat shock protein 90 from overlapping binding sites within the aryl hydrocarbon re ...	Soshilov, Anatoly; Denison, Michael S	J Biol Chem (2011 Oct 7)	286 / 35275-82	PubMed Citation
Ligand promiscuity of aryl hydrocarbon receptor agonists and antagonists revealed by site-directed m ...	Soshilov, Anatoly A; Denison, Michael S	Mol Cell Biol (2014 May)	34 / 1707-19	PubMed Citation
Ligand selectivity and gene regulation by the human aryl hydrocarbon receptor in transgenic mice.	Flaveny, Colin A; Murray, Iain A; Chiaro, Chris R; Perdew, Gary H	Mol Pharmacol (2009 Jun)	75 / 1412-20	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
Linking the aryl hydrocarbon receptor with altered DNA methylation patterns and developmentally indu ...	Winans, Bethany; Nagari, Anusha; Chae, Minho; Post, Christina M; Ko, Chia-I; Puga, Alvaro; Kraus, W Lee; Lawrence, B Paige	J Immunol (2015 May 1)	194 / 4446-57	PubMed Citation
Liver tumor promotion by 2,3,7,8-tetrachlorodibenzo-p-dioxin is dependent on the aryl hydrocarbon re ...	Kennedy, Gregory D; Nukaya, Manabu; Moran, Susan M; Glover, Edward; Weinberg, Samuel; Balbo, Silvia; Hecht, Stephen S; Pitot, Henry C; Drinkwater, Norman R; Bradfield, Christopher A	Toxicol Sci (2014 Jul)	140 / 135-43	PubMed Citation
Localization and characterization of the 86- and 84-kDa heat shock proteins in Hepa 1c1c7 cells.	Perdew, G H; Hord, N; Hollenback, C E; Welsh, M J	Exp Cell Res (1993 Dec)	209 / 350-6	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
Loss of a p53-associated G1 checkpoint does not decrease cell survival following DNA damage.	Slichenmyer, W J; Nelson, W G; Slebos, R J; Kastan, M B	Cancer Res (1993 Sep 15)	53 / 4164-8	PubMed Citation
Malassezia yeasts produce a collection of exceptionally potent activators of the Ah (dioxin) recepto ...	Magiatis, Prokopios; Pappas, Periklis; Gaitanis, George; Mexia, Nikitia; Melliou, Eleni; Galanou, Maria; Vlachos, Christophoros; Stathopoulou, Konstantina; Skaltsounis, Alexios Leandros; Marselos, Marios; Velegraki, Aristea; Denison, Michael S; Bassukas, Ioannis D	J Invest Dermatol (2013 Aug)	133 / 2023-30	PubMed Citation
Mapping the 90 kDa heat shock protein binding region of the Ah receptor.	Perdew, G H; Bradfield, C A	Biochem Mol Biol Int (1996 Jun)	39 / 589-93	PubMed Citation
Mechanism-based common reactivity pattern (COREPA) modelling of aryl hydrocarbon receptor binding af ...	Petkov, P I; Rowlands, J C; Budinsky, R; Zhao, B; Denison, M S; Mekenyan, O	SAR QSAR Environ Res (2010 Jan 1)	21 / 187-214	PubMed Citation
Metabolomics Reveals that Aryl Hydrocarbon Receptor Activation by Environmental Chemicals Induces Sy ...	Zhang, Limin; Hatzakis, Emmanuel; Nichols, Robert G; Hao, Ruixin; Correll, Jared; Smith, Philip B; Chiaro, Christopher R; Perdew, Gary H; Patterson, Andrew D	Environ Sci Technol (2015 Jul 7)	49 / 8067-77	PubMed Citation
Method for Sorting and Pairwise Selection of Nanobodies for the Development of Highly Sensitive Sand ...	Rossotti, Martín A; Pirez, Macarena; Gonzalez-Techera, Andres; Cui, Yongliang; Bever, Candace S; Lee, Kin S S; Morisseau, Christophe; Leizagoyen, Carmen; Gee, Shirley; Hammock, Bruce D; González-Sapienza, Gualberto	Anal Chem (2015 Dec 01)	87 / 11907-14	PubMed Citation

Mitochondrial reactive oxygen production is dependent on the aromatic hydrocarbon receptor.	Senft, Albert P; Dalton, Timothy P; Nebert, Daniel W; Genter, Mary Beth; Puga, Alvaro; Hutchinson, Richard J; Kerzee, J Kevin; Uno, Shigeyuki; Shertzer, Howard G	Free Radic Biol Med (2002 Nov 1)	33 / 1268-78	PubMed Citation
Modulation of aryl hydrocarbon receptor (AHR)-dependent signaling by peroxisome proliferator-activat ...	Borland, Michael G; Krishnan, Prasad; Lee, Christina; Albrecht, Prajakta P; Shan, Weiwei; Bility, Moses T; Marcus, Craig B; Lin, Jyh M; Amin, Shantu; Gonzalez, Frank J; Perdew, Gary H; Peters, Jeffrey M	Carcinogenesis (2014 Jul)	35 / 1602-12	PubMed Citation
Molecular Mechanisms and New Treatment Paradigm for Atrial Fibrillation.	Sirish, Padmini; Li, Ning; Timofeyev, Valeriy; Zhang, Xiao-Dong; Wang, Lianguo; Yang, Jun; Lee, Kin Sing Stephen; Bettaieb, Ahmed; Ma, Sin Mei; Lee, Jeong Han; Su, Demetria; Lau, Victor C; Myers, Richard E; Lieu, Deborah K; López, Javier E; Young, J Nilas; Yamoah, Ebenezer N; Haj, Fawaz; Ripplinger, Crystal M; Hammock, Bruce D; Chiamvimonvat, Nipavan	Circ Arrhythm Electrophysiol (2016 May)	9 /	PubMed Citation
Monitoring nuclear import with GFP-variant fusion proteins in digitonin-permeabilized cells.	Petrulis, J R; Perdew, G H	Biotechniques (2001 Oct)	31 / 772-5	PubMed Citation
Mono-anionic phosphopeptides produced by unexpected histidine alkylation exhibit high Plk1 polo-box ...	Qian, Wen-Jian; Park, Jung-Eun; Lim, Dan; Lai, Christopher C; Kelley, James A; Park, Suk-Youl; Lee, Ki Won; Yaffe, Michael B; Lee, Kyung S; Burke Jr, Terrence R	Biopolymers (2014 Nov)	102 / 444-55	PubMed Citation
mTORC1 phosphorylation sites encode their sensitivity to starvation and rapamycin.	Kang, Seong A; Pacold, Michael E; Cervantes, Christopher L; Lim, Daniel; Lou, Hua Jane; Ottina, Kathleen; Gray, Nathanael S; Turk, Benjamin E;	Science (2013 Jul 26)	341 / 1236566	PubMed Citation

	Yaffe, Michael B; Sabatini, David M			
Multiple signaling pathways involving ATM.	Kastan, M B; Lim, D S; Kim, S T; Xu, B; Canman, C	Cold Spring Harb Symp Quant Biol (2000)	65 / 521-6	PubMed Citation
NAD+ modulates p53 DNA binding specificity and function.	McLure, Kevin G; Takagi, Masatoshi; Kastan, Michael B	Mol Cell Biol (2004 Nov)	24 / 9958-67	PubMed Citation
Naturally occurring marine brominated indoles are aryl hydrocarbon receptor ligands/agonists.	DeGroot, Danica E; Franks, Diana G; Higa, Tatsuo; Tanaka, Junichi; Hahn, Mark E; Denison, Michael S	Chem Res Toxicol (2015 Jun 15)	28 / 1176-85	PubMed Citation
Neighbor-directed histidine N (τ)-alkylation: A route to imidazolium-containing phosphopeptide macro ...	Qian, Wen-Jian; Park, Jung-Eun; Grant, Robert; Lai, Christopher C; Kelley, James A; Yaffe, Michael B; Lee, Kyung S; Burke Jr, Terrence R	Biopolymers (2015 Nov)	104 / 663-73	PubMed Citation
New aryl hydrocarbon receptor homology model targeted to improve docking reliability.	Motto, Ilaria; Bordogna, Annalisa; Soshilov, Anatoly A; Denison, Michael S; Bonati, Laura	J Chem Inf Model (2011 Nov 28)	51 / 2868-81	PubMed Citation
Newspapers and newspaper ink contain agonists for the ah receptor.	Bohonowych, Jessica E S; Zhao, Bin; Timme-Laragy, Alicia; Jung, Dawoon; Di Giulio, Richard T; Denison, Michael S	Toxicol Sci (2008 Apr)	102 / 278-90	PubMed Citation
Novel 2-amino-isoflavones exhibit aryl hydrocarbon receptor agonist or antagonist activity in a spec ...	Wall, Richard J; He, Guochun; Denison, Michael S; Congiu, Cenzo; Onnis, Valentina; Fernandes, Alwyn; Bell, David R; Rose, Martin; Rowlands, J Craig; Balboni, Gianfranco; Mellor, Ian R	Toxicology (2012 Jul 16)	297 / 26-33	PubMed Citation
Novel Omega-3 Fatty Acid Epoxygenase Metabolite Reduces Kidney Fibrosis.	Sharma, Amit; Hye Khan, Md Abdul; Levick, Scott P; Lee, Kin Sing Stephen; Hammock, Bruce D; Imig, John D	Int J Mol Sci (2016 May 18)	17 /	PubMed Citation
Nrf2 signaling and cell survival.	Niture, Suryakant K; Kaspar, James W; Shen, Jun; Jaiswal, Anil K	Toxicol Appl Pharmacol (2010 Apr 1)	244 / 37-42	PubMed Citation
Nrf2-induced antiapoptotic Bcl-xL protein enhances cell survival and drug resistance.	Niture, Suryakant K; Jaiswal, Anil K	Free Radic Biol Med (2013 Apr)	57 / 119-31	PubMed Citation

Nrf2:INrf2 (Keap1) signaling in oxidative stress.	Kaspar, James W; Niture, Suryakant K; Jaiswal, Anil K	Free Radic Biol Med (2009 Nov 1)	47 / 1304-9	PubMed Citation
Nuclear receptor coactivator SRC-1 interacts with the Q-rich subdomain of the AhR and modulates its ...	Kumar, M B; Perdew, G H	Gene Expr (1999)	8 / 273-86	PubMed Citation
Nucleotide specificity of DNA binding of the aryl hydrocarbon receptor:ARNT complex is unaffected by ...	DeGroot, Danica E; Denison, Michael S	Toxicol Sci (2014 Jan)	137 / 102-13	PubMed Citation
Okadaic acid increases ARNT homodimer transactivation potential.	Levine, S L; Perdew, G H	Cell Biol Toxicol (2002)	18 / 109-20	PubMed Citation
Omeprazole Inhibits Pancreatic Cancer Cell Invasion through a Nongenomic Aryl Hydrocarbon Receptor P ...	Jin, Un-Ho; Kim, Sang-Bae; Safe, Stephen	Chem Res Toxicol (2015 May 18)	28 / 907-18	PubMed Citation
Omeprazole stimulates the induction of human insulin-like growth factor binding protein-1 through ar ...	Murray, Iain A; Perdew, Gary H	J Pharmacol Exp Ther (2008 Mar)	324 / 1102-10	PubMed Citation
Oncogene PKCε controls INrf2-Nrf2 interaction in normal and cancer cells through phosphorylation of ...	Niture, Suryakant K; Gnatt, Averell; Jaiswal, Anil K	J Cell Sci (2013 Dec 15)	126 / 5657-69	PubMed Citation
Optimizing multi-dimensional high throughput screening using zebrafish.	Truong, Lisa; Bugel, Sean M; Chlebowski, Anna; Usenko, Crystal Y; Simonich, Michael T; Simonich, Staci L Massey; Tanguay, Robert L	Reprod Toxicol (2016 Oct)	65 / 139-147	PubMed Citation
p53 does not repress hypoxia-induced transcription of the vascular endothelial growth factor gene.	Agani, F; Kirsch, D G; Friedman, S L; Kastan, M B; Semenza, G L	Cancer Res (1997 Oct 15)	57 / 4474-7	PubMed Citation
P53, cell cycle control and apoptosis: implications for cancer.	Kastan, M B; Canman, C E; Leonard, C J	Cancer Metastasis Rev (1995 Mar)	14 / 3-15	PubMed Citation
p53-deficient cells rely on ATM- and ATR-mediated checkpoint signaling through the p38MAPK/MK2 pathw ...	Reinhardt, H Christian; Aslanian, Aaron S; Lees, Jacqueline A; Yaffe, Michael B	Cancer Cell (2007 Feb)	11 / 175-89	PubMed Citation
p53-dependent G1 arrest involves pRB-related proteins and is disrupted by the human papillomavirus 1 ...	Slebos, R J; Lee, M H; Plunkett, B S; Kessis, T D; Williams, B O; Jacks, T; Hedrick, L; Kastan, M B; Cho, K R	Proc Natl Acad Sci U S A (1994 Jun 7)	91 / 5320-4	PubMed Citation
Peptide-based inhibitors of Plk1 polo-box domain containing mono-anionic phosphothreonine esters and ...	Qian, Wen-Jian; Park, Jung-Eun; Lim, Dan; Park, Suk-Youl; Lee, Ki-Won; Yaffe, Michael B; Lee, Kyung S; Burke Jr, Terrence R	Chem Biol (2013 Oct 24)	20 / 1255-64	PubMed Citation
Peptoid-Peptide hybrid ligands targeting the polo box domain of polo-like kinase 1.	Liu, Fa; Park, Jung-Eun; Qian, Wen-Jian; Lim, Dan; Scharow, Andrej; Berg, Thorsten; Yaffe, Michael B; Lee,	Chembiochem (2012 Jun 18)	13 / 1291-6	PubMed Citation

	Kyung S; Burke Jr, Terrence R			
Peroxisome proliferator-activated receptor-beta/delta inhibits epidermal cell proliferation by down- ...	Kim, Dae J; Murray, Iain A; Burns, Amanda M; Gonzalez, Frank J; Perdew, Gary H; Peters, Jeffrey M	J Biol Chem (2005 Mar 11)	280 / 9519-27	PubMed Citation
Persistent binding of ligands to the aryl hydrocarbon receptor.	Bohonowych, Jessica E; Denison, Michael S	Toxicol Sci (2007 Jul)	98 / 99-109	PubMed Citation
Persistent Organic Pollutants Modify Gut Microbiota-Host Metabolic Homeostasis in Mice Through Aryl ...	Zhang, Limin; Nichols, Robert G; Correll, Jared; Murray, Iain A; Tanaka, Naoki; Smith, Philip B; Hubbard, Troy D; Sebastian, Aswathy; Albert, Istvan; Hatzakis, Emmanuel; Gonzalez, Frank J; Perdew, Gary H; Patterson, Andrew D	Environ Health Perspect (2015 Jul)	123 / 679-88	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
PFOS, PFNA, and PFOA sub-lethal exposure to embryonic zebrafish have different toxicity profiles in ...	Jantzen, Carrie E; Annunziato, Kate A; Bugel, Sean M; Cooper, Keith R	Aquat Toxicol (2016 Jun)	175 / 160-70	PubMed Citation
Phenotype anchoring in zebrafish reveals a potential role for matrix metalloproteinases (MMPs) in ta ...	Bugel, Sean M; Wehmas, Leah C; La Du, Jane K; Tanguay, Robert L	Toxicol Appl Pharmacol (2016 Apr 1)	296 / 31-41	PubMed Citation
Phospho-Ser/Thr-binding domains: navigating the cell cycle and DNA damage response.	Reinhardt, H Christian; Yaffe, Michael B	Nat Rev Mol Cell Biol (2013 Sep)	14 / 563-80	PubMed Citation
Phosphorylation and dephosphorylation of tyrosine 141 regulate stability and degradation of INrf2: a ...	Jain, Abhinav K; Mahajan, Shilpi; Jaiswal, Anil K	J Biol Chem (2008 Jun 20)	283 / 17712-20	PubMed Citation
Phosphorylation of tyrosine 568 controls nuclear export of Nrf2.	Jain, Abhinav K; Jaiswal, Anil K	J Biol Chem (2006 Apr 28)	281 / 12132-42	PubMed Citation
Physicochemical and immunocytochemical analysis of the aryl hydrocarbon receptor nuclear translocato ...	Hord, N G; Perdew, G H	Mol Pharmacol (1994 Oct)	46 / 618-26	PubMed Citation
Pityriazepin and other potent AhR ligands isolated from Malassezia furfur yeast.	Mexia, Nikitia; Gaitanis, Georgios; Velegraki, Aristea; Soshilov, Anatoly; Denison, Michael S; Magiatis, Prokopios	Arch Biochem Biophys (2015 Apr 1)	571 / 16-20	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
Post-transcriptional RNA regulons affecting cell cycle and proliferation.	Blackinton, Jeff G; Keene, Jack D	Semin Cell Dev Biol (2014 Oct)	34 / 44-54	PubMed Citation

PPARδ signaling mediates the cytotoxicity of DHA in H9c2 cells.	Samokhvalov, Victor; Zlobine, Igor; Jamieson, Kristi L; Jurasz, Paul; Chen, Christopher; Lee, Kin Sing Stephen; Hammock, Bruce D; Seubert, John M	Toxicol Lett (2015 Jan 05)	232 / 10-20	PubMed Citation
Predicting the accuracy of protein-ligand docking on homology models.	Bordogna, Annalisa; Pandini, Alessandro; Bonati, Laura	J Comput Chem (2011 Jan 15)	32 / 81-98	PubMed Citation
Pro-atherogenic role of smooth muscle Nox4-based NADPH oxidase.	Tong, Xiaoyong; Khandelwal, Alok R; Wu, Xiaojuan; Xu, Zaicheng; Yu, Weimin; Chen, Caiyu; Zhao, Wanzhou; Yang, Jian; Qin, Zhexue; Weisbrod, Robert M; Seta, Francesca; Ago, Tetsuro; Lee, Kin Sing Stephen; Hammock, Bruce D; Sadoshima, Junichi; Cohen, Richard A; Zeng, Chunyu	J Mol Cell Cardiol (2016 Mar)	92 / 30-40	PubMed Citation
Probing the orientation of inhibitor and epoxy-eicosatrienoic acid binding in the active site of sol ...	Lee, Kin Sing Stephen; Henriksen, Niel M; Ng, Connie J; Yang, Jun; Jia, Weitao; Morisseau, Christophe; Andaya, Armann; Gilson, Michael K; Hammock, Bruce D	Arch Biochem Biophys (2017 Jan 01)	613 / 1-11	PubMed Citation
Production and characterization of monoclonal antibodies directed against the Ah receptor.	Perdew, G H; Abbott, B; Stanker, L H	Hybridoma (1995 Jun)	14 / 279-83	PubMed Citation
Production of Ah receptor ligands in rat fecal suspensions containing tryptophan or indole-3-carbino ...	Perdew, G H; Babbs, C F	Nutr Cancer (1991)	16 / 209-18	PubMed Citation
Production of murine anti-peptide polyclonal antibodies utilizing a nonantigenic adjuvant.	Perdew, G H	Anal Biochem (1994 Jul)	220 / 214-6	PubMed Citation
Protein kinase C activity is required for aryl hydrocarbon receptor pathway-mediated signal transduc ...	Long, W P; Pray-Grant, M; Tsai, J C; Perdew, G H	Mol Pharmacol (1998 Apr)	53 / 691-700	PubMed Citation
Protein kinase C modulates aryl hydrocarbon receptor nuclear translocator protein-mediated transacti ...	Long, W P; Chen, X; Perdew, G H	J Biol Chem (1999 Apr 30)	274 / 12391-400	PubMed Citation
Protein kinases display minimal interpositional dependence on substrate sequence: potential implicat ...	Joughin, Brian A; Liu, Chengcheng; Lauffenburger, Douglas A; Hogue, Christopher W V; Yaffe, Michael B	Philos Trans R Soc Lond B Biol Sci (2012 Sep 19)	367 / 2574-83	PubMed Citation

Prothymosin-alpha mediates nuclear import of the INrf2/Cul3 Rbx1 complex to degrade nuclear Nrf2.	Niture, Suryakant K; Jaiswal, Anil K	J Biol Chem (2009 May 15)	284 / 13856-68	PubMed Citation
Quantitative phospho-proteomics to investigate the polo-like kinase 1-dependent phospho-proteome.	Grosstessner-Hain, Karin; Hegemann, Björn; Novatchkova, Maria; Rameseder, Jonathan; Joughin, Brian A; Hudecz, Otto; Roitinger, Elisabeth; Pichler, Peter; Kraut, Norbert; Yaffe, Michael B; Peters, Jan-Michael; Mechtler, Karl	Mol Cell Proteomics (2011 Nov)	10 / M111.008540	PubMed Citation
Raf exists in a native heterocomplex with hsp90 and p50 that can be reconstituted in a cell-free sys ...	Stancato, L F; Chow, Y H; Hutchison, K A; Perdew, G H; Jove, R; Pratt, W B	J Biol Chem (1993 Oct 15)	268 / 21711-6	PubMed Citation
Rapamycin and p53 act on different pathways to induce G1 arrest in mammalian cells.	Metcalfe, S M; Canman, C E; Milner, J; Morris, R E; Goldman, S; Kastan, M B	Oncogene (1997 Oct 2)	15 / 1635-42	PubMed Citation
Recombinant cell bioassays for endocrine disruptors: development of a stably transfected human ovari ...	Rogers, J M; Denison, M S	In Vitr Mol Toxicol (2000)	13 / 67-82	PubMed Citation
Reconstitution of the multiprotein complex of pp60src, hsp90, and p50 in a cell-free system.	Hutchison, K A; Brott, B K; De Leon, J H; Perdew, G H; Jove, R; Pratt, W B	J Biol Chem (1992 Feb 15)	267 / 2902-8	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
Regulation of gene expression by reactive oxygen.	Dalton, T P; Shertzer, H G; Puga, A	Annu Rev Pharmacol Toxicol (1999)	39 / 67-101	PubMed Citation
Regulation of mouse Ah receptor (Ahr) gene basal expression by members of the Sp family of transcrip ...	Fitzgerald, C T; Nebert, D W; Puga, A	DNA Cell Biol (1998 Sep)	17 / 811-22	PubMed Citation
Regulation of Nrf2-an update.	Niture, Suryakant K; Khatri, Raju; Jaiswal, Anil K	Free Radic Biol Med (2014 Jan)	66 / 36-44	PubMed Citation
Regulation of p53 by hypoxia: dissociation of transcriptional repression and apoptosis from p53-depe ...	Koumenis, C; Alarcon, R; Hammond, E; Sutphin, P; Hoffman, W; Murphy, M; Derr, J; Taya, Y; Lowe, S W; Kastan, M; Giaccia, A	Mol Cell Biol (2001 Feb)	21 / 1297-310	PubMed Citation

Regulation of p53 translation and induction after DNA damage by ribosomal protein L26 and nucleolin.	Takagi, Masatoshi; Absalon, Michael J; McLure, Kevin G; Kastan, Michael B	Cell (2005 Oct 7)	123 / 49-63	PubMed Citation
Regulation of transcription of the glutathione S-transferase P1 gene by methylation of the minimal p ...	Borde-Chiche, P; Diederich, M; Morceau, F; Puga, A; Wellman, M; Dicato, M	Biochem Pharmacol (2001 Mar 1)	61 / 605-12	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
Responsiveness of a Xenopus laevis cell line to the aryl hydrocarbon receptor ligands 6-formylindolo ...	Laub, Leo B; Jones, Brian D; Powell, Wade H	Chem Biol Interact (2010 Jan 5)	183 / 202-11	PubMed Citation
Restoration of retinoblastoma mediated signaling to Cdk2 results in cell cycle arrest.	Strobeck, M W; Fribourg, A F; Puga, A; Knudsen, E S	Oncogene (2000 Apr 6)	19 / 1857-67	PubMed Citation
Retinoic acid receptor belongs to a subclass of nuclear receptors that do not form "docking" complex ...	Dalman, F C; Sturzenbecker, L J; Levin, A A; Lucas, D A; Perdew, G H; Petkovitch, M; Chambon, P; Grippo, J F; Pratt, W B	Biochemistry (1991 Jun 4)	30 / 5605-8	PubMed Citation
Rev1 promotes replication through UV lesions in conjunction with DNA polymerases η, ι, and κ but not ...	Yoon, Jung-Hoon; Park, Jeseong; Conde, Juan; Wakamiya, Maki; Prakash, Louise; Prakash, Satya	Genes Dev (2015 Dec 15)	29 / 2588-602	PubMed Citation
Robust co-regulation of tyrosine phosphorylation sites on proteins reveals novel protein interaction ...	Naegle, Kristen M; White, Forest M; Lauffenburger, Douglas A; Yaffe, Michael B	Mol Biosyst (2012 Oct)	8 / 2771-82	PubMed Citation
Role of GAC63 in transcriptional activation mediated by the aryl hydrocarbon receptor.	Chen, Yong-Heng; Beischlag, Timothy V; Kim, Jeong Hoon; Perdew, Gary H; Stallcup, Michael R	J Biol Chem (2006 May 5)	281 / 12242-7	PubMed Citation
Role of molecular biology in risk assessment.	Puga, A; Micka, J; Chang, C Y; Liang, H C; Nebert, D W	Adv Exp Med Biol (1996)	387 / 395-404	PubMed Citation
Role of the Ah receptor in homeostatic control of fatty acid synthesis in the liver.	Tanos, Rachel; Murray, Iain A; Smith, Philip B; Patterson, Andrew; Perdew, Gary H	Toxicol Sci (2012 Oct)	129 / 372-9	PubMed Citation
Role of the aryl hydrocarbon receptor in cell cycle regulation.	Puga, Alvaro; Marlowe, Jennifer; Barnes, Sonya; Chang, Ching-yi; Maier, Andrew; Tan, Zongqing; Kerzee, J Kevin; Chang,	Toxicology (2002 Dec 27)	181-182 / 171-7	PubMed Citation

	Xaoqing; Strobeck, Matt; Knudsen, Erik S			
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
Role of the aryl hydrocarbon receptor in drug metabolism.	Ramadoss, Preeti; Marcus, Craig; Perdew, Gary H	Expert Opin Drug Metab Toxicol (2005 Jun)	1 / 9-21	PubMed Citation
Role of the Per/Arnt/Sim domains in ligand-dependent transformation of the aryl hydrocarbon receptor ...	Soshilov, Anatoly; Denison, Michael S	J Biol Chem (2008 Nov 21)	283 / 32995-3005	PubMed Citation
Salvaging the septic heart through targeting the interleukin-6/p38 mitogen-activated protein kinase ...	Cannell, Ian G; Yaffe, Michael B	Crit Care Med (2011 Jul)	39 / 1836-7	PubMed Citation
Selective aryl hydrocarbon receptor modulator-mediated repression of CD55 expression induced by cyto ...	Narayanan, Gitanjali A; Murray, Iain A; Krishnegowda, Gowdahalli; Amin, Shantu; Perdew, Gary H	J Pharmacol Exp Ther (2012 Aug)	342 / 345-55	PubMed Citation
Selective mitogen activated protein kinase activity sensors through the application of directionally ...	Peterson, Laura B; Yaffe, Michael B; Imperiali, Barbara	Biochemistry (2014 Sep 16)	53 / 5771-8	PubMed Citation
Selective programming of CCR10(+) innate lymphoid cells in skin-draining lymph nodes for cutaneous h ...	Yang, Jie; Hu, Shaomin; Zhao, Luming; Kaplan, Daniel H; Perdew, Gary H; Xiong, Na	Nat Immunol (2016 Jan)	17 / 48-56	PubMed Citation
Selective suppression of the human aryl hydrocarbon receptor function can be mediated through bindin ...	Ren, Lina; Thompson, John D; Cheung, Michael; Ngo, Katherine; Sung, Sarah; Leong, Scott; Chan, William K	Biochem Pharmacol (2016 May 1)	107 / 91-100	PubMed Citation
Separate pathways for p53 induction by ionizing radiation and N-(phosphonoacetyl)-L-aspartate.	Chen, C Y; Hall, I; Lansing, T J; Gilmer, T M; Tlsty, T D; Kastan, M B	Cancer Res (1996 Aug 15)	56 / 3659-62	PubMed Citation
Sequential application of anticancer drugs enhances cell death by rewiring apoptotic signaling netwo ...	Lee, Michael J; Ye, Albert S; Gardino, Alexandra K; Heijink, Anne Margriet; Sorger, Peter K; MacBeath, Gavin; Yaffe, Michael B	Cell (2012 May 11)	149 / 780-94	PubMed Citation
Single-cell microarray enables high-throughput evaluation of DNA double-strand breaks and DNA repair ...	Weingeist, David M; Ge, Jing; Wood, David K; Mutamba, James T; Huang, Qiuying; Rowland, Elizabeth A; Yaffe, Michael B; Floyd, Scott; Engelward, Bevin P	Cell Cycle (2013 Mar 15)	12 / 907-15	PubMed Citation

Soluble epoxide hydrolase inhibitor 1-trifluoromethoxyphenyl-3- (1-propionylpiperidin-4-yl) urea att ...	Zhou, Yong; Sun, Guo-Ying; Liu, Tian; Duan, Jia-Xi; Zhou, Hui-Fang; Lee, Kin Sing; Hammock, Bruce D; Fang, Xiang; Jiang, Jian-Xin; Guan, Cha-Xiang	Cell Tissue Res (2016 Feb)	363 / 399-409	PubMed Citation
Soluble Epoxide Hydrolase Inhibitor Attenuates Lipopolysaccharide-Induced Acute Lung Injury and Impr ...	Zhou, Yong; Liu, Tian; Duan, Jia-Xi; Li, Ping; Sun, Guo-Ying; Liu, Yong-Ping; Zhang, Jun; Dong, Liang; Lee, Kin Sing Stephen; Hammcok, Bruce D; Jiang, Jian-Xin; Guan, Cha-Xiang	Shock (2016 Oct 6)	/	PubMed Citation
Spatial exclusivity combined with positive and negative selection of phosphorylation motifs is the b ...	Alexander, Jes; Lim, Daniel; Joughin, Brian A; Hegemann, Björn; Hutchins, James R A; Ehrenberger, Tobias; Ivins, Frank; Sessa, Fabio; Hudecz, Otto; Nigg, Erich A; Fry, Andrew M; Musacchio, Andrea; Stukenberg, P Todd; Mechtler, Karl; Peters, Jan-Michael; Smerdon, Stephen J; Yaffe, Michael B	Sci Signal (2011 Jun 28)	4 / ra42	PubMed Citation
Specific ligand binding domain residues confer low dioxin responsiveness to AHR1β of Xenopus laevis.	Odio, Camila; Holzman, Sarah A; Denison, Michael S; Fraccalvieri, Domenico; Bonati, Laura; Franks, Diana G; Hahn, Mark E; Powell, Wade H	Biochemistry (2013 Mar 12)	52 / 1746-54	PubMed Citation
Strategies for optimizing the response of cancer and normal tissues to radiation.	Moding, Everett J; Kastan, Michael B; Kirsch, David G	Nat Rev Drug Discov (2013 Jul)	12 / 526-42	PubMed Citation
Structural and functional characterization of the aryl hydrocarbon receptor ligand binding domain by ...	Pandini, Alessandro; Denison, Michael S; Song, Yujuan; Soshilov, Anatoly A; Bonati, Laura	Biochemistry (2007 Jan 23)	46 / 696-708	PubMed Citation
Subcellular localization of the aryl hydrocarbon receptor is modulated by the immunophilin homolog h ...	Petrulis, J R; Hord, N G; Perdew, G H	J Biol Chem (2000 Dec 1)	275 / 37448-53	PubMed Citation
Subunit composition of the heteromeric cytosolic aryl hydrocarbon receptor complex.	Chen, H S; Perdew, G H	J Biol Chem (1994 Nov 4)	269 / 27554-8	PubMed Citation

Suppression of acute graft-versus-host response by TCDD is independent of the CTLA-4-IFN-ýý-IDO path ...	Rohlman, Diana; Punj, Sumit; Pennington, Jamie; Bradford, Sam; Kerkvliet, Nancy I	Toxicol Sci (2013 Sep)	135 / 81-90	PubMed Citation
Suppression of cytokine-mediated complement factor gene expression through selective activation of t ...	Murray, Iain A; Flaveny, Colin A; Chiaro, Christopher R; Sharma, Arun K; Tanos, Rachel S; Schroeder, Jennifer C; Amin, Shantu G; Bisson, William H; Kolluri, Siva K; Perdew, Gary H	Mol Pharmacol (2011 Mar)	79 / 508-19	PubMed Citation
Sustained increase in intracellular free calcium and activation of cyclooxygenase-2 expression in mo ...	Puga, A; Hoffer, A; Zhou, S; Bohm, J M; Leikauf, G D; Shertzer, H G	Biochem Pharmacol (1997 Dec 15)	54 / 1287-96	PubMed Citation
Systematic phosphorylation analysis of human mitotic protein complexes.	Hegemann, Björn; Hutchins, James R A; Hudecz, Otto; Novatchkova, Maria; Rameseder, Jonathan; Sykora, Martina M; Liu, Sihan; Mazanek, Michael; Lénárt, Péter; Hériché, Jean-Karim; Poser, Ina; Kraut, Norbert; Hyman, Anthony A; Yaffe, Michael B; Mechtler, Karl; Peters, Jan-Michael	Sci Signal (2011)	4 / rs12	PubMed Citation
The Ah receptor is a sensitive target of geldanamycin-induced protein turnover.	Chen, H S; Singh, S S; Perdew, G H	Arch Biochem Biophys (1997 Dec 1)	348 / 190-8	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 Ah receptor regulates growth factor expression in head and neck squamous cell carcinoma cell lin ...	John, Kaarthik; Lahoti, Tejas S; Wagner, Kelly; Hughes, Jarod M; Perdew, Gary H	Mol Carcinog (2014 Oct)	53 / 765-76	PubMed Citation
The Ah receptor: a regulator of the biochemical and toxicological actions of structurally diverse ch ...	Denison, M S; Heath-Pagliuso, S	Bull Environ Contam Toxicol (1998 Nov)	61 / 557-68	PubMed Citation
The anti-inflammatory drug leflunomide is an agonist of the aryl hydrocarbon receptor.	O'Donnell, Edmond F; Saili, Katerine S; Koch, Daniel C; Kopparapu, Prasad R; Farrer, David; Bisson, William H; Mathew, Lijoy K; Sengupta, Sumitra; Kerkvliet,	PLoS One (2010)	5 /	PubMed Citation

	Nancy I; Tanguay, Robert L; Kolluri, Siva Kumar			
The aryl hydrocarbon (Ah) receptor transcriptional regulator hepatitis B virus X-associated protein ...	Hollingshead, Brett D; Petrulis, John R; Perdew, Gary H	J Biol Chem (2004 Oct 29)	279 / 45652-61	PubMed Citation
The aryl hydrocarbon receptor (AhR) mediates resistance to apoptosis induced in breast cancer cells.	Bekki, Kanae; Vogel, Helena; Li, Wen; Ito, Tomohiro; Sweeney, Colleen; Haarmann-Stemmann, Thomas; Matsumura, Fumio; Vogel, Christoph F A	Pestic Biochem Physiol (2015 May)	120 / 5-13	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 complex and the control of gene expression.	Beischlag, Timothy V; Luis Morales, J; Hollingshead, Brett D; Perdew, Gary H	Crit Rev Eukaryot Gene Expr (2008)	18 / 207-50	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 directly regulates expression of the potent mitogen epiregulin.	Patel, Rushang D; Kim, Dae Joon; Peters, Jeffrey M; Perdew, Gary H	Toxicol Sci (2006 Jan)	89 / 75-82	PubMed Citation
The aryl hydrocarbon receptor displaces p300 from E2F-dependent promoters and represses S phase-spec ...	Marlowe, Jennifer L; Knudsen, Erik S; Schwemberger, Sandy; Puga, Alvaro	J Biol Chem (2004 Jul 9)	279 / 29013-22	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
The Aryl Hydrocarbon Receptor is a Repressor of Inflammation-associated Colorectal Tumorigenesis in ...	Díaz-Díaz, Carol J; Ronnekleiv-Kelly, Sean M; Nukaya, Manabu; Geiger, Peter G; Balbo, Silvia; Dator, Romel; Megna, Bryant W; Carney, Patrick R; Bradfield, Christopher A; Kennedy, Gregory D	Ann Surg (2016 Sep)	264 / 429-36	PubMed Citation
The aryl hydrocarbon receptor mediates leflunomide-induced growth inhibition of melanoma cells.	O'Donnell, Edmond F; Kopparapu, Prasad Rao; Koch, Daniel C; Jang, Hyo Sang; Phillips, Jessica Lynne; Tanguay, Robert L; Kerkvliet, Nancy I; Kolluri, Siva	PLoS One (2012)	7 / e40926	PubMed Citation

	Kumar			
The Aryl-hydrocarbon receptor does not require the p23 co-chaperone for ligand binding and target ge ...	Flaveny, Colin; Perdew, Gary H; Miller 3rd, Charles A	Toxicol Lett (2009 Aug 25)	189 / 57-62	PubMed Citation
The bromodomain protein Brd4 insulates chromatin from DNA damage signalling.	Floyd, Scott R; Pacold, Michael E; Huang, Qiuying; Clarke, Scott M; Lam, Fred C; Cannell, Ian G; Bryson, Bryan D; Rameseder, Jonathan; Lee, Michael J; Blake, Emily J; Fydrych, Anna; Ho, Richard; Greenberger, Benjamin A; Chen, Grace C; Maffa, Amanda; Del Rosario, Amanda M; Root, David E; Carpenter, Anne E; Hahn, William C; Sabatini, David M; Chen, Clark C; White, Forest M; Bradner, James E; Yaffe, Michael B	Nature (2013 Jun 13)	498 / 246-50	PubMed Citation
The combined status of ATM and p53 link tumor development with therapeutic response.	Jiang, Hai; Reinhardt, H Christian; Bartkova, Jirina; Tommiska, Johanna; Blomqvist, Carl; Nevanlinna, Heli; Bartek, Jiri; Yaffe, Michael B; Hemann, Michael T	Genes Dev (2009 Aug 15)	23 / 1895-909	PubMed Citation
The hsp90 Co-chaperone XAP2 alters importin beta recognition of the bipartite nuclear localization s ...	Petrulis, John R; Kusnadi, Ann; Ramadoss, Preeti; Hollingshead, Brett; Perdew, Gary H	J Biol Chem (2003 Jan 24)	278 / 2677-85	PubMed Citation
The mouse and human Ah receptor differ in recognition of LXXLL motifs.	Flaveny, Colin; Reen, Rashmeet K; Kusnadi, Ann; Perdew, Gary H	Arch Biochem Biophys (2008 Mar 15)	471 / 215-23	PubMed Citation
The mTOR-regulated phosphoproteome reveals a mechanism of mTORC1-mediated inhibition of growth facto ...	Hsu, Peggy P; Kang, Seong A; Rameseder, Jonathan; Zhang, Yi; Ottina, Kathleen A; Lim, Daniel; Peterson, Timothy R; Choi, Yongmun; Gray, Nathanael S; Yaffe, Michael B; Marto, Jarrod A; Sabatini, David M	Science (2011 Jun 10)	332 / 1317-22	PubMed Citation

The new aryl hydrocarbon receptor antagonist E/Z-2-benzylindene-5,6-dimethoxy-3,3-dimethylindan-1-on ...	Tigges, Julia; Haarmann-Stemmann, Thomas; Vogel, Christoph F A; Grindel, Annemarie; Hubenthal, Ulrike; Brenden, Heidi; Grether-Beck, Susanne; Vielhaber, Gabriele; Johncock, William; Krutmann, Jean; Fritsche, Ellen	J Invest Dermatol (2014 Feb)	134 / 556-9	PubMed Citation
The p38 MAPK inhibitor SB203580 induces cytochrome P450 1A1 gene expression in murine and human hepa ...	Korashy, Hesham M; Anwar-Mohamed, Anwar; Soshilov, Anatoly A; Denison, Michael S; El-Kadi, Ayman O S	Chem Res Toxicol (2011 Sep 19)	24 / 1540-8	PubMed Citation
The p53-dependent G1 cell cycle checkpoint pathway and ataxia-telangiectasia.	Canman, C E; Wolff, A C; Chen, C Y; Fornace Jr, A J; Kastan, M B	Cancer Res (1994 Oct 1)	54 / 5054-8	PubMed Citation
The p53-dependent gamma-ray response of GADD45.	Zhan, Q; Bae, I; Kastan, M B; Fornace Jr, A J	Cancer Res (1994 May 15)	54 / 2755-60	PubMed Citation
The Q-rich subdomain of the human Ah receptor transactivation domain is required for dioxin-mediated ...	Kumar, M B; Ramadoss, P; Reen, R K; Vanden Heuvel, J P; Perdew, G H	J Biol Chem (2001 Nov 9)	276 / 42302-10	PubMed Citation
The role of chaperone proteins in the aryl hydrocarbon receptor core complex.	Petrulis, John R; Perdew, Gary H	Chem Biol Interact (2002 Sep 20)	141 / 25-40	PubMed Citation
The role of p53 in cell-cycle control and apoptosis: implications for cancer.	Leonard, C J; Canman, C E; Kastan, M B	Important Adv Oncol (1995)	/ 33-42	PubMed Citation
The silencing mediator of retinoic acid and thyroid hormone receptors can interact with the aryl hyd ...	Rushing, S Renée; Denison, Michael S	Arch Biochem Biophys (2002 Jul 15)	403 / 189-201	PubMed Citation
The subdomains of the transactivation domain of the aryl hydrocarbon receptor (AhR) inhibit AhR and ...	Reen, Rashmeet K; Cadwallader, Adam; Perdew, Gary H	Arch Biochem Biophys (2002 Dec 1)	408 / 93-102	PubMed Citation
The transactivation domain of the Ah receptor is a key determinant of cellular localization and liga ...	Ramadoss, Preeti; Perdew, Gary H	Biochemistry (2005 Aug 23)	44 / 11148-59	PubMed Citation
The transcription factor NF-E2-related factor 2 (Nrf2): a protooncogene?	Shelton, Phillip; Jaiswal, Anil K	FASEB J (2013 Feb)	27 / 414-23	PubMed Citation
The transcriptional signature of dioxin in human hepatoma HepG2 cells.	Puga, A; Maier, A; Medvedovic, M	Biochem Pharmacol (2000 Oct 15)	60 / 1129-42	PubMed Citation
The uremic toxin 3-indoxyl sulfate is a potent endogenous agonist for the human aryl hydrocarbon rec ...	Schroeder, Jennifer C; Dinatale, Brett C; Murray, Iain A; Flaveny, Colin A; Liu, Qiang; Laurenzana, Elizabeth M; Lin, Jyh Ming; Strom, Stephen C; Omiecinski, Curtis	Biochemistry (2010 Jan 19)	49 / 393-400	PubMed Citation

	J; Amin, Shantu; Perdew, Gary H			
The Y-box motif mediates redox-dependent transcriptional activation in mouse cells.	Duh, J L; Zhu, H; Shertzer, H G; Nebert, D W; Puga, A	J Biol Chem (1995 Dec 22)	270 / 30499-507	PubMed Citation
Third-generation Ah receptor-responsive luciferase reporter plasmids: amplification of dioxin-respon ...	He, Guochun; Tsutsumi, Tomoaki; Zhao, Bin; Baston, David S; Zhao, Jing; Heath-Pagliuso, Sharon; Denison, Michael S	Toxicol Sci (2011 Oct)	123 / 511-22	PubMed Citation
Tolerogenic dendritic cells.	Takenaka, Maisa C; Quintana, Francisco J	Semin Immunopathol (2016 Sep 19)	/	PubMed Citation
Transcriptional and posttranslational inhibition of dioxin-mediated induction of CYP1A1 by harmine a ...	El Gendy, Mohamed A M; Soshilov, Anatoly A; Denison, Michael S; El-Kadi, Ayman O S	Toxicol Lett (2012 Jan 5)	208 / 51-61	PubMed Citation
Transgenic Humanized AHR Mouse Reveals Differences between Human and Mouse AHR Ligand Selectivity.	Flaveny, Colin A; Perdew, Gary H	Mol Cell Pharmacol (2009 Jan 1)	1 / 119-123	PubMed Citation
Transgenic Overexpression of Aryl Hydrocarbon Receptor Repressor (AhRR) and AhR-Mediated Induction o ...	Vogel, Christoph F A; Chang, W L William; Kado, Sarah; McCulloh, Kelly; Vogel, Helena; Wu, Dalei; Haarmann-Stemmann, Thomas; Yang, GuoXiang; Leung, Patrick S C; Matsumura, Fumio; Gershwin, M Eric	Environ Health Perspect (2016 Jul)	124 / 1071-83	PubMed Citation
Tumor-suppressor p53: implications for tumor development and prognosis.	Kirsch, D G; Kastan, M B	J Clin Oncol (1998 Sep)	16 / 3158-68	PubMed Citation
Use of 2-azido-3-[125I]iodo-7,8-dibromodibenzo-p-dioxin as a probe to determine the relative ligand ...	Ramadoss, Preeti; Perdew, Gary H	Mol Pharmacol (2004 Jul)	66 / 129-36	PubMed Citation
Use of [125I]4'-iodoflavone as a tool to characterize ligand-dependent differences in Ah receptor be ...	Swanson, Hollie I; Whitelaw, Murray L; Petrulis, John R; Perdew, Gary H	J Biochem Mol Toxicol (2002)	16 / 298-310	PubMed Citation
WAF1/CIP1 is induced in p53-mediated G1 arrest and apoptosis.	el-Deiry, W S; Harper, J W; O'Connor, P M; Velculescu, V E; Canman, C E; Jackman, J; Pietenpol, J A; Burrell, M; Hill, D E; Wang, Y	Cancer Res (1994 Mar 1)	54 / 1169-74	PubMed Citation
Wild-type p53 is a cell cycle checkpoint determinant following irradiation.	Kuerbitz, S J; Plunkett, B S; Walsh, W V; Kastan, M B	Proc Natl Acad Sci U S A (1992 Aug 15)	89 / 7491-5	PubMed Citation

Xenobiotic metabolism, disposition, and regulation by receptors: from biochemical phenomenon to pred ...	Omiecinski, Curtis J; Vanden Heuvel, John P; Perdew, Gary H; Peters, Jeffrey M	Toxicol Sci (2011 Mar)	120 Suppl 1 / S49-75	PubMed Citation