Project Title:	Training Program in Environmental Health Sciences
PI:	Wills-Karp, Marsha
Institution:	Johns Hopkins University
Grant Number:	T32ES007141

These search results have not been confirmed by NIEHS and are therefore, not official. They are to be used only for general information and to inform the public and grantees on the breadth of research funded by NIEHS.

Viewing 366 publications
Print version (PDF) (http://www.niehs.nih.gov//portfolio/index.cfm/portfolio/grantpubdetail/grant_number/T32ES007141/format/word)

Publication Title	Authors	Journal (Pub date)	Volume/Page	PubMed Link
17 beta-estradiol hydroxylation catalyzed by human cytochrome P450 1B1.	Hayes, C L; Spink, D C; Spink, B C; Cao, J Q; Walker, N J; Sutter, T R	Proc Natl Acad Sci U S A (1996 Sep 3)	93 / 9776-81	PubMed Citation
A control system for cDNA enrichment reactions.	Gastel, J A; Sutter, T R	Biotechniques (1996 May)	20 / 870-5	PubMed Citation
A direct method for e-cigarette aerosol sample collection.	Olmedo, Pablo; Navas-Acien, Ana; Hess, Catherine; Jarmul, Stephanie; Rule, Ana	Environ Res (2016 Aug)	149 / 151-6	PubMed Citation
A fraction of yeast Cu,Zn-superoxide dismutase and its metallochaperone, CCS, localize to the interm ...	Sturtz, L A; Diekert, K; Jensen, L T; Lill, R; Culotta, V C	J Biol Chem (2001 Oct 12)	276 / 38084-9	PubMed Citation
A histone methylation-dependent DNA methylation pathway is uniquely impaired by deficiency in Arabid ...	Mull, Lori; Ebbs, Michelle L; Bender, Judith	Genetics (2006 Nov)	174 / 1161-71	PubMed Citation
A mouse model of chronic prostatic inflammation using a human prostate cancer-derived isolate of Pro ...	Shinohara, Debika Biswal; Vaghasia, Ajay M; Yu, Shu-Han; Mak, Tim N; Bruggemann, Holger; Nelson, William G; De Marzo, Angelo M; Yegnasubramanian, Srinivasan; Sfanos, Karen S	Prostate (2013 Jun)	73 / 1007-15	PubMed Citation
A novel NADH kinase is the mitochondrial source of NADPH in Saccharomyces cerevisiae.	Outten, Caryn E; Culotta, Valeria C	EMBO J (2003 May 1)	22 / 2015-24	PubMed Citation
A population-based study of the epidemiology and clinical features of methicillin-resistant Staphylo ...	Casey, J A; Cosgrove, S E; Stewart, W F; Pollak, J; Schwartz, B S	Epidemiol Infect (2013 Jun)	141 / 1166-79	PubMed Citation
A Scanning Transmission Electron Microscopy Method for Determining Manganese Composition in Welding ...	Richman, Julie D; Livi, Kenneth J T; Geyh, Alison S	J Aerosol Sci (2011 Jun)	42 / 408-418	PubMed Citation
A virus capsid-like nanocompartment that stores iron and protects bacteria from oxidative stress.	McHugh, Colleen A; Fontana, Juan; Nemecek, Daniel; Cheng, Naiqian; Aksyuk, Anastasia A; Heymann, J Bernard; Winkler, Dennis C; Lam, Alan S; Wall, Joseph S; Steven, Alasdair C; Hoiczyk, Egbert	EMBO J (2014 Sep 1)	33 / 1896-911	PubMed Citation
Aberrant 5'-CpG Methylation of Cord Blood TNFα Associated with Maternal Exposure to Polybrominated D ...	Dao, Tyna; Hong, Xiumei; Wang, Xiaobin; Tang, Wan-Yee	PLoS One (2015)	10 / e0138815	PubMed Citation
Abnormal exhaled ethane concentrations in scleroderma.	Cope, K A; Solga, S F; Hummers, L K; Wigley, F M; Diehl, A M; Risby, T H	Biomarkers (2006 Jan-Feb)	11 / 70-84	PubMed Citation
Activation of Cu,Zn-superoxide dismutase in the absence of oxygen and the copper chaperone CCS.	Leitch, Jeffry M; Jensen, Laran T; Bouldin, Samantha D; Outten, Caryn E; Hart, P John; Culotta, Valeria C	J Biol Chem (2009 Aug 14)	284 / 21863-71	PubMed Citation

Acute ischaemic stroke or transient ischaemic attack and the need for inpatient echocardiography.	Menon, Bijoy K; Coulter, Jonathan I; Bal, Simerpreet; Godzwon, Catherine; Weeks, Sarah; Hutchison, Stuart; Hill, Michael D; Coutts, Shelagh B	Postgrad Med J (2014 Aug)	90 / 434-8	PubMed Citation
Acute ototoxicity of trialkyltins in the guinea pig.	Clerici, W J; Ross Jr, B; Fechter, L D	Toxicol Appl Pharmacol (1991 Jul)	109 / 547-56	PubMed Citation
Adenovirus early region 4 and viral DNA synthesis.	Bridge, E; Medghalchi, S; Ubol, S; Leesong, M; Ketner, G	Virology (1993 Apr)	193 / 794-801	PubMed Citation
Aflatoxin B1--DNA adduct formation in rat liver following exposure by aerosol inhalation.	Zarba, A; Hmieleski, R; Hemenway, D R; Jakab, G J; Groopman, J D	Carcinogenesis (1992 Jun)	13 / 1031-3	PubMed Citation
Aflatoxin M1 in human breast milk from The Gambia, west Africa, quantified by combined monoclonal an ...	Zarba, A; Wild, C P; Hall, A J; Montesano, R; Hudson, G J; Groopman, J D	Carcinogenesis (1992 May)	13 / 891-4	PubMed Citation
Aflatoxins isolated by immunoaffinity chromatography from foods consumed in The Gambia, West Africa.	Hudson, G J; Wild, C P; Zarba, A; Groopman, J D	Nat Toxins (1992)	1 / 100-5	PubMed Citation
Alteration of G protein levels in antigen-challenged guinea pigs.	Lee, J Y; Uchida, Y; Sakamoto, T; Hirata, A; Hasegawa, S; Hirata, F	J Pharmacol Exp Ther (1994 Dec)	271 / 1713-20	PubMed Citation
Alterations of the lung methylome in allergic airway hyper-responsiveness.	Cheng, Robert Ys; Shang, Yan; Limjunyawong, Nathachit; Dao, Tyna; Das, Sandhya; Rabold, Richard; Sham, James Sk; Mitzner, Wayne; Tang, Wan-Yee	Environ Mol Mutagen (2014 Apr)	55 / 244-55	PubMed Citation
An association between the allele coding for a low activity variant of catechol-O-methyltransferase ...	Lavigne, J A; Helzlsouer, K J; Huang, H Y; Strickland, P T; Bell, D A; Selmin, O; Watson, M A; Hoffman, S; Comstock, G W; Yager, J D	Cancer Res (1997 Dec 15)	57 / 5493-7	PubMed Citation
An initial linkage map of the West Nile Virus vector Culex tarsalis.	Venkatesan, M; Broman, K W; Sellers, M; Rasgon, J L	Insect Mol Biol (2009 Aug)	18 / 453-63	PubMed Citation
An internal rearrangement in an Arabidopsis inverted repeat locus impairs DNA methylation triggered ...	Melquist, Stacey; Bender, Judith	Genetics (2004 Jan)	166 / 437-48	PubMed Citation
Analysis of Draize eye irritation testing and its prediction by mining publicly available 2008-2014 ...	Luechtefeld, Thomas; Maertens, Alexandra; Russo, Daniel P; Rovida, Costanza; Zhu, Hao; Hartung, Thomas	ALTEX (2016)	33 / 123-34	PubMed Citation
Analysis of hypoxia and hypoxia-like states through metabolite profiling.	Gleason, Julie E; Corrigan, David J; Cox, James E; Reddi, Amit R; McGinnis, Lauren A; Culotta, Valeria C	PLoS One (2011)	6 / e24741	PubMed Citation
Analysis of public oral toxicity data from REACH registrations 2008-2014.	Luechtefeld, Thomas; Maertens, Alexandra; Russo, Daniel P; Rovida, Costanza; Zhu, Hao; Hartung, Thomas	ALTEX (2016)	33 / 111-22	PubMed Citation
Analysis of publically available skin sensitization data from REACH registrations 2008-2014.	Luechtefeld, Thomas; Maertens, Alexandra; Russo, Daniel P; Rovida, Costanza; Zhu, Hao; Hartung, Thomas	ALTEX (2016)	33 / 135-48	PubMed Citation
Anatomical patterns of colonization of pets with staphylococcal species in homes of people with meth ...	Iverson, S A; Brazil, A M; Ferguson, J M; Nelson, K; Lautenbach, E; Rankin, S C; Morris, D O; Davis, M F	Vet Microbiol (2015 Mar 23)	176 / 202-8	PubMed Citation
Antibody levels to recombinant tick calreticulin increase in humans after exposure to Ixodes scapula ...	Sanders, M L; Glass, G E; Nadelman, R B; Wormser, G P; Scott, A L; Raha, S; Ritchie, B C; Jaworski, D C; Schwartz, B S	Am J Epidemiol (1999 Apr 15)	149 / 777-84	PubMed Citation

Antibody to a cDNA-derived calreticulin protein from Amblyomma americanum as a biomarker of tick exp ...	Sanders, M L; Jaworski, D C; Sanchez, J L; DeFraites, R F; Glass, G E; Scott, A L; Raha, S; Ritchie, B C; Needham, G R; Schwartz, B S	Am J Trop Med Hyg (1998 Aug)	59 / 279-85	PubMed Citation
Antigen-specific IgG1-mediated epidermal cell injury: a component of contact hypersensitivity reacti ...	Moore, K G; Dannenberg Jr, A M	J Invest Dermatol (1992 Jun)	98 / 929-35	PubMed Citation
Arabidopsis PAI gene arrangements, cytosine methylation and expression.	Melquist, S; Luff, B; Bender, J	Genetics (1999 Sep)	153 / 401-13	PubMed Citation
Arsenic and Chronic Kidney Disease: A Systematic Review.	Zheng, Laura; Kuo, Chin-Chi; Fadrowski, Jeffrey; Agnew, Jackie; Weaver, Virginia M; Navas-Acien, Ana	Curr Environ Health Rep (2014 Sep 1)	1 / 192-207	PubMed Citation
Association of matrix metalloproteinase-1 polymorphisms with risk of COPD and lung cancer and surviv ...	Enewold, Lindsey; Mechanic, Leah E; Bowman, Elise D; Platz, Elizabeth A; Alberg, Anthony J	Anticancer Res (2012 Sep)	32 / 3917-22	PubMed Citation
Associations of bone mineral density and lead levels in blood, tibia, and patella in urban-dwelling ...	Theppeang, Keson; Glass, Thomas A; Bandeen-Roche, Karen; Todd, Andrew C; Rohde, Charles A; Links, Jonathan M; Schwartz, Brian S	Environ Health Perspect (2008 Jun)	116 / 784-90	PubMed Citation
ATP synthesis, mitochondrial function, and steroid biosynthesis in rodent primary and tumor Leydig c ...	Midzak, Andrew S; Chen, Haolin; Aon, Miguel A; Papadopoulos, Vassilios; Zirkin, Barry R	Biol Reprod (2011 May)	84 / 976-85	PubMed Citation
BacM, an N-terminally processed bactofilin of Myxococcus xanthus, is crucial for proper cell shape.	Koch, Matthias K; McHugh, Colleen A; Hoiczyk, Egbert	Mol Microbiol (2011 May)	80 / 1031-51	PubMed Citation
Bioaccumulation of triclocarban in Lumbriculus variegatus.	Higgins, Christopher P; Paesani, Zachary J; Chalew, Talia E Abbott; Halden, Rolf U	Environ Toxicol Chem (2009 Dec)	28 / 2580-6	PubMed Citation
Biochemical quantitation and histochemical localization of cathepsin B, dipeptidyl peptidases I and ...	Randell, S H; Sannes, P L	Inflammation (1988 Feb)	12 / 67-86	PubMed Citation
Biological effects of CCS in the absence of SOD1 enzyme activation: implications for disease in a mo ...	Proescher, Jody B; Son, Marjatta; Elliott, Jeffrey L; Culotta, Valeria C	Hum Mol Genet (2008 Jun 15)	17 / 1728-37	PubMed Citation
Biologically bounded risk assessment for receptor-mediated nongenotoxic carcinogens.	Gastel, J A; Sutter, T R	Regul Toxicol Pharmacol (1995 Dec)	22 / 273-82	PubMed Citation
Blood mercury levels and neurobehavioral function.	Weil, Megan; Bressler, Joseph; Parsons, Patrick; Bolla, Karen; Glass, Thomas; Schwartz, Brian	JAMA (2005 Apr 20)	293 / 1875-82	PubMed Citation
Borrelia burgdorferi ospC heterogeneity among human and murine isolates from a defined region of nor ...	Alghaferi, Muneera Y; Anderson, Jennifer M; Park, Jinho; Auwaerter, Paul G; Aucott, John N; Norris, Douglas E; Dumler, J Stephen	J Clin Microbiol (2005 Apr)	43 / 1879-84	PubMed Citation
Breath biomarkers and non-alcoholic fatty liver disease: preliminary observations.	Solga, S F; Alkhuraishe, A; Cope, K; Tabesh, A; Clark, J M; Torbenson, M; Schwartz, P; Magnuson, T; Diehl, A M; Risby, T H	Biomarkers (2006 Mar-Apr)	11 / 174-83	PubMed Citation

Building shared experience to advance practical application of pathway-based toxicology: liver toxic ...	Willett, Catherine; Caverly Rae, Jessica; Goyak, Katy O; Minsavage, Gary; Westmoreland, Carl; Andersen, Melvin; Avigan, Mark; Duché, Daniel; Harris, Georgina; Hartung, Thomas; Jaeschke, Hartmut; Kleensang, Andre; Landesmann, Brigitte; Martos, Suzanne; Matevia, Marilyn; Toole, Colleen; Rowan, Andrew; Schultz, Terry; Seed, Jennifer; Senior, John; Shah, Imran; Subramanian, Kalyanasundaram; Vinken, Mathieu; Watkins, Paul	ALTEX (2014)	31 / 500-19	PubMed Citation
Calcium/calmodulin-dependent protein kinase II activity and expression are altered in the hippocampu ...	Toscano, Christopher D; O'Callaghan, James P; Guilarte, Tomas R	Brain Res (2005 May 17)	1044 / 51-8	PubMed Citation
Candida albicans adapts to host copper during infection by swapping metal cofactors for superoxide d ...	Li, Cissy X; Gleason, Julie E; Zhang, Sean X; Bruno, Vincent M; Cormack, Brendan P; Culotta, Valeria Cizewski	Proc Natl Acad Sci U S A (2015 Sep 22)	112 / E5336-42	PubMed Citation
Cardiac-specific over-expression of epidermal growth factor receptor 2 (ErbB2) induces pro-survival ...	Sysa-Shah, Polina; Xu, Yi; Guo, Xin; Belmonte, Frances; Kang, Byunghak; Bedja, Djahida; Pin, Scott; Tsuchiya, Noriko; Gabrielson, Kathleen	PLoS One (2012)	7 / e42805	PubMed Citation
Catalysis of acetoin formation by brewers' yeast pyruvate decarboxylase isozymes.	Stivers, J T; Washabaugh, M W	Biochemistry (1993 Dec 14)	32 / 13472-82	PubMed Citation
Catechol-O-methyltransferase low activity genotype (COMTLL) is associated with low levels of COMT pr ...	Doyle, Anne E Sullivan; Goodman, Julie E; Silber, Paul M; Yager, James D	Cancer Lett (2004 Oct 28)	214 / 189-95	PubMed Citation
Catechol-O-methyltransferase polymorphism is not associated with ovarian cancer risk.	Goodman, J E; Lavigne, J A; Hengstler, J G; Tanner, B; Helzlsouer, K J; Yager, J D	Cancer Epidemiol Biomarkers Prev (2000 Dec)	9 / 1373-6	PubMed Citation
Catechol-O-methyltransferase: characteristics, polymorphisms and role in breast cancer.	Yager, James D	Drug Discov Today Dis Mech (2012 Jun 1)	9 / e41-e46	PubMed Citation
Catechol-O-methyltransferase: effects of the val108met polymorphism on protein turnover in human cel ...	Doyle, Anne E; Yager, James D	Biochim Biophys Acta (2008 Jan)	1780 / 27-33	PubMed Citation
Cellular factors required for protection from hyperoxia toxicity in Saccharomyces cerevisiae.	Outten, Caryn E; Falk, Robert L; Culotta, Valeria C	Biochem J (2005 May 15)	388 / 93-101	PubMed Citation
Characterization of human soluble high and low activity catechol-O-methyltransferase catalyzed catec ...	Goodman, Julie E; Jensen, Laran T; He, Ping; Yager, James D	Pharmacogenetics (2002 Oct)	12 / 517-28	PubMed Citation
Characterization of murine autoimmune myocarditis induced by self and foreign cardiac myosin.	Wang, Y; Afanasyeva, M; Hill, S L; Rose, N R	Autoimmunity (1999)	31 / 151-62	PubMed Citation
Characterization of phagolysosomal simulant fluid for study of beryllium aerosol particle dissolutio ...	Stefaniak, A B; Guilmette, R A; Day, G A; Hoover, M D; Breysse, P N; Scripsick, R C	Toxicol In Vitro (2005 Feb)	19 / 123-34	PubMed Citation
Characterization of physicochemical properties of beryllium aerosols associated with prevalence of c ...	Stefaniak, Aleksandr B; Hoover, Mark D; Day, Gregory A; Dickerson, Robert M; Peterson, Eric J; Kent, Michael S; Schuler, Christine R; Breysse, Patrick N; Scripsick, Ronald C	J Environ Monit (2004 Jun)	6 / 523-32	PubMed Citation
Characterization of the dose-response of CYP1B1, CYP1A1, and CYP1A2 in the liver of female Sprague-D ...	Walker, N J; Portier, C J; Lax, S F; Crofts, F G; Li, Y; Lucier, G W; Sutter, T R	Toxicol Appl Pharmacol (1999 Feb 1)	154 / 279-86	PubMed Citation

Characterization of the sex-dependent myocardial S-nitrosothiol proteome.	Shao, Qin; Fallica, Jonathan; Casin, Kevin M; Murphy, Elizabeth; Steenbergen, Charles; Kohr, Mark J	Am J Physiol Heart Circ Physiol (2016 Feb 15)	310 / H505-15	PubMed Citation
Chemical and genetic strategies for manipulating polyubiquitin chain structure.	Volk, Sara; Wang, Min; Pickart, Cecile M	Methods Enzymol (2005)	399 / 3-20	PubMed Citation
Chlorpyrifos and chlorpyrifos-oxon inhibit axonal growth by interfering with the morphogenic activit ...	Yang, Dongren; Howard, Angela; Bruun, Donald; Ajua-Alemanj, Mispa; Pickart, Cecile; Lein, Pamela J	Toxicol Appl Pharmacol (2008 Apr 1)	228 / 32-41	PubMed Citation
Chronic cigarette smoke causes oxidative damage and apoptosis to retinal pigmented epithelial cells ...	Fujihara, Masashi; Nagai, Norihiro; Sussan, Thomas E; Biswal, Shyam; Handa, James T	PLoS One (2008 Sep 01)	3 / e3119	PubMed Citation
Co-circulating microorganisms in questing Ixodes scapularis nymphs in Maryland.	Swanson, Katherine I; Norris, Douglas E	J Vector Ecol (2007 Dec)	32 / 243-51	PubMed Citation
Comparison of oxidant activities and the activation of benzo(a)pyrene-7,8-dihydrodiol by polymorphon ...	Trush, M A; Twerdok, L E; Esterline, R L	Xenobiotica (1990 Sep)	20 / 925-32	PubMed Citation
Comparison of oxidant-generation and BP-diol activation by bone marrow cells from C57Bl/6 and DBA/2 ...	Twerdok, L E; Mosebrook, D R; Trush, M A	Toxicol Appl Pharmacol (1992 Feb)	112 / 266-72	PubMed Citation
Comparison of the interleukin-1β-inducing potency of allergenic spores from higher fungi (basidiomyc ...	Rivera-Mariani, Félix E; Vysyaraju, Kranthi; Negherbon, Jesse; Levetin, Estelle; Horner, W Elliot; Hartung, Thomas; Breysse, Patrick N	Int Arch Allergy Immunol ()	163 / 154-62	PubMed Citation
COMT genotype, micronutrients in the folate metabolic pathway and breast cancer risk.	Goodman, J E; Lavigne, J A; Wu, K; Helzlsouer, K J; Strickland, P T; Selhub, J; Yager, J D	Carcinogenesis (2001 Oct)	22 / 1661-5	PubMed Citation
Construction of an efficient overproducer clone of HinfI restriction endonuclease using the polymera ...	Skoglund, C M; Smith, H O; Chandrasegaran, S	Gene (1990 Mar 30)	88 / 1-5	PubMed Citation
Contribution of the innate immune system to autoimmune myocarditis: a role for complement.	Kaya, Z; Afanasyeva, M; Wang, Y; Dohmen, K M; Schlichting, J; Tretter, T; Fairweather, D; Holers, V M; Rose, N R	Nat Immunol (2001 Aug)	2 / 739-45	PubMed Citation
Copper activation of superoxide dismutase 1 (SOD1) in vivo. Role for protein-protein interactions wi ...	Schmidt, P J; Kunst, C; Culotta, V C	J Biol Chem (2000 Oct 27)	275 / 33771-6	PubMed Citation
Copper chaperones: personal escorts for metal ions.	Field, Lori Sturtz; Luk, Edward; Culotta, Valeria Cizewski	J Bioenerg Biomembr (2002 Oct)	34 / 373-9	PubMed Citation
CRS5 encodes a metallothionein-like protein in Saccharomyces cerevisiae.	Culotta, V C; Howard, W R; Liu, X F	J Biol Chem (1994 Oct 14)	269 / 25295-302	PubMed Citation
Cryopreserved human whole blood: a human-based in vitro immunotoxicological system.	Rivera-Mariani, Felix E	Altern Lab Anim (2013 Dec)	41 / 483-90	PubMed Citation
Cutting edge: cross-regulation by TLR4 and T cell Ig mucin-3 determines sex differences in inflammat ...	Frisancho-Kiss, Sylvia; Davis, Sarah E; Nyland, Jennifer F; Frisancho, J Augusto; Cihakova, Daniela; Barrett, Masheka A; Rose, Noel R; Fairweather, Delisa	J Immunol (2007 Jun 1)	178 / 6710-4	PubMed Citation
Cutting edge: T cell Ig mucin-3 reduces inflammatory heart disease by increasing CTLA-4 during innat ...	Frisancho-Kiss, Sylvia; Nyland, Jennifer F; Davis, Sarah E; Barrett, Masheka A; Gatewood, Shannon J L; Njoku, Dolores B; Cihakova, Daniela; Silbergeld, Ellen K; Rose, Noel R; Fairweather, DeLisa	J Immunol (2006 Jun 1)	176 / 6411-5	PubMed Citation

Cytochemical localization and biochemical evaluation of a lysosomal serine protease in lung: dipepti ...	Randell, S H; Sannes, P L	J Histochem Cytochem (1985 Jul)	33 / 677-86	PubMed Citation
Deciphering the intracellular fate of Propionibacterium acnes in macrophages.	Fischer, Natalie; Mak, Tim N; Shinohara, Debika Biswal; Sfanos, Karen S; Meyer, Thomas F; Bruggemann, Holger	Biomed Res Int (2013)	2013 / 603046	PubMed Citation
Detection of Borrelia burgdorferi DNA in lizards from Southern Maryland.	Swanson, Katherine I; Norris, Douglas E	Vector Borne Zoonotic Dis (2007)	7 / 42-9	PubMed Citation
Detection of codon 12 point mutations of the K-ras gene from mouse lung adenocarcinoma by 'enriched' ...	Zhang, Y; Woloschak, G E	Int J Radiat Biol (1998 Jul)	74 / 43-51	PubMed Citation
Developmental Pb2+ exposure alters NMDAR subtypes and reduces CREB phosphorylation in the rat brain.	Toscano, Christopher D; Hashemzadeh-Gargari, Hossein; McGlothan, Jennifer L; Guilarte, Tomas R	Brain Res Dev Brain Res (2002 Dec 15)	139 / 217-26	PubMed Citation
Differences in dissolution behavior in a phagolysosomal simulant fluid for single-constituent and mu ...	Stefaniak, Aleksandr B; Day, Gregory A; Hoover, Mark D; Breysse, Patrick N; Scripsick, Ronald C	Toxicol In Vitro (2006 Feb)	20 / 82-95	PubMed Citation
Differences in quinone reductase activity in primary bone marrow stromal cells derived from C57BL/6 ...	Twerdok, L E; Trush, M A	Res Commun Chem Pathol Pharmacol (1990 Mar)	67 / 375-86	PubMed Citation
Differential immunotoxic effects of inorganic and organic mercury species in vitro.	Gardner, Renee M; Nyland, Jennifer F; Silbergeld, Ellen K	Toxicol Lett (2010 Oct 5)	198 / 182-90	PubMed Citation
Differential single-stranded DNA binding properties of the paralogous SsbA and SsbB proteins from St ...	Grove, Diane E; Willcox, Smaranda; Griffith, Jack D; Bryant, Floyd R	J Biol Chem (2005 Mar 25)	280 / 11067-73	PubMed Citation
Dihydroorotase from Escherichia coli. Cloning the pyrC gene and production of tryptic peptide maps.	Brown, D C; Collins, K D	J Biol Chem (1986 May 5)	261 / 5917-9	PubMed Citation
Dimerization of Escherichia coli UvrA and its binding to undamaged and ultraviolet light damaged DNA ...	Mazur, S J; Grossman, L	Biochemistry (1991 May 7)	30 / 4432-43	PubMed Citation
Discovery and replication of a peripheral tissue DNA methylation biosignature to augment a suicide p ...	Clive, Makena L; Boks, Marco P; Vinkers, Christiaan H; Osborne, Lauren M; Payne, Jennifer L; Ressler, Kerry J; Smith, Alicia K; Wilcox, Holly C; Kaminsky, Zachary	Clin Epigenetics (2016)	8 / 113	PubMed Citation
Disruption of Nrf2, a key inducer of antioxidant defenses, attenuates ApoE-mediated atherosclerosis ...	Sussan, Thomas E; Jun, Jonathan; Thimmulappa, Rajesh; Bedja, Djahida; Antero, Maria; Gabrielson, Kathleen L; Polotsky, Vsevolod Y; Biswal, Shyam	PLoS One (2008)	3 / e3791	PubMed Citation
Dissociation of nitric oxide generation and kainate-mediated neuronal degeneration in primary cultur ...	Puttfarcken, P S; Lyons, W E; Coyle, J T	Neuropharmacology (1992 Jun)	31 / 565-75	PubMed Citation
Distinct roles of DNMT1-dependent and DNMT1-independent methylation patterns in the genome of mouse ...	Li, Zhiguang; Dai, Hongzheng; Martos, Suzanne N; Xu, Beisi; Gao, Yang; Li, Teng; Zhu, Guangjing; Schones, Dustin E; Wang, Zhibin	Genome Biol (2015)	16 / 115	PubMed Citation
Distribution of serotonin 5-HT1C receptor mRNA in adult rat brain.	Hoffman, B J; Mezey, E	FEBS Lett (1989 Apr 24)	247 / 453-62	PubMed Citation
DnaJ dramatically stimulates ATP hydrolysis by DnaK: insight into targeting of Hsp70 proteins to pol ...	Russell, R; Wali Karzai, A; Mehl, A F; McMacken, R	Biochemistry (1999 Mar 30)	38 / 4165-76	PubMed Citation
E-cigarette use in air transit: self-reported data from US flight attendants.	Stillman, Frances A; Soong, Andrea; Zheng, Laura Y; Navas-Acien, Ana	Tob Control (2015 Jul)	24 / 417-8	PubMed Citation

E-cigarettes as a source of toxic and potentially carcinogenic metals.	Hess, Catherine Ann; Olmedo, Pablo; Navas-Acien, Ana; Goessler, Walter; Cohen, Joanna E; Rule, Ana Maria	Environ Res (2017 Jan)	152 / 221-225	PubMed Citation
Early Life Metabolism of Bisphenol A: A Systematic Review of the Literature.	Nachman, Rebecca M; Hartle, Jennifer C; Lees, Peter S J; Groopman, John D	Curr Environ Health Rep (2014 Mar)	1 / 90-100	PubMed Citation
Effect of Mg2+ on the DNA binding modes of the Streptococcus pneumoniae SsbA and SsbB proteins.	Grove, Diane E; Bryant, Floyd R	J Biol Chem (2006 Jan 27)	281 / 2087-94	PubMed Citation
Effect of myxothiazol on Leydig cell steroidogenesis: inhibition of luteinizing hormone-mediated tes ...	Midzak, Andrew S; Liu, June; Zirkin, Barry R; Chen, Haolin	Endocrinology (2007 Jun)	148 / 2583-90	PubMed Citation
Effect of PMMA particles and movement on an implant interface in a canine model.	Jones, L C; Frondoza, C; Hungerford, D S	J Bone Joint Surg Br (2001 Apr)	83 / 448-58	PubMed Citation
Effects of chronic carbon disulfide inhalation on sensory and motor function in the rat.	Clerici, W J; Fechter, L D	Neurotoxicol Teratol (1991 May-Jun)	13 / 249-55	PubMed Citation
Effects of chronic manganese exposure on glutamatergic and GABAergic neurotransmitter markers in the ...	Burton, Neal C; Schneider, Jay S; Syversen, Tore; Guilarte, Tomas R	Toxicol Sci (2009 Sep)	111 / 131-9	PubMed Citation
Effects of ethanol and acetaldehyde on reactive oxygen species production in rat hepatic stellate ce ...	Novitskiy, Gennadiy; Traore, Kassim; Wang, Lan; Trush, Michael A; Mezey, Esteban	Alcohol Clin Exp Res (2006 Aug)	30 / 1429-35	PubMed Citation
Effects of Ubiquitin C-Terminal Hydrolase L1 (UCH-L1) inhibition on sperm incorporation and cortical ...	Christianson, Mindy S; Gerolstein, Amanda L; Lee, Hyo J; Monseur, Brent C; Robinson, Douglas N; Evans, Janice P	Mol Reprod Dev (2016 Mar)	83 / 188-9	PubMed Citation
Effects of ventilation on the collection of exhaled breath in humans.	Cope, Keary A; Watson, Michael T; Foster, W Michael; Sehnert, Shelley S; Risby, Terence H	J Appl Physiol (2004 Apr)	96 / 1371-9	PubMed Citation
EGF receptor signaling blocks aryl hydrocarbon receptor-mediated transcription and cell differentiat ...	Sutter, Carrie Hayes; Yin, Hong; Li, Yunbo; Mammen, Jennifer S; Bodreddigari, Sridevi; Stevens, Gaylene; Cole, Judith A; Sutter, Thomas R	Proc Natl Acad Sci U S A (2009 Mar 17)	106 / 4266-71	PubMed Citation
Elusive inheritance: Transgenerational effects and epigenetic inheritance in human environmental dis ...	Martos, Suzanne N; Tang, Wan-Yee; Wang, Zhibin	Prog Biophys Mol Biol (2015 Jul)	118 / 44-54	PubMed Citation
Enhanced effectiveness of copper ion buffering by CUP1 metallothionein compared with CRS5 metallothi ...	Jensen, L T; Howard, W R; Strain, J J; Winge, D R; Culotta, V C	J Biol Chem (1996 Aug 2)	271 / 18514-9	PubMed Citation
Enhanced levels of several mitochondrial mRNA transcripts and mitochondrial superoxide production du ...	Chen, J; Gokhale, M; Li, Y; Trush, M A; Yager, J D	Carcinogenesis (1998 Dec)	19 / 2187-93	PubMed Citation
Enhanced nitric oxide production during lead (Pbýýýýý) exposure recovers protein expression but not ...	Neal, April P; Stansfield, Kirstie H; Guilarte, Tomas R	Brain Res (2012 Feb 23)	1439 / 88-95	PubMed Citation
Enhancement of butylated hydroxytoluene-induced mouse lung damage by butylated hydroxyanisole.	Thompson, D C; Trush, M A	Toxicol Appl Pharmacol (1988 Oct)	96 / 115-21	PubMed Citation
Enhancement of chemical activation via radical-dependent mechanisms: an emerging concept in chemical ...	Trush, M A; Thompson, D C	Basic Life Sci (1988)	49 / 739-44	PubMed Citation
Enhancement of the peroxidase-mediated oxidation of butylated hydroxytoluene to a quinone methide by ...	Thompson, D C; Trush, M A	Chem Biol Interact (1989)	72 / 157-73	PubMed Citation
Environmental enrichment reverses cognitive and molecular deficits induced by developmental lead exp ...	Guilarte, Tomas R; Toscano, Christopher D; McGlothan, Jennifer L; Weaver, Shelley A	Ann Neurol (2003 Jan)	53 / 50-6	PubMed Citation

Enzyme-mediated dialdehyde formation: an alternative pathway for benzo[a]pyrene 7,8-dihydrodiol bioa ...	Stansbury, K H; Noll, D M; Groopman, J D; Trush, M A	Chem Res Toxicol (2000 Nov)	13 / 1174-80	PubMed Citation
Epidemiology of human aflatoxin exposures and their relationship to liver cancer.	Groopman, J D; Scholl, P; Wang, J S	Prog Clin Biol Res (1996)	395 / 211-22	PubMed Citation
Epitopes on thyroglobulin: a study of patients with thyroid disease.	Caturegli, P; Mariotti, S; Kuppers, R C; Burek, C L; Pinchera, A; Rose, N R	Autoimmunity (1994)	18 / 41-9	PubMed Citation
Equivalence of influenza A virus RNA recovery from nasal swabs when lysing the swab and storage medi ...	Nadimpalli, Maya; Pisanic, Nora; Heaney, Christopher D; Stewart, Jill	J Virol Methods (2015 Jun 1)	217 / 14-7	PubMed Citation
ErbB2 overexpression upregulates antioxidant enzymes, reduces basal levels of reactive oxygen specie ...	Belmonte, Frances; Das, Samarjit; Sysa-Shah, Polina; Sivakumaran, Vidhya; Stanley, Brian; Guo, Xin; Paolocci, Nazareno; Aon, Miguel A; Nagane, Masaki; Kuppusamy, Periannan; Steenbergen, Charles; Gabrielson, Kathleen	Am J Physiol Heart Circ Physiol (2015 Oct)	309 / H1271-80	PubMed Citation
ESR identification of free radicals formed from the oxidation of catechol estrogens by Cu2+.	Seacat, A M; Kuppusamy, P; Zweier, J L; Yager, J D	Arch Biochem Biophys (1997 Nov 1)	347 / 45-52	PubMed Citation
Evaluating nanoparticle breakthrough during drinking water treatment.	Abbott Chalew, Talia E; Ajmani, Gaurav S; Huang, Haiou; Schwab, Kellogg J	Environ Health Perspect (2013 Oct)	121 / 1161-6	PubMed Citation
Evaluation of novel human immunodeficiency virus type 1 Gag DNA vaccines for protein expression in m ...	Qiu, J T; Song, R; Dettenhofer, M; Tian, C; August, T; Felber, B K; Pavlakis, G N; Yu, X F	J Virol (1999 Nov)	73 / 9145-52	PubMed Citation
Evaluation of the CD14/-260 polymorphism and house dust endotoxin exposure in the Barbados Asthma Ge ...	Zambelli-Weiner, April; Ehrlich, Eva; Stockton, Maria L; Grant, Audrey V; Zhang, Shu; Levett, Paul N; Beaty, Terri H; Barnes, Kathleen C	J Allergy Clin Immunol (2005 Jun)	115 / 1203-9	PubMed Citation
Evidence for a population expansion in the West Nile virus vector Culex tarsalis.	Venkatesan, Meera; Westbrook, Catherine J; Hauer, M Claire; Rasgon, Jason L	Mol Biol Evol (2007 May)	24 / 1208-18	PubMed Citation
Experience-dependent regulation of zif268 gene expression and spatial learning.	Toscano, Christopher D; McGlothan, Jennifer L; Guilarte, Tomas R	Exp Neurol (2006 Jul)	200 / 209-15	PubMed Citation
Experimental autoimmune myocarditis in A/J mice is an interleukin-4-dependent disease with a Th2 phe ...	Afanasyeva, M; Wang, Y; Kaya, Z; Park, S; Zilliox, M J; Schofield, B H; Hill, S L; Rose, N R	Am J Pathol (2001 Jul)	159 / 193-203	PubMed Citation
Expression and purification of the SsbB protein from Streptococcus pneumoniae.	Hedayati, Mohammad A; Grove, Diane E; Steffen, Scott E; Bryant, Floyd R	Protein Expr Purif (2005 Oct)	43 / 133-9	PubMed Citation
Expression of cytochromes P450 1A1 and 1B1 in human lung from smokers, non-smokers, and ex-smokers.	Kim, James H; Sherman, Mark E; Curriero, Frank C; Guengerich, F Peter; Strickland, Paul T; Sutter, Thomas R	Toxicol Appl Pharmacol (2004 Sep 15)	199 / 210-9	PubMed Citation
Facile synthesis of [11C]buprenorphine for positron emission tomographic studies of opioid receptors ...	Lever, J R; Mazza, S M; Dannals, R F; Ravert, H T; Wilson, A A; Wagner Jr, H N	Int J Rad Appl Instrum A (1990)	41 / 745-52	PubMed Citation
Feeding and indoor resting behaviour of the mosquito Anopheles longipalpis in an area of hyperendemi ...	Kent, R J; Coetzee, M; Mharakurwa, S; Norris, D E	Med Vet Entomol (2006 Dec)	20 / 459-63	PubMed Citation
Formation of a covalent complex between methylguanine methyltransferase and DNA via disulfide bond f ...	Paalman, S R; Noll, D M; Clarke, N D	Nucleic Acids Res (1997 May 1)	25 / 1795-801	PubMed Citation

Full-thickness human skin explants for testing the toxicity of topically applied chemicals.	Nakamura, M; Rikimaru, T; Yano, T; Moore, K G; Pula, P J; Schofield, B H; Dannenberg Jr, A M	J Invest Dermatol (1990 Sep)	95 / 325-32	PubMed Citation
Further evidence for the role of myeloperoxidase in the activation of benzo[a]pyrene-7,8-dihydrodiol ...	Trush, A; Esterline, R L; Mallet, W G; Mosebrook, D R; Twerdok, L E	Adv Exp Med Biol (1991)	283 / 399-401	PubMed Citation
Further evidence that lucigenin-derived chemiluminescence monitors mitochondrial superoxide generati ...	Rembish, S J; Trush, M A	Free Radic Biol Med (1994 Aug)	17 / 117-26	PubMed Citation
Gene expression changes in peripheral blood mononuclear cells during measles virus infection.	Zilliox, Michael J; Moss, William J; Griffin, Diane E	Clin Vaccine Immunol (2007 Jul)	14 / 918-23	PubMed Citation
Gene expression patterns in dendritic cells infected with measles virus compared with other pathogen ...	Zilliox, Michael J; Parmigiani, Giovanni; Griffin, Diane E	Proc Natl Acad Sci U S A (2006 Feb 28)	103 / 3363-8	PubMed Citation
Genetic differences between Culex pipiens f. molestus and Culex pipiens pipiens (Diptera: Culicidae) ...	Kent, Rebekah J; Harrington, Laura C; Norris, Douglas E	J Med Entomol (2007 Jan)	44 / 50-9	PubMed Citation
Genetic diversity of Borrelia burgdorferi sensu stricto in Peromyscus leucopus, the primary reservoi ...	Anderson, Jennifer M; Norris, Douglas E	Appl Environ Microbiol (2006 Aug)	72 / 5331-41	PubMed Citation
Genetic or pharmacologic amplification of nrf2 signaling inhibits acute inflammatory liver injury in ...	Osburn, William O; Yates, Melinda S; Dolan, Patrick D; Chen, Sining; Liby, Karen T; Sporn, Michael B; Taguchi, Keiko; Yamamoto, Masayuki; Kensler, Thomas W	Toxicol Sci (2008 Jul)	104 / 218-27	PubMed Citation
Genome sequencing reveals strain dynamics of methicillin-resistant Staphylococcus aureus in the same ...	Davis, Meghan F; Misic, Ana M; Morris, Daniel O; Moss, John T; Tolomeo, Pam; Beiting, Daniel P; Nachamkin, Irving; Lautenbach, Ebbing; Rankin, Shelley C	Vet Microbiol (2015 Nov 18)	180 / 304-7	PubMed Citation
Geostatistics and GIS: tools for characterizing environmental contamination.	Henshaw, Shannon L; Curriero, Frank C; Shields, Timothy M; Glass, Gregory E; Strickland, Paul T; Breysse, Patrick N	J Med Syst (2004 Aug)	28 / 335-48	PubMed Citation
Global analysis of publicly available safety data for 9,801 substances registered under REACH from 2 ...	Luechtefeld, Thomas; Maertens, Alexandra; Russo, Daniel P; Rovida, Costanza; Zhu, Hao; Hartung, Thomas	ALTEX (2016)	33 / 95-109	PubMed Citation
Glutamate receptor antagonists protect from virus-induced neural degeneration.	Nargi-Aizenman, Jennifer L; Havert, Michael B; Zhang, Ming; Irani, David N; Rothstein, Jeffrey D; Griffin, Diane E	Ann Neurol (2004 Apr)	55 / 541-9	PubMed Citation
Growth status significantly affects the response of human lung cancer cells to antitumor polyamine-a ...	Carlisle, Diane L; Devereux, Wendy L; Hacker, Amy; Woster, Patrick M; Casero Jr, Robert A	Clin Cancer Res (2002 Aug)	8 / 2684-9	PubMed Citation
H3 lysine 9 methylation is maintained on a transcribed inverted repeat by combined action of SUVH6 a ...	Ebbs, Michelle L; Bartee, Lisa; Bender, Judith	Mol Cell Biol (2005 Dec)	25 / 10507-15	PubMed Citation
Hepatitis E virus and coliphages in waters proximal to swine concentrated animal feeding operations.	Gentry-Shields, Jennifer; Myers, Kevin; Pisanic, Nora; Heaney, Christopher; Stewart, Jill	Sci Total Environ (2015 Feb 1)	505 / 487-93	PubMed Citation
High-density livestock operations, crop field application of manure, and risk of community-associate ...	Casey, Joan A; Curriero, Frank C; Cosgrove, Sara E; Nachman, Keeve E; Schwartz, Brian S	JAMA Intern Med (2013 Nov 25)	173 / 1980-90	PubMed Citation

High-density livestock production and molecularly characterized MRSA infections in Pennsylvania.	Casey, Joan A; Shopsin, Bo; Cosgrove, Sara E; Nachman, Keeve E; Curriero, Frank C; Rose, Hannah R; Schwartz, Brian S	Environ Health Perspect (2014 May)	122 / 464-70	PubMed Citation
Highly purified human immunodeficiency virus type 1 reveals a virtual absence of Vif in virions.	Dettenhofer, M; Yu, X F	J Virol (1999 Feb)	73 / 1460-7	PubMed Citation
Hippocampal and amygdaloid involvement in working memory for nonspatial stimuli.	Raffaele, K C; Olton, D S	Behav Neurosci (1988 Jun)	102 / 349-55	PubMed Citation
Hippocampal expression of N-methyl-D-aspartate receptor (NMDAR1) subunit splice variant mRNA is alte ...	Guilarte, T R; McGlothan, J L; Nihei, M K	Brain Res Mol Brain Res (2000 Mar 29)	76 / 299-305	PubMed Citation
HIV expression is induced in dying cells.	Woloschak, G E; Schreck, S; Panozzo, J; Chang-Liu, C M; Libertin, C R	Biochim Biophys Acta (1997 Mar 20)	1351 / 105-10	PubMed Citation
Human exposure to the jet fuel, JP-8.	Tu, Raymond H; Mitchell, Clifford S; Kay, Gary G; Risby, Terence H	Aviat Space Environ Med (2004 Jan)	75 / 49-59	PubMed Citation
Humidity and gravimetric equivalency adjustments for nephelometer-based particulate matter measureme ...	Soneja, Sutyajeet; Chen, Chen; Tielsch, James M; Katz, Joanne; Zeger, Scott L; Checkley, William; Curriero, Frank C; Breysse, Patrick N	Int J Environ Res Public Health (2014 Jun 19)	11 / 6400-16	PubMed Citation
Hydroquinone increases 5-hydroxymethylcytosine formation through ten eleven translocation 1 (TET1) 5 ...	Coulter, Jonathan B; O'Driscoll, Cliona M; Bressler, Joseph P	J Biol Chem (2013 Oct 04)	288 / 28792-800	PubMed Citation
Hydroxymethylation as a Novel Environmental Biosensor.	Dao, T; Cheng, R Y S; Revelo, M P; Mitzner, W; Tang, Wy	Curr Environ Health Rep (2014 Mar 1)	1 / 1-10	PubMed Citation
Identification and phenotypic characterization of Sphingomonas wittichii strain RW1 by peptide mass ...	Halden, Rolf U; Colquhoun, David R; Wisniewski, Eric S	Appl Environ Microbiol (2005 May)	71 / 2442-51	PubMed Citation
Identification of genes regulated by UV/salicylic acid.	Paunesku, T; Chang-Liu, C M; Shearin-Jones, P; Watson, C; Milton, J; Oryhon, J; Salbego, D; Milosavljevic, A; Woloschak, G E	Int J Radiat Biol (2000 Feb)	76 / 189-98	PubMed Citation
Identification of genes whose expression is altered during mitosuppression in livers of ethinyl estr ...	Chen, J; Schwartz, D A; Young, T A; Norris, J S; Yager, J D	Carcinogenesis (1996 Dec)	17 / 2783-6	PubMed Citation
Identification of mammalian blood meals in mosquitoes by a multiplexed polymerase chain reaction tar ...	Kent, Rebekah J; Norris, Douglas E	Am J Trop Med Hyg (2005 Aug)	73 / 336-42	PubMed Citation
Identifying livestock-associated methicillin-resistant staphylococcus aureus in the United States--r ...	Casey, Joan A; Schwartz, Brian S	JAMA Intern Med (2014 May)	174 / 825	PubMed Citation
IL-1 beta regulates the expression of the Gi2 alpha gene via lipid mediators in guinea pig tracheal ...	Hirata, F; Lee, J Y; Sakamoto, T; Nomura, A; Uchida, Y; Hirata, A; Hasegawa, S	Biochem Biophys Res Commun (1994 Sep 30)	203 / 1889-96	PubMed Citation
IL-4 and IL-13 signaling in allergic airway disease.	Gour, Naina; Wills-Karp, Marsha	Cytokine (2015 Sep)	75 / 68-78	PubMed Citation
Immediate and delayed (late-phase) dermal contact sensitivity reactions in guinea pigs. Passive tran ...	Moore, K G; Dannenberg Jr, A M	Int Arch Allergy Immunol (1993)	101 / 72-81	PubMed Citation
Immunodetection and quantification of airborne (1-3)-β-D-glucan-carrying particles with the halogen ...	Rivera-Mariani, Félix E; Mihalic, Jana N; Rule, Ana M; Breysse, Patrick N	J Immunol Methods ()	388 / 86-9	PubMed Citation
Immunohistochemical evaluation of interface membranes from failed cemented and uncemented acetabular ...	Jones, L C; Frondoza, C; Hungerford, D S	J Biomed Mater Res (1999)	48 / 889-98	PubMed Citation

Impairment of nigrostriatal dopamine neurotransmission by manganese is mediated by pre-synaptic mech ...	Guilarte, Tomás R; Burton, Neal C; McGlothan, Jennifer L; Verina, Tatyana; Zhou, Yun; Alexander, Mohab; Pham, Luu; Griswold, Michael; Wong, Dean F; Syversen, Tore; Schneider, Jay S	J Neurochem (2008 Dec)	107 / 1236-47	PubMed Citation
In vitro organotin administration alters guinea pig cochlear outer hair cell shape and viability.	Clerici, W J; Chertoff, M E; Brownell, W E; Fechter, L D	Toxicol Appl Pharmacol (1993 Jun)	120 / 193-202	PubMed Citation
In vivo modulation of the Parkinsonian phenotype by Nrf2.	Burton, Neal C; Kensler, Thomas W; Guilarte, Tomas R	Neurotoxicology (2006 Dec)	27 / 1094-100	PubMed Citation
Increased APLP1 expression and neurodegeneration in the frontal cortex of manganese-exposed non-huma ...	Guilarte, Tomas R; Burton, Neal C; Verina, Tatyana; Prabhu, Vinaykumar V; Becker, Kevin G; Syversen, Tore; Schneider, Jay S	J Neurochem (2008 Jun)	105 / 1948-59	PubMed Citation
Increased colonic inflammatory injury and formation of aberrant crypt foci in Nrf2-deficient mice up ...	Osburn, William O; Karim, Baktiar; Dolan, Patrick M; Liu, Guosheng; Yamamoto, Masayuki; Huso, David L; Kensler, Thomas W	Int J Cancer (2007 Nov 1)	121 / 1883-91	PubMed Citation
Increased cyclic adenosine 3',5'-monophosphate inhibits G protein-coupled activation of phospholipas ...	Laglia, G; Zeiger, M A; Leipricht, A; Caturegli, P; Levine, M A; Kohn, L D; Saji, M	Endocrinology (1996 Aug)	137 / 3170-6	PubMed Citation
Increased gastrointestinal ethanol production in obese mice: implications for fatty liver disease pa ...	Cope, K; Risby, T; Diehl, A M	Gastroenterology (2000 Nov)	119 / 1340-7	PubMed Citation
Increased mitochondrial superoxide production in rat liver mitochondria, rat hepatocytes, and HepG2 ...	Chen, J; Li, Y; Lavigne, J A; Trush, M A; Yager, J D	Toxicol Sci (1999 Oct)	51 / 224-35	PubMed Citation
Increased susceptibility of Alzheimer's disease temporal cortex to oxygen free radical-mediated proc ...	McIntosh, L J; Trush, M A; Troncoso, J C	Free Radic Biol Med (1997)	23 / 183-90	PubMed Citation
Induction and localization of cytochrome P450 1B1 (CYP1B1) protein in the livers of TCDD-treated rat ...	Walker, N J; Crofts, F G; Li, Y; Lax, S F; Hayes, C L; Strickland, P T; Lucier, G W; Sutter, T R	Carcinogenesis (1998 Mar)	19 / 395-402	PubMed Citation
Induction of a trophoblast-like phenotype by hydralazine in the p19 embryonic carcinoma cell line.	O'Driscoll, Cliona M; Coulter, Jonathan B; Bressler, Joseph P	Biochim Biophys Acta (2013 Mar)	1833 / 460-7	PubMed Citation
Induction of quinone reductase and glutathione in bone marrow cells by 1,2-dithiole-3-thione: effect ...	Twerdok, L E; Rembish, S J; Trush, M A	Toxicol Appl Pharmacol (1992 Feb)	112 / 273-81	PubMed Citation
Inhibition of aflatoxin Ml excretion in rat urine during dietary intervention with oltipraz.	Scholl, P; Musser, S M; Kensler, T W; Groopman, J D	Carcinogenesis (1996 Jun)	17 / 1385-8	PubMed Citation
Inhibition of mitochondrial superoxide generation in rat alveolar macrophages by 12-O-tetradecanoylp ...	Rembish, S J; Yang, Y; Trush, M A	Res Commun Mol Pathol Pharmacol (1994 Aug)	85 / 115-29	PubMed Citation
Inhibition of TGF-beta-induced apoptosis by ethinyl estradiol in cultured, precision cut rat liver s ...	Chen, J; Gokhale, M; Schofield, B; Odwin, S; Yager, J D	Carcinogenesis (2000 Jun)	21 / 1205-11	PubMed Citation
Innate immunity against bacterial infection following hyperoxia exposure is impaired in NRF2-deficie ...	Reddy, Narsa M; Suryanarayana, Vegiraju; Kalvakolanu, Dhananjaya V; Yamamoto, Masayuki; Kensler, Thomas W; Hassoun, Paul M; Kleeberger, Steven R; Reddy, Sekhar P	J Immunol (2009 Oct 1)	183 / 4601-8	PubMed Citation
Inositol trisphosphate and thapsigargin discriminate endoplasmic reticulum stores of calcium in rat ...	Verma, A; Hirsch, D J; Hanley, M R; Thastrup, O; Christensen, S B; Snyder, S H	Biochem Biophys Res Commun (1990 Oct 30)	172 / 811-6	PubMed Citation

Instability of superoxide dismutase 1 of Drosophila in mutants deficient for its cognate copper chap ...	Kirby, Kim; Jensen, Laran T; Binnington, Janet; Hilliker, Arthur J; Ulloa, Janella; Culotta, Valeria C; Phillips, John P	J Biol Chem (2008 Dec 19)	283 / 35393-401	PubMed Citation
Integrated testing strategies for safety assessments.	Hartung, Thomas; Luechtefeld, Tom; Maertens, Alexandra; Kleensang, Andre	ALTEX (2013)	30 / 3-18	PubMed Citation
Interaction of mutant hepatitis B X protein with p53 tumor suppressor protein affects both transcrip ...	Iyer, Shoba; Groopman, John D	Mol Carcinog (2011 Dec)	50 / 972-80	PubMed Citation
Interleukin-12 receptor/STAT4 signaling is required for the development of autoimmune myocarditis in ...	Afanasyeva, M; Wang, Y; Kaya, Z; Stafford, E A; Dohmen, K M; Sadighi Akha, A A; Rose, N R	Circulation (2001 Dec 18)	104 / 3145-51	PubMed Citation
Intracellular adhesion molecule-1 up-regulation on thyrocytes by iodine of non-obese diabetic.H2(h4) ...	Sharma, R; Traore, K; Trush, M A; Rose, N R; Burek, C Lynne	Clin Exp Immunol (2008 Apr)	152 / 13-20	PubMed Citation
Intracellular pathways of copper trafficking in yeast and humans.	Culotta, V C; Lin, S J; Schmidt, P; Klomp, L W; Casareno, R L; Gitlin, J	Adv Exp Med Biol (1999)	448 / 247-54	PubMed Citation
Isolation of cDNAs representing dithiolethione-responsive genes.	Primiano, T; Gastel, J A; Kensler, T W; Sutter, T R	Carcinogenesis (1996 Nov)	17 / 2297-303	PubMed Citation
Kinetic characterization of the ATPase cycle of the DnaK molecular chaperone.	Russell, R; Jordan, R; McMacken, R	Biochemistry (1998 Jan 13)	37 / 596-607	PubMed Citation
Kinetics and cross-species comparisons of host antibody responses to lone star ticks and American do ...	Sanders, M L; Glass, G E; Scott, A L; Schwartz, B S	J Med Entomol (1998 Sep)	35 / 849-56	PubMed Citation
Kinetics of ATP hydrolysis during the DNA helicase II-promoted unwinding of duplex DNA.	Yodh, J G; Bryant, F R	Biochemistry (1993 Aug 3)	32 / 7765-71	PubMed Citation
Lead exposure alters cyclic-AMP response element binding protein phosphorylation and binding activit ...	Toscano, Christopher D; McGlothan, Jennifer L; Guilarte, Tomas R	Brain Res Dev Brain Res (2003 Nov 12)	145 / 219-28	PubMed Citation
Lead exposure during synaptogenesis alters NMDA receptor targeting via NMDA receptor inhibition.	Neal, April P; Worley, Paul F; Guilarte, Tomas R	Neurotoxicology (2011 Mar)	32 / 281-9	PubMed Citation
Lead exposure during synaptogenesis alters vesicular proteins and impairs vesicular release: potenti ...	Neal, April P; Stansfield, Kirstie H; Worley, Paul F; Thompson, Richard E; Guilarte, Tomas R	Toxicol Sci (2010 Jul)	116 / 249-63	PubMed Citation
Localization of an endoplasmic reticulum calcium ATPase mRNA in rat brain by in situ hybridization.	Miller, K K; Verma, A; Snyder, S H; Ross, C A	Neuroscience (1991)	43 / 1-9	PubMed Citation
Locus-specific control of DNA methylation by the Arabidopsis SUVH5 histone methyltransferase.	Ebbs, Michelle L; Bender, Judith	Plant Cell (2006 May)	18 / 1166-76	PubMed Citation
Long-term behavioral changes in rats following organophosphonate exposure.	Raffaele, K; Hughey, D; Wenk, G; Olton, D; Modrow, H; McDonough, J	Pharmacol Biochem Behav (1987 Jul)	27 / 407-12	PubMed Citation
Low-dose inorganic mercury increases severity and frequency of chronic coxsackievirus-induced autoim ...	Nyland, Jennifer F; Fairweather, DeLisa; Shirley, Devon L; Davis, Sarah E; Rose, Noel R; Silbergeld, Ellen K	Toxicol Sci (2012 Jan)	125 / 134-43	PubMed Citation
Low-dose mercury heightens early innate response to coxsackievirus infection in female mice.	Penta, Kayla L; Fairweather, DeLisa; Shirley, Devon L; Rose, Noel R; Silbergeld, Ellen K; Nyland, Jennifer F	Inflamm Res (2015 Jan)	64 / 31-40	PubMed Citation
Macrophages and fibroblasts respond differently to PMMA particles and mechanical strain.	Jones, Lynne C; Tucci, Michelle; Frondoza, Carmelita	Biomed Sci Instrum (2006)	42 / 223-30	PubMed Citation
Mammal diversity and infection prevalence in the maintenance of enzootic Borrelia burgdorferi along ...	Anderson, Jennifer M; Swanson, Katherine I; Schwartz, Timothy R; Glass, Gregory E; Norris, Douglas E	Vector Borne Zoonotic Dis (2006)	6 / 411-22	PubMed Citation

Mammalian glycosyltransferases prefer glycosyl phosphoryl dolichols rather than glycosyl phosphoryl ...	D'Souza-Schorey, C; McLachlan, K R; Krag, S S; Elbein, A D	Arch Biochem Biophys (1994 Feb 1)	308 / 497-503	PubMed Citation
Manganese activation of superoxide dismutase 2 in the mitochondria of Saccharomyces cerevisiae.	Luk, Edward; Yang, Mei; Jensen, Laran T; Bourbonnais, Yves; Culotta, Valeria Cizewski	J Biol Chem (2005 Jun 17)	280 / 22715-20	PubMed Citation
Manganese homeostasis in Saccharomyces cerevisiae.	Reddi, Amit R; Jensen, Laran T; Culotta, Valeria C	Chem Rev (2009 Oct)	109 / 4722-32	PubMed Citation
Manganese neurotoxicity: lessons learned from longitudinal studies in nonhuman primates.	Burton, Neal C; Guilarte, Tomas R	Environ Health Perspect (2009 Mar)	117 / 325-32	PubMed Citation
Manganese superoxide dismutase: effect of the ala16val polymorphism on protein, activity, and mRNA l ...	McAtee, Britt L; Yager, James D	Mol Cell Biochem (2010 Feb)	335 / 107-18	PubMed Citation
Manganese toxicity and Saccharomyces cerevisiae Mam3p, a member of the ACDP (ancient conserved domai ...	Yang, Mei; Jensen, Laran T; Gardner, Allison J; Culotta, Valeria C	Biochem J (2005 Mar 15)	386 / 479-87	PubMed Citation
Manganese transport and trafficking: lessons learned from Saccharomyces cerevisiae.	Culotta, Valeria Cizewski; Yang, Mei; Hall, Matthew D	Eukaryot Cell (2005 Jul)	4 / 1159-65	PubMed Citation
Mechanism of reconstitution of brewers' yeast pyruvate decarboxylase with thiamin diphosphate and ma ...	Vaccaro, J A; Crane 3rd, E J; Harris, T K; Washabaugh, M W	Biochemistry (1995 Oct 3)	34 / 12636-44	PubMed Citation
Mechanisms for activating Cu- and Zn-containing superoxide dismutase in the absence of the CCS Cu ch ...	Carroll, Mark C; Girouard, Jody B; Ulloa, Janella L; Subramaniam, Jamuna R; Wong, Phillip C; Valentine, Joan Selverstone; Culotta, Valeria Cizewski	Proc Natl Acad Sci U S A (2004 Apr 20)	101 / 5964-9	PubMed Citation
Mechanisms of estrogen carcinogenesis: The role of E2/E1-quinone metabolites suggests new approaches ...	Yager, James D	Steroids (2015 Jul)	99 / 56-60	PubMed Citation
Mechanisms of organophosphate insecticide-induced airway hyperreactivity.	Fryer, Allison D; Lein, Pamela J; Howard, Angela S; Yost, Bethany L; Beckles, Rondell A; Jett, David A	Am J Physiol Lung Cell Mol Physiol (2004 May)	286 / L963-9	PubMed Citation
Mercury exposure, serum antinuclear/antinucleolar antibodies, and serum cytokine levels in mining po ...	Gardner, Renee M; Nyland, Jennifer F; Silva, Ines A; Ventura, Ana Maria; de Souza, Jose Maria; Silbergeld, Ellen K	Environ Res (2010 May)	110 / 345-54	PubMed Citation
Mercury induces an unopposed inflammatory response in human peripheral blood mononuclear cells in vi ...	Gardner, Renee M; Nyland, Jennifer F; Evans, Sean L; Wang, Susie B; Doyle, Kathleen M; Crainiceanu, Ciprian M; Silbergeld, Ellen K	Environ Health Perspect (2009 Dec)	117 / 1932-8	PubMed Citation
Metabolism of 2-amino-1-methyl-6-phenylimidazo[4,5-b]pyridine by human cytochrome P4501A1, P4501A2 a ...	Crofts, F G; Sutter, T R; Strickland, P T	Carcinogenesis (1998 Nov)	19 / 1969-73	PubMed Citation
Metal transporters that contribute copper to metallochaperones in Saccharomyces cerevisiae.	Portnoy, M E; Schmidt, P J; Rogers, R S; Culotta, V C	Mol Genet Genomics (2001 Jul)	265 / 873-82	PubMed Citation
Mitochondrial toxin 3-nitropropionic acid induces cardiac and neurotoxicity differentially in mice.	Gabrielson, K L; Hogue, B A; Bohr, V A; Cardounel, A J; Nakajima, W; Kofler, J; Zweier, J L; Rodriguez, E R; Martin, L J; de Souza-Pinto, N C; Bressler, J	Am J Pathol (2001 Oct)	159 / 1507-20	PubMed Citation
Modulation of calmodulin by UV and X-rays in primary human endothelial cell cultures.	Watson, C A; Chang-Liu, C M; Woloschak, G E	Int J Radiat Biol (2000 Nov)	76 / 1455-61	PubMed Citation
Molecular differentiation of colonized human malaria vectors by 28S ribosomal DNA polymorphisms.	Kent, Rebekah J; West, Aimee J; Norris, Douglas E	Am J Trop Med Hyg (2004 Oct)	71 / 514-7	PubMed Citation

Molecular differentiation of metastriate tick immatures.	Anderson, Jennifer M; Ammerman, Nicole C; Norris, Douglas E	Vector Borne Zoonotic Dis (2004)	4 / 334-42	PubMed Citation
Molecular mechanisms of estrogen carcinogenesis.	Yager, J D; Liehr, J G	Annu Rev Pharmacol Toxicol (1996)	36 / 203-32	PubMed Citation
Monitoring the interactions of environmental agents by cell-dependent chemiluminescence: studies wit ...	Twerdok, L E; Trush, M A	Basic Life Sci (1988)	49 / 255-9	PubMed Citation
MPTP's pathway of toxicity indicates central role of transcription factor SP1.	Maertens, Alexandra; Luechtefeld, Thomas; Kleensang, Andre; Hartung, Thomas	Arch Toxicol (2015 May)	89 / 743-55	PubMed Citation
Murine strain differences in response to mercuric chloride: antinucleolar antibodies production does ...	Robinson, C J; White, H J; Rose, N R	Clin Immunol Immunopathol (1997 May)	83 / 127-38	PubMed Citation
Mutants in dolichol synthesis: conversion of polyprenol to dolichol appears to be a rate-limiting st ...	Rosenwald, A G; Stanley, P; McLachlan, K R; Krag, S S	Glycobiology (1993 Oct)	3 / 481-8	PubMed Citation
Mutational analysis of Saccharomyces cerevisiae Smf1p, a member of the Nramp family of metal transpo ...	Liu, X F; Culotta, V C	J Mol Biol (1999 Jun 18)	289 / 885-91	PubMed Citation
Mutations in PMR1 suppress oxidative damage in yeast cells lacking superoxide dismutase.	Lapinskas, P J; Cunningham, K W; Liu, X F; Fink, G R; Culotta, V C	Mol Cell Biol (1995 Mar)	15 / 1382-8	PubMed Citation
Mutations of the human immunodeficiency virus type 1 p6Gag domain result in reduced retention of Pol ...	Yu, X F; Dawson, L; Tian, C J; Flexner, C; Dettenhofer, M	J Virol (1998 Apr)	72 / 3412-7	PubMed Citation
Myeloperoxidase-enhanced formation of (+-)-trans-7,8-dihydroxy-7,8-dihydrobenzo[a]pyrene-DNA adducts ...	Petruska, J M; Mosebrook, D R; Jakab, G J; Trush, M A	Carcinogenesis (1992 Jul)	13 / 1075-81	PubMed Citation
N-methyl-D-aspartate receptor subunit changes are associated with lead-induced deficits of long-term ...	Nihei, M K; Desmond, N L; McGlothan, J L; Kuhlmann, A C; Guilarte, T R	Neuroscience (2000)	99 / 233-42	PubMed Citation
Nasal administration of cardiac myosin suppresses autoimmune myocarditis in mice.	Wang, Y; Afanasyeva, M; Hill, S L; Kaya, Z; Rose, N R	J Am Coll Cardiol (2000 Nov 15)	36 / 1992-9	PubMed Citation
Negative control of heavy metal uptake by the Saccharomyces cerevisiae BSD2 gene.	Liu, X F; Supek, F; Nelson, N; Culotta, V C	J Biol Chem (1997 May 2)	272 / 11763-9	PubMed Citation
Neospora caninum Recruits Host Cell Structures to Its Parasitophorous Vacuole and Salvages Lipids fr ...	Nolan, Sabrina J; Romano, Julia D; Luechtefeld, Thomas; Coppens, Isabelle	Eukaryot Cell (2015 May)	14 / 454-73	PubMed Citation
Neurogenesis of the basal forebrain in euploid and trisomy 16 mice: an animal model for developmenta ...	Sweeney, J E; Hohmann, C F; Oster-Granite, M L; Coyle, J T	Neuroscience (1989)	31 / 413-25	PubMed Citation
Neuronal regeneration enhances the expression of the immunophilin FKBP-12.	Lyons, W E; Steiner, J P; Snyder, S H; Dawson, T M	J Neurosci (1995 Apr)	15 / 2985-94	PubMed Citation
Neutrophil-derived oxidants as mediators of chemical activation in bone marrow.	Twerdok, L E; Trush, M A	Chem Biol Interact (1988)	65 / 261-73	PubMed Citation
New twist on an ancient innate immune pathway.	Lajoie, Stephane; Wills-Karp, Marsha	Immunity (2013 Dec 12)	39 / 1000-2	PubMed Citation
Newer insights into the pathogenesis of experimental autoimmune thyroiditis.	Stafford, E A; Rose, N R	Int Rev Immunol (2000)	19 / 501-33	PubMed Citation
NMDAR-2A subunit protein expression is reduced in the hippocampus of rats exposed to Pb2+ during dev ...	Nihei, M K; Guilarte, T R	Brain Res Mol Brain Res (1999 Mar 20)	66 / 42-9	PubMed Citation
Noncanonical MMS2-encoded ubiquitin-conjugating enzyme functions in assembly of novel polyubiquitin ...	Hofmann, R M; Pickart, C M	Cell (1999 Mar 5)	96 / 645-53	PubMed Citation
Nrf2 regulates an adaptive response protecting against oxidative damage following diquat-mediated fo ...	Osburn, William O; Wakabayashi, Nobunao; Misra, Vikas; Nilles, Tricia; Biswal, Shyam; Trush, Michael A; Kensler, Thomas W	Arch Biochem Biophys (2006 Oct 1)	454 / 7-15	PubMed Citation

Nrf2 signaling: an adaptive response pathway for protection against environmental toxic insults.	Osburn, William O; Kensler, Thomas W	Mutat Res (2008 Jul-Aug)	659 / 31-9	PubMed Citation
Nrf2-regulated glutathione recycling independent of biosynthesis is critical for cell survival durin ...	Harvey, C J; Thimmulappa, R K; Singh, A; Blake, D J; Ling, G; Wakabayashi, N; Fujii, J; Myers, A; Biswal, S	Free Radic Biol Med (2009 Feb 15)	46 / 443-53	PubMed Citation
Nrf2: control of sensitivity to carcinogens.	Slocum, Stephen L; Kensler, Thomas W	Arch Toxicol (2011 Apr)	85 / 273-84	PubMed Citation
Obesity and female gender increase breath ethanol concentration: potential implications for the path ...	Nair, S; Cope, K; Risby, T H; Diehl, A M; Terence, R H	Am J Gastroenterol (2001 Apr)	96 / 1200-4	PubMed Citation
Oxidative damage targets complexes containing DNA methyltransferases, SIRT1, and polycomb members to ...	O'Hagan, Heather M; Wang, Wei; Sen, Subhojit; Destefano Shields, Christina; Lee, Stella S; Zhang, Yang W; Clements, Eriko G; Cai, Yi; Van Neste, Leander; Easwaran, Hariharan; Casero, Robert A; Sears, Cynthia L; Baylin, Stephen B	Cancer Cell (2011 Nov 15)	20 / 606-19	PubMed Citation
Oxidative mechanisms in carcinogenesis.	Guyton, K Z; Kensler, T W	Br Med Bull (1993 Jul)	49 / 523-44	PubMed Citation
p53-independent inhibition of proliferation and p21(WAF1/Cip1)-modulated induction of cell death by ...	Nargi, J L; Ratan, R R; Griffin, D E	Neoplasia (1999 Dec)	1 / 544-56	PubMed Citation
Performance of the halogen immunoassay to assess airborne mouse allergen-containing particles in a l ...	Rivera-Mariani, Félix E; Matsui, Elizabeth C; Breysse, Patrick N	J Expo Sci Environ Epidemiol ()	24 / 3-8	PubMed Citation
Persistence of livestock-associated antibiotic-resistant Staphylococcus aureus among industrial hog ...	Nadimpalli, Maya; Rinsky, Jessica L; Wing, Steve; Hall, Devon; Stewart, Jill; Larsen, Jesper; Nachman, Keeve E; Love, Dave C; Pierce, Elizabeth; Pisanic, Nora; Strelitz, Jean; Harduar-Morano, Laurel; Heaney, Christopher D	Occup Environ Med (2015 Feb)	72 / 90-9	PubMed Citation
Persistence of triclocarban and triclosan in soils after land application of biosolids and bioaccumu ...	Higgins, Christopher P; Paesani, Zachary J; Chalew, Talia E Abbott; Halden, Rolf U; Hundal, Lakhwinder S	Environ Toxicol Chem (2011 Mar)	30 / 556-63	PubMed Citation
Phase II collaborative pilot study: preliminary analysis of central neural effects from exposure to ...	Cope, Keary A; Merritt, William T; Krenzischek, Dina A; Schaefer, John; Bukowski, James; Foster, W Michael; Bernacki, Edward; Dorman, Todd; Risby, Terence H	J Perianesth Nurs (2002 Aug)	17 / 240-50	PubMed Citation
Phorbol ester-induced mononuclear cell differentiation is blocked by the mitogen-activated protein k ...	He, H; Wang, X; Gorospe, M; Holbrook, N J; Trush, M A	Cell Growth Differ (1999 May)	10 / 307-15	PubMed Citation
PI3K-AKT Signaling via Nrf2 Protects against Hyperoxia-Induced Acute Lung Injury, but Promotes Infla ...	Reddy, Narsa M; Potteti, Haranatha R; Vegiraju, Suryanarayana; Chen, Hsin-Jou; Tamatam, Chandra Mohan; Reddy, Sekhar P	PLoS One (2015)	10 / e0129676	PubMed Citation
Pig-2-Bac as a biomarker of occupational exposure to pigs and livestock-associated Staphylococcus au ...	Pisanic, Nora; Nadimpalli, Maya; Rinsky, Jessica L; Stewart, Jill; Wing, Steve; Love, David C; Hall, Devon; Heaney, Christopher D	Environ Res (2015 Nov)	143 / 93-7	PubMed Citation
Plasmodium falciparum: the population structure of mature gametocyte cultures has little effect on t ...	Noden, B H; Beadle, P S; Vaughan, J A; Pumpuni, C B; Kent, M D; Beier, J C	Acta Trop (1994 Oct)	58 / 13-9	PubMed Citation

Polyamine catabolism in carcinogenesis: potential targets for chemotherapy and chemoprevention.	Battaglia, Valentina; DeStefano Shields, Christina; Murray-Stewart, Tracy; Casero Jr, Robert A	Amino Acids (2014 Mar)	46 / 511-9	PubMed Citation
Polyamines and cancer: implications for chemotherapy and chemoprevention.	Nowotarski, Shannon L; Woster, Patrick M; Casero Jr, Robert A	Expert Rev Mol Med (2013)	15 / e3	PubMed Citation
Polychlorinated biphenyls induce caspase-dependent cell death in cultured embryonic rat hippocampal ...	Howard, Angela S; Fitzpatrick, Richard; Pessah, Isaac; Kostyniak, Paul; Lein, Pamela J	Toxicol Appl Pharmacol (2003 Jul 1)	190 / 72-86	PubMed Citation
Population genetic data suggest a role for mosquito-mediated dispersal of West Nile virus across the ...	Venkatesan, Meera; Rasgon, Jason L	Mol Ecol (2010 Apr)	19 / 1573-84	PubMed Citation
Post-translation control of Nramp metal transport in yeast. Role of metal ions and the BSD2 gene.	Liu, X F; Culotta, V C	J Biol Chem (1999 Feb 19)	274 / 4863-8	PubMed Citation
Post-translational modification of Cu/Zn superoxide dismutase under anaerobic conditions.	Leitch, Jeffry M; Li, Cissy X; Baron, J Allen; Matthews, Lauren M; Cao, Xiaohang; Hart, P John; Culotta, Valeria C	Biochemistry (2012 Jan 17)	51 / 677-85	PubMed Citation
Preclinical and clinical evaluation of sulforaphane for chemoprevention in the breast.	Cornblatt, Brian S; Ye, Lingxiang; Dinkova-Kostova, Albena T; Erb, Melanie; Fahey, Jed W; Singh, Navin K; Chen, Min-Shue A; Stierer, Tracey; Garrett-Mayer, Elizabeth; Argani, Pedram; Davidson, Nancy E; Talalay, Paul; Kensler, Thomas W; Visvanathan, Kala	Carcinogenesis (2007 Jul)	28 / 1485-90	PubMed Citation
Predictors of blood mercury levels in older urban residents.	Latshaw, Megan Weil; Glass, Thomas; Parsons, Patrick; Hidalgo, Juan; Schwartz, Brian	J Occup Environ Med (2006 Jul)	48 / 715-22	PubMed Citation
Predictors of Indoor Radon Concentrations in Pennsylvania, 1989-2013.	Casey, Joan A; Ogburn, Elizabeth L; Rasmussen, Sara G; Irving, Jennifer K; Pollak, Jonathan; Locke, Paul A; Schwartz, Brian S	Environ Health Perspect (2015 Nov)	123 / 1130-7	PubMed Citation
Presence of multiple variants of Borrelia burgdorferi in the natural reservoir Peromyscus leucopus t ...	Swanson, Katherine I; Norris, Douglas E	Vector Borne Zoonotic Dis (2008 Jun)	8 / 397-405	PubMed Citation
Probabilistic hazard assessment for skin sensitization potency by dose-response modeling using featu ...	Luechtefeld, Thomas; Maertens, Alexandra; McKim, James M; Hartung, Thomas; Kleensang, Andre; Sá-Rocha, Vanessa	J Appl Toxicol (2015 Nov)	35 / 1361-71	PubMed Citation
Probing in vivo Mn2+ speciation and oxidative stress resistance in yeast cells with electron-nuclear ...	McNaughton, Rebecca L; Reddi, Amit R; Clement, Matthew H S; Sharma, Ajay; Barnese, Kevin; Rosenfeld, Leah; Gralla, Edith Butler; Valentine, Joan Selverstone; Culotta, Valeria C; Hoffman, Brian M	Proc Natl Acad Sci U S A (2010 Aug 31)	107 / 15335-9	PubMed Citation
Proline residues in human immunodeficiency virus type 1 p6(Gag) exert a cell type-dependent effect o ...	Dettenhofer, M; Yu, X F	J Virol (1999 Jun)	73 / 4696-704	PubMed Citation
Prospects for treatment of free radical-mediated tissue injury.	Rangan, U; Bulkley, G B	Br Med Bull (1993 Jul)	49 / 700-18	PubMed Citation

Protection against aflatoxin B1-induced cytotoxicity by expression of the cloned aflatoxin B1-aldehy ...	Bodreddigari, Sridevi; Jones, Laundette Knight; Egner, Patricia A; Groopman, John D; Sutter, Carrie Hayes; Roebuck, Bill D; Guengerich, F Peter; Kensler, Thomas W; Sutter, Thomas R	Chem Res Toxicol (2008 May)	21 / 1134-42	PubMed Citation
Quantification of urinary aflatoxin B1 dialdehyde metabolites formed by aflatoxin aldehyde reductase ...	Johnson, Denise N; Egner, Patricia A; Obrian, Greg; Glassbrook, Norman; Roebuck, Bill D; Sutter, Thomas R; Payne, Gary A; Kensler, Thomas W; Groopman, John D	Chem Res Toxicol (2008 Mar)	21 / 752-60	PubMed Citation
Quinone methide mediates in vitro induction of ornithine decarboxylase by the tumor promoter butylat ...	Guyton, K Z; Dolan, P M; Kensler, T W	Carcinogenesis (1994 May)	15 / 817-21	PubMed Citation
Rapid activation of poly(ADP-ribose) polymerase contributes to Sindbis virus and staurosporine-induc ...	Nargi-Aizenman, Jennifer L; Simbulan-Rosenthal, Cynthia M; Kelly, Tara A; Smulson, Mark E; Griffin, Diane E	Virology (2002 Feb 1)	293 / 164-71	PubMed Citation
Rapid disruption of cochlear function and structure by trimethyltin in the guinea pig.	Fechter, L D; Clerici, W J; Yao, L; Hoeffding, V	Hear Res (1992 Mar)	58 / 166-74	PubMed Citation
Rat CYP1B1: an adrenal cytochrome P450 that exhibits sex-dependent expression in livers and kidneys ...	Walker, N J; Gastel, J A; Costa, L T; Clark, G C; Lucier, G W; Sutter, T R	Carcinogenesis (1995 Jun)	16 / 1319-27	PubMed Citation
Rb and p53 gene deletions in lung adenocarcinomas from irradiated and control mice.	Zhang, Y; Woloschak, G E	Radiat Res (1997 Jul)	148 / 81-9	PubMed Citation
Recognition of a novel melanotic mutant in a field population of Culex pipiens quinquefasciatus in s ...	Kent, Rebekah J; Mharakurwa, Sungano; Hamapumbu, Harry; Norris, Douglas E	J Am Mosq Control Assoc (2007 Mar)	23 / 71-5	PubMed Citation
Redox-regulation of Erk1/2-directed phosphatase by reactive oxygen species: role in signaling TPA-in ...	Traore, Kassim; Sharma, Rajni; Thimmulappa, Rajesh K; Watson, Walter H; Biswal, Shyam; Trush, Michael A	J Cell Physiol (2008 Jul)	216 / 276-85	PubMed Citation
Reduced utilization of Man5GlcNAc2-P-P-lipid in a Lec9 mutant of Chinese hamster ovary cells: analys ...	Hall, C W; McLachlan, K R; Krag, S S; Robbins, A R	J Cell Biochem (1997 Nov 1)	67 / 201-15	PubMed Citation
Regulation of glycosylation. Three enzymes compete for a common pool of dolichyl phosphate in vivo.	Rosenwald, A G; Stoll, J; Krag, S S	J Biol Chem (1990 Aug 25)	265 / 14544-53	PubMed Citation
Regulation of notch1 signaling by nrf2: implications for tissue regeneration.	Wakabayashi, Nobunao; Shin, Soona; Slocum, Stephen L; Agoston, Elin S; Wakabayashi, Junko; Kwak, Mi-Kyoung; Misra, Vikas; Biswal, Shyam; Yamamoto, Masayuki; Kensler, Thomas W	Sci Signal (2010 Jul 13)	3 / ra52	PubMed Citation
Regulation of Saccharomyces cerevisiae catalase gene expression by copper.	Lapinskas, P; Ruis, H; Culotta, V	Curr Genet (1993 Nov)	24 / 388-93	PubMed Citation
Relation of alleles of the sodium-potassium adenosine triphosphatase alpha 2 gene with blood pressur ...	Glenn, B S; Stewart, W F; Schwartz, B S; Bressler, J	Am J Epidemiol (2001 Mar 15)	153 / 537-45	PubMed Citation
Repeated exposure to diisopropylfluorophosphate (DFP) produces increased sensitivity to cholinergic ...	Raffaele, K; Olton, D; Annau, Z	Psychopharmacology (Berl) (1990)	100 / 267-74	PubMed Citation

Replication of Epigenetic Postpartum Depression Biomarkers and Variation with Hormone Levels.	Osborne, Lauren; Clive, Makena; Kimmel, Mary; Gispen, Fiona; Guintivano, Jerry; Brown, Tori; Cox, Olivia; Judy, Jennifer; Meilman, Samantha; Braier, Aviva; Beckmann, Matthias W; Kornhuber, Johannes; Fasching, Peter A; Goes, Fernando; Payne, Jennifer L; Binder, Elisabeth B; Kaminsky, Zachary	Neuropsychopharmacology (2016 May)	41 / 1648-58	PubMed Citation
Respiratory aflatoxicosis: suppression of pulmonary and systemic host defenses in rats and mice.	Jakab, G J; Hmieleski, R R; Zarba, A; Hemenway, D R; Groopman, J D	Toxicol Appl Pharmacol (1994 Apr)	125 / 198-205	PubMed Citation
Role of quinone methide in the in vitro toxicity of the skin tumor promoter butylated hydroxytoluene ...	Guyton, K Z; Thompson, J A; Kensler, T W	Chem Res Toxicol (1993 Sep-Oct)	6 / 731-8	PubMed Citation
Role of reactive intermediates in tumor promotion and progression.	Kensler, T; Guyton, K; Egner, P; McCarthy, T; Lesko, S; Akman, S	Prog Clin Biol Res (1995)	391 / 103-16	PubMed Citation
Role of ROS and MAPK in TPA-induced ICAM-1 expression in the myeloid ML-1 cell line.	Traore, Kassim; Sharma, Rajni B; Burek, C Lynne; Trush, Michael A	J Cell Biochem (2007 Mar 1)	100 / 1010-21	PubMed Citation
Role of Saccharomyces cerevisiae ISA1 and ISA2 in iron homeostasis.	Jensen, L T; Culotta, V C	Mol Cell Biol (2000 Jun)	20 / 3918-27	PubMed Citation
Role of the benzoyloxyl radical in DNA damage mediated by benzoyl peroxide.	Swauger, J E; Dolan, P M; Zweier, J L; Kuppusamy, P; Kensler, T W	Chem Res Toxicol (1991 Mar-Apr)	4 / 223-8	PubMed Citation
Saccharomyces cerevisiae expresses three functionally distinct homologues of the nramp family of met ...	Portnoy, M E; Liu, X F; Culotta, V C	Mol Cell Biol (2000 Nov)	20 / 7893-902	PubMed Citation
Salivary gland changes and host antibody responses associated with feeding of male lone star ticks (...	Sanders, M L; Scott, A L; Glass, G E; Schwartz, B S	J Med Entomol (1996 Jul)	33 / 628-34	PubMed Citation
Seasonality, blood feeding behavior, and transmission of Plasmodium falciparum by Anopheles arabiens ...	Kent, Rebekah J; Thuma, Philip E; Mharakurwa, Sungano; Norris, Douglas E	Am J Trop Med Hyg (2007 Feb)	76 / 267-74	PubMed Citation
Serial Free Bisphenol A and Bisphenol A Glucuronide Concentrations in Neonates.	Nachman, Rebecca M; Fox, Stephen D; Golden, W Christopher; Sibinga, Erica; Groopman, John D; Lees, Peter S J	J Pediatr (2015 Jul)	167 / 64-9	PubMed Citation
Serotonin 5-HT2C receptor stimulates cyclic GMP formation in choroid plexus.	Kaufman, M J; Hartig, P R; Hoffman, B J	J Neurochem (1995 Jan)	64 / 199-205	PubMed Citation
SERPINA1 and ELA2 polymorphisms are not associated with COPD or lung cancer.	Enewold, Lindsey; Mechanic, Leah E; Bowman, Elise D; Platz, Elizabeth A; Alberg, Anthony J	Anticancer Res (2012 Sep)	32 / 3923-8	PubMed Citation
Sex differences in coxsackievirus B3-induced myocarditis: IL-12Rbeta1 signaling and IFN-gamma increa ...	Frisancho-Kiss, Sylvia; Nyland, Jennifer F; Davis, Sarah E; Frisancho, J Augusto; Barrett, Masheka A; Rose, Noel R; Fairweather, DeLisa	Brain Res (2006 Dec 18)	1126 / 139-47	PubMed Citation
Sex differences in translocator protein 18 kDa (TSPO) in the heart: implications for imaging myocard ...	Fairweather, DeLisa; Coronado, Michael J; Garton, Amanda E; Dziedzic, Jennifer L; Bucek, Adriana; Cooper Jr, Leslie T; Brandt, Jessica E; Alikhan, Fatima S; Wang, Haofan; Endres, Christopher J; Choi, Judy; Pomper, Martin G; Guilarte, Tomás R	J Cardiovasc Transl Res (2014 Mar)	7 / 192-202	PubMed Citation

Silica-based nanoparticle uptake and cellular response by primary microglia.	Choi, Judy; Zheng, Qingdong; Katz, Howard E; Guilarte, Tomas R	Environ Health Perspect (2010 May)	118 / 589-95	PubMed Citation
Sindbis virus-induced neuronal death is both necrotic and apoptotic and is ameliorated by N-methyl-D ...	Nargi-Aizenman, J L; Griffin, D E	J Virol (2001 Aug)	75 / 7114-21	PubMed Citation
Spatial and temporal genetic structure of Anopheles arabiensis in Southern Zambia over consecutive w ...	Kent, Rebekah J; Mharakurwa, Sungano; Norris, Douglas E	Am J Trop Med Hyg (2007 Aug)	77 / 316-23	PubMed Citation
Species-specific activation of Cu/Zn SOD by its CCS copper chaperone in the pathogenic yeast Candida ...	Gleason, Julie E; Li, Cissy X; Odeh, Hana M; Culotta, Valeria C	J Biol Inorg Chem (2014 Jun)	19 / 595-603	PubMed Citation
Spermine and spermidine mediate protection against oxidative damage caused by hydrogen peroxide.	Rider, J E; Hacker, A; Mackintosh, C A; Pegg, A E; Woster, P M; Casero Jr, R A	Amino Acids (2007 Aug)	33 / 231-40	PubMed Citation
Spotted-fever group Rickettsia in Dermacentor variabilis, Maryland.	Ammerman, Nicole C; Swanson, Katherine I; Anderson, Jennifer M; Schwartz, Timothy R; Seaberg, Eric C; Glass, Gregory E; Norris, Douglas E	Emerg Infect Dis (2004 Aug)	10 / 1478-81	PubMed Citation
Staphylococcus aureus colonization is associated with wheeze and asthma among US children and young ...	Davis, Meghan F; Peng, Roger D; McCormack, Meredith C; Matsui, Elizabeth C	J Allergy Clin Immunol (2015 Mar)	135 / 811-3.e5	PubMed Citation
Stem Leydig cell differentiation: gene expression during development of the adult rat population of ...	Stanley, Erin L; Johnston, Daniel S; Fan, Jinjiang; Papadopoulos, Vassilios; Chen, Haolin; Ge, Ren-Shan; Zirkin, Barry R; Jelinsky, Scott A	Biol Reprod (2011 Dec)	85 / 1161-6	PubMed Citation
Street-level noise in an urban setting: assessment and contribution to personal exposure.	McAlexander, Tara P; Gershon, Robyn R M; Neitzel, Richard L	Environ Health (2015)	14 / 18	PubMed Citation
Structural and biophysical properties of the pathogenic SOD1 variant H46R/H48Q.	Winkler, Duane D; Schuermann, Jonathan P; Cao, Xiaohang; Holloway, Stephen P; Borchelt, David R; Carroll, Mark C; Proescher, Jody B; Culotta, Valeria C; Hart, P John	Biochemistry (2009 Apr 21)	48 / 3436-47	PubMed Citation
Structural specificity of polyamines and polyamine analogues in the protection of DNA from strand br ...	Ha, H C; Yager, J D; Woster, P A; Casero Jr, R A	Biochem Biophys Res Commun (1998 Mar 6)	244 / 298-303	PubMed Citation
Studies on biochemical determinants of quinone-induced toxicity in primary murine bone marrow stroma ...	Twerdok, L E; Trush, M A	Adv Exp Med Biol (1991)	283 / 843-6	PubMed Citation
Studies on the mechanism of enhancement of butylated hydroxytoluene-induced mouse lung toxicity by b ...	Thompson, D C; Trush, M A	Toxicol Appl Pharmacol (1988 Oct)	96 / 122-31	PubMed Citation
Superoxide dismutase null mutants of baker's yeast, Saccharomyces cerevisiae.	Sturtz, Lori A; Culotta, Valeria Cizewski	Methods Enzymol (2002)	349 / 167-72	PubMed Citation
Supporting read-across using biological data.	Zhu, Hao; Bouhifd, Mounir; Donley, Elizabeth; Egnash, Laura; Kleinstreuer, Nicole; Kroese, E Dinant; Liu, Zhichao; Luechtefeld, Thomas; Palmer, Jessica; Pamies, David; Shen, Jie; Strauss, Volker; Wu, Shengde; Hartung, Thomas	ALTEX (2016)	33 / 167-82	PubMed Citation
Suppressors of superoxide dismutase (SOD1) deficiency in Saccharomyces cerevisiae. Identification of ...	Strain, J; Lorenz, C R; Bode, J; Garland, S; Smolen, G A; Ta, D T; Vickery, L E; Culotta, V C	J Biol Chem (1998 Nov 20)	273 / 31138-44	PubMed Citation

Synthesis and Characterization of a Pyromellitic Diimide-Based Polymer with C- and N-Main Chain link ...	Kola, Srinivas; Tremblay, Noah J; Yeh, Ming-Ling; Katz, Howard E; Kirschner, Stuart B; Reich, Daniel H	ACS Macro Lett (2011 Dec 5)	2012 / 136-140	PubMed Citation
t4 workshop report: Pathways of Toxicity.	Kleensang, Andre; Maertens, Alexandra; Rosenberg, Michael; Fitzpatrick, Suzanne; Lamb, Justin; Auerbach, Scott; Brennan, Richard; Crofton, Kevin M; Gordon, Ben; Fornace Jr, Albert J; Gaido, Kevin; Gerhold, David; Haw, Robin; Henney, Adriano; Ma'ayan, Avi; McBride, Mary; Monti, Stefano; Ochs, Michael F; Pandey, Akhilesh; Sharan, Roded; Stierum, Rob; Tugendreich, Stuart; Willett, Catherine; Wittwehr, Clemens; Xia, Jianguo; Patton, Geoffrey W; Arvidson, Kirk; Bouhifd, Mounir; Hogberg, Helena T; Luechtefeld, Thomas; Smirnova, Lena; Zhao, Liang; Adeleye, Yeyejide; Kanehisa, Minoru; Carmichael, Paul; Andersen, Melvin E; Hartung, Thomas	ALTEX (2014)	31 / 53-61	PubMed Citation
Targeted deletion of Jun/AP-1 in alveolar epithelial cells causes progressive emphysema and worsens ...	Reddy, Narsa M; Vegiraju, Suryanaraya; Irving, Ashley; Paun, Bogdan C; Luzina, Irina G; Atamas, Sergei P; Biswal, Shyam; Ana, Navas-Acien; Mitzner, Wayne; Reddy, Sekhar P	Am J Pathol (2012 Feb)	180 / 562-74	PubMed Citation
Targeting Nrf2 signaling improves bacterial clearance by alveolar macrophages in patients with COPD ...	Harvey, Christopher J; Thimmulappa, Rajesh K; Sethi, Sanjay; Kong, Xiaoni; Yarmus, Lonny; Brown, Robert H; Feller-Kopman, David; Wise, Robert; Biswal, Shyam	Sci Transl Med (2011 Apr 13)	3 / 78ra32	PubMed Citation
Targeting Nrf2 with the triterpenoid CDDO-imidazolide attenuates cigarette smoke-induced emphysema a ...	Sussan, Thomas E; Rangasamy, Tirumalai; Blake, David J; Malhotra, Deepti; El-Haddad, Hazim; Bedja, Djahida; Yates, Melinda S; Kombairaju, Ponvijay; Yamamoto, Masayuki; Liby, Karen T; Sporn, Michael B; Gabrielson, Kathleen L; Champion, Hunter C; Tuder, Rubin M; Kensler, Thomas W; Biswal, Shyam	Proc Natl Acad Sci U S A (2009 Jan 6)	106 / 250-5	PubMed Citation
The association of urine arsenic with prevalent and incident chronic kidney disease: evidence from t ...	Zheng, Laura Y; Umans, Jason G; Yeh, Fawn; Francesconi, Kevin A; Goessler, Walter; Silbergeld, Ellen K; Bandeen-Roche, Karen; Guallar, Eliseo; Howard, Barbara V; Weaver, Virginia M; Navas-Acien, Ana	Epidemiology (2015 Jul)	26 / 601-12	PubMed Citation
The effect of ex vivo CDDO-Me activation on nuclear factor erythroid 2-related factor 2 pathway in w ...	Noel, Sanjeev; Zheng, Laura; Navas-Acien, Ana; Fuchs, Ralph J	Shock (2014 Nov)	42 / 392-9	PubMed Citation

The effect of phosphate accumulation on metal ion homeostasis in Saccharomyces cerevisiae.	Rosenfeld, Leah; Reddi, Amit R; Leung, Edison; Aranda, Kimberly; Jensen, Laran T; Culotta, Valeria C	J Biol Inorg Chem (2010 Sep)	15 / 1051-62	PubMed Citation
The effects of 2,3,7,8-tetrachlorodibenzo-p-dioxin on estrogen metabolism in MCF-7 breast cancer cel ...	Spink, D C; Hayes, C L; Young, N R; Christou, M; Sutter, T R; Jefcoate, C R; Gierthy, J F	J Steroid Biochem Mol Biol (1994 Dec)	51 / 251-8	PubMed Citation
The effects of catechol-O-methyltransferase inhibition on estrogen metabolite and oxidative DNA dama ...	Lavigne, J A; Goodman, J E; Fonong, T; Odwin, S; He, P; Roberts, D W; Yager, J D	Cancer Res (2001 Oct 15)	61 / 7488-94	PubMed Citation
The effects of glutaredoxin and copper activation pathways on the disulfide and stability of Cu,Zn s ...	Carroll, Mark C; Outten, Caryn E; Proescher, Jody B; Rosenfeld, Leah; Watson, Walter H; Whitson, Lisa J; Hart, P John; Jensen, Laran T; Cizewski Culotta, Valeria	J Biol Chem (2006 Sep 29)	281 / 28648-56	PubMed Citation
The effects of mitochondrial iron homeostasis on cofactor specificity of superoxide dismutase 2.	Yang, Mei; Cobine, Paul A; Molik, Sabine; Naranuntarat, Amornrat; Lill, Roland; Winge, Dennis R; Culotta, Valeria C	EMBO J (2006 Apr 19)	25 / 1775-83	PubMed Citation
The immunophilins, FK506 binding protein and cyclophilin, are discretely localized in the brain: rel ...	Dawson, T M; Steiner, J P; Lyons, W E; Fotuhi, M; Blue, M; Snyder, S H	Neuroscience (1994 Sep)	62 / 569-80	PubMed Citation
The natural polyamine spermine functions directly as a free radical scavenger.	Ha, H C; Sirisoma, N S; Kuppusamy, P; Zweier, J L; Woster, P M; Casero Jr, R A	Proc Natl Acad Sci U S A (1998 Sep 15)	95 / 11140-5	PubMed Citation
The novel GTPase Rit differentially regulates axonal and dendritic growth.	Lein, Pamela J; Guo, Xin; Shi, Geng-Xian; Moholt-Siebert, Melissa; Bruun, Donald; Andres, Douglas A	J Neurosci (2007 Apr 25)	27 / 4725-36	PubMed Citation
The overlapping roles of manganese and Cu/Zn SOD in oxidative stress protection.	Reddi, Amit R; Jensen, Laran T; Naranuntarat, Amornrat; Rosenfeld, Leah; Leung, Edison; Shah, Rishita; Culotta, Valeria C	Free Radic Biol Med (2009 Jan 15)	46 / 154-62	PubMed Citation
The peroxidase-dependent activation of butylated hydroxyanisole and butylated hydroxytoluene (BHT) t ...	Thompson, D C; Cha, Y N; Trush, M A	J Biol Chem (1989 Mar 5)	264 / 3957-65	PubMed Citation
The peroxidative activation of butylated hydroxytoluene to BHT-quinone methide and stilbenequinone.	Thompson, D C; Cha, Y N; Trush, M A	Adv Exp Med Biol (1986)	197 / 301-9	PubMed Citation
The possible role of the ethanol-inducible isozyme of cytochrome P450 in the metabolism and distribu ...	Snyderwine, E G; Kroll, R; Rubin, R J	Toxicol Appl Pharmacol (1988 Mar 30)	93 / 11-21	PubMed Citation
The role of hydrogen peroxide in the in vitro cytotoxicity of 3-hydroxykynurenine.	Eastman, C L; Guilarte, T R	Neurochem Res (1990 Nov)	15 / 1101-7	PubMed Citation
The role of polyamine catabolism in polyamine analogue-induced programmed cell death.	Ha, H C; Woster, P M; Yager, J D; Casero Jr, R A	Proc Natl Acad Sci U S A (1997 Oct 14)	94 / 11557-62	PubMed Citation
The role of the Saccharomyces cerevisiae CCC1 gene in the homeostasis of manganese ions.	Lapinskas, P J; Lin, S J; Culotta, V C	Mol Microbiol (1996 Aug)	21 / 519-28	PubMed Citation
The toxicological implications of the interaction of butylated hydroxytoluene with other antioxidant ...	Thompson, D C; Trush, M A	Food Chem Toxicol (1986 Oct-Nov)	24 / 1189-95	PubMed Citation
The transcription factor encyclopedia.	Yusuf, Dimas; Butland, Stefanie L; Swanson, Magdalena I; Bolotin, Eugene; Ticoll, Amy; Cheung, Warren A; Zhang, Xiao Yu Cindy; Dickman, Christopher T D; Fulton, Debra L; Lim, Jonathan S; Schnabl, Jake M; Ramos, Oscar H P; Vasseur-Cognet,	Genome Biol (2012)	13 / R24	PubMed Citation

Mireille; de Leeuw, Charles N; Simpson, Elizabeth M; Ryffel, Gerhart U; Lam, Eric W-F; Kist, Ralf; Wilson, Miranda S C; Marco-Ferreres, Raquel; Brosens, Jan J; Beccari, Leonardo L; Bovolenta, Paola; Benayoun, Bérénice A; Monteiro, Lara J; Schwenen, Helma D C; Grontved, Lars; Wederell, Elizabeth; Mandrup, Susanne; Veitia, Reiner A; Chakravarthy, Harini; Hoodless, Pamela A; Mancarelli, M Michela; Torbett, Bruce E; Banham, Alison H; Reddy, Sekhar P; Cullum, Rebecca L; Liedtke, Michaela; Tschan, Mario P; Vaz, Michelle; Rizzino, Angie; Zannini, Mariastella; Frietze, Seth; Farnham, Peggy J; Eijkelenboom, Astrid; Brown, Philip J; Laperrière, David; Leprince, Dominique; de Cristofaro, Tiziana; Prince, Kelly L; Putker, Marrit; del Peso, Luis; Camenisch, Gieri; Wenger, Roland H; Mikula, Michal; Rozendaal, Marieke; Mader, Sylvie; Ostrowski, Jerzy; Rhodes, Simon J; Van Rechem, Capucine; Boulay, Gaylor; Olechnowicz, Sam W Z; Breslin, Mary B; Lan, Michael S; Nanan, Kyster K; Wegner, Michael; Hou, Juan; Mullen, Rachel D; Colvin, Stephanie C; Noy, Peter John; Webb, Carol F; Witek, Matthew E; Ferrell, Scott; Daniel, Juliet M; Park, Jason; Waldman, Scott A; Peet, Daniel J; Taggart, Michael; Jayaraman, Padma-Sheela; Karrich, Julien J; Blom, Bianca; Vesuna, Farhad; O'Geen, Henriette; Sun, Yunfu; Gronostajski, Richard M; Woodcroft, Mark W; Hough, Margaret R; Chen, Edwin; Europe-Finner, G Nicholas; Karolczak-Bayatti, Magdalena; Bailey, Jarrod; Hankinson, Oliver; Raman, Venu; LeBrun, David P; Biswal, Shyam; Harvey, Christopher J; DeBruyne, Jason P; Hogenesch, John B; Hevner, Robert F; Héligon, Christophe; Luo, Xin M; Blank, Marissa Cathleen; Millen, Kathleen Joyce; Sharlin, David S; Forrest, Douglas; Dahlman-Wright, Karin; Zhao, Chunyan; Mishima, Yuriko; Sinha, Satrajit; Chakrabarti,

	Rumela; Portales-Casamar, Elodie; Sladek, Frances M; Bradley, Philip H; Wasserman, Wyeth W			
The yeast copper/zinc superoxide dismutase and the pentose phosphate pathway play overlapping roles ...	Slekar, K H; Kosman, D J; Culotta, V C	J Biol Chem (1996 Nov 15)	271 / 28831-6	PubMed Citation
TLR3 deficiency induces chronic inflammatory cardiomyopathy in resistant mice following coxsackievir ...	Abston, Eric D; Coronado, Michael J; Bucek, Adriana; Onyimba, Jennifer A; Brandt, Jessica E; Frisancho, J Augusto; Kim, Eunyong; Bedja, Djahida; Sung, Yoon-kyu; Radtke, Andrea J; Gabrielson, Kathleen L; Mitzner, Wayne; Fairweather, DeLisa	Am J Physiol Regul Integr Comp Physiol (2013 Feb 15)	304 / R267-77	PubMed Citation
Toward Good Read-Across Practice (GRAP) guidance.	Ball, Nicholas; Cronin, Mark T D; Shen, Jie; Blackburn, Karen; Booth, Ewan D; Bouhifd, Mounir; Donley, Elizabeth; Egnash, Laura; Hastings, Charles; Juberg, Daland R; Kleensang, Andre; Kleinstreuer, Nicole; Kroese, E Dinant; Lee, Adam C; Luechtefeld, Thomas; Maertens, Alexandra; Marty, Sue; Naciff, Jorge M; Palmer, Jessica; Pamies, David; Penman, Mike; Richarz, Andrea-Nicole; Russo, Daniel P; Stuard, Sharon B; Patlewicz, Grace; van Ravenzwaay, Bennard; Wu, Shengde; Zhu, Hao; Hartung, Thomas	ALTEX (2016)	33 / 149-66	PubMed Citation
Toxicity of commercially available engineered nanoparticles to Caco-2 and SW480 human intestinal epi ...	Abbott Chalew, Talia E; Schwab, Kellogg J	Cell Biol Toxicol (2013 Apr)	29 / 101-16	PubMed Citation
Transcription from an upstream promoter controls methylation signaling from an inverted repeat of en ...	Melquist, Stacey; Bender, Judith	Genes Dev (2003 Aug 15)	17 / 2036-47	PubMed Citation
Translocator protein (18 kDa)/peripheral benzodiazepine receptor specific ligands induce microglia f ...	Choi, Judy; Ifuku, Masataka; Noda, Mami; Guilarte, Tomas R	Glia (2011 Feb)	59 / 219-30	PubMed Citation
Transport of metal oxide nanoparticles and single-walled carbon nanotubes in human mucus.	Jachak, Ashish; Lai, Samuel K; Hida, Kaoru; Suk, Jung Soo; Markovic, Nina; Biswal, Shyam; Breysse, Patrick N; Hanes, Justin	Nanotoxicology (2012 Sep)	6 / 614-22	PubMed Citation
Trimethyltin ototoxicity in albino rats.	Eastman, C L; Young, J S; Fechter, L D	Neurotoxicol Teratol (1987 Sep-Oct)	9 / 329-32	PubMed Citation
Trypanosoma cruzi: exposure of murine cells to live parasites in vitro leads to enhanced surface cla ...	Stryker, G A; Nickell, S P	Exp Parasitol (1995 Dec)	81 / 564-73	PubMed Citation
Tryptic peptides of human thyroglobulin: II. Immunoreactivity with sera from patients with thyroid d ...	Saboori, A M; Caturegli, P; Rose, N R; Mariotti, S; Pinchera, A; Burek, C L	Clin Exp Immunol (1994 Dec)	98 / 459-63	PubMed Citation
TSPO in a murine model of Sandhoff disease: presymptomatic marker of neurodegeneration and disease p ...	Loth, Meredith K; Choi, Judy; McGlothan, Jennifer L; Pletnikov, Mikhail V; Pomper, Martin G; Guilarte, Tomás R	Neurobiol Dis (2016 Jan)	85 / 174-86	PubMed Citation

Ubiquitin lysine 63 chain forming ligases regulate apical dominance in Arabidopsis.	Yin, Xiao-Jun; Volk, Sara; Ljung, Karin; Mehlmer, Norbert; Dolezal, Karel; Ditengou, Franck; Hanano, Shigeru; Davis, Seth J; Schmelzer, Elmon; Sandberg, Göran; Teige, Markus; Palme, Klaus; Pickart, Cecile; Bachmair, Andreas	Plant Cell (2007 Jun)	19 / 1898-911	PubMed Citation
Unconventional Natural Gas Development and Birth Outcomes in Pennsylvania, USA.	Casey, Joan A; Savitz, David A; Rasmussen, Sara G; Ogburn, Elizabeth L; Pollak, Jonathan; Mercer, Dione G; Schwartz, Brian S	Epidemiology (2016 Mar)	27 / 163-72	PubMed Citation
Unsymmetrically substituted polyamine analogue induces caspase-independent programmed cell death in ...	Ha, H C; Woster, P M; Casero Jr, R A	Cancer Res (1998 Jul 1)	58 / 2711-4	PubMed Citation
Update on coxsackievirus B3 myocarditis.	Fairweather, DeLisa; Stafford, Katelyn A; Sung, Yoon K	Curr Opin Rheumatol (2012 Jul)	24 / 401-7	PubMed Citation
Uptake of 3-hydroxykynurenine measured in rat brain slices and in a neuronal cell line.	Eastman, C L; Guilarte, T R; Lever, J R	Brain Res (1992 Jul 3)	584 / 110-6	PubMed Citation
Urinary free bisphenol A and bisphenol A-glucuronide concentrations in newborns.	Nachman, Rebecca M; Fox, Stephen D; Golden, W Christopher; Sibinga, Erica; Veenstra, Timothy D; Groopman, John D; Lees, Peter S J	J Pediatr (2013 Apr)	162 / 870-2	PubMed Citation
Urine arsenic and prevalent albuminuria: evidence from a population-based study.	Zheng, Laura Y; Umans, Jason G; Tellez-Plaza, Maria; Yeh, Fawn; Francesconi, Kevin A; Goessler, Walter; Silbergeld, Ellen K; Guallar, Eliseo; Howard, Barbara V; Weaver, Virginia M; Navas-Acien, Ana	Am J Kidney Dis (2013 Mar)	61 / 385-94	PubMed Citation
Use of Pathogen-Specific Antibody Biomarkers to Estimate Waterborne Infections in Population-Based S ...	Exum, Natalie G; Pisanic, Nora; Granger, Douglas A; Schwab, Kellogg J; Detrick, Barbara; Kosek, Margaret; Egorov, Andrey I; Griffin, Shannon M; Heaney, Christopher D	Curr Environ Health Rep ()	3 / 322-34	PubMed Citation
Using fluorescently labelled M13-tailed primers to isolate 45 novel microsatellite loci from the arb ...	Venkatesan, M; Hauer, M C; Rasgon, J L	Med Vet Entomol (2007 Jun)	21 / 204-8	PubMed Citation
Variability of hepatitis E serologic assays in a pediatric liver transplant recipient: challenges to ...	Sue, P K; Pisanic, N; Heaney, C D; Mixson-Hayden, T; Kamili, S; Nelson, K; Schwarz, K B; Forman, M; Valsamakis, A; Ticehurst, J; Karnsakul, W	Transpl Infect Dis (2015 Apr)	17 / 284-8	PubMed Citation
Variability of molecular biomarker measurements from nonlinear calibration curves.	Gange, S J; Munoz, A; Wang, J S; Groopman, J D	Cancer Epidemiol Biomarkers Prev (1996 Jan)	5 / 57-61	PubMed Citation
When NRF2 talks, who's listening?	Wakabayashi, Nobunao; Slocum, Stephen L; Skoko, John J; Shin, Soona; Kensler, Thomas W	Antioxid Redox Signal (2010 Dec 1)	13 / 1649-63	PubMed Citation
Yeast lacking superoxide dismutase. Isolation of genetic suppressors.	Liu, X F; Elashvili, I; Gralla, E B; Valentine, J S; Lapinskas, P; Culotta, V C	J Biol Chem (1992 Sep 15)	267 / 18298-302	PubMed Citation