

Hesham M Korashy

List of Publications by Year in descending order

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88
papers

2,989
citations

136950
32
h-index

182427
51
g-index

90
all docs

90
docs citations

90
times ranked

4723
citing authors

#	ARTICLE	IF	CITATIONS
1	The Role of Aryl Hydrocarbon Receptor in the Pathogenesis of Cardiovascular Diseases. Drug Metabolism Reviews, 2006, 38, 411-450.	3.6	157
2	Metformin attenuates streptozotocin-induced diabetic nephropathy in rats through modulation of oxidative stress genes expression. Chemico-Biological Interactions, 2011, 192, 233-242.	4.0	144
3	The Effect of Liver Cirrhosis on the Regulation and Expression of Drug Metabolizing Enzymes. Current Drug Metabolism, 2004, 5, 157-167.	1.2	127
4	Aryl hydrocarbon receptor/cytochrome P450 1A1 pathway mediates breast cancer stem cells expansion through PTEN inhibition and β -Catenin and Akt activation. Molecular Cancer, 2017, 16, 14.	19.2	111
5	Differential effects of mercury, lead and copper on the constitutive and inducible expression of aryl hydrocarbon receptor (AHR)-regulated genes in cultured hepatoma Hepa 1c1c7 cells. Toxicology, 2004, 201, 153-172.	4.2	92
6	Dexamethasone Attenuates LPS-induced Acute Lung Injury through Inhibition of NF- κ B, COX-2, and Pro-inflammatory Mediators. Immunological Investigations, 2016, 45, 349-369.	2.0	92
7	Regulation of TNF- α and NF- κ B activation through the JAK/STAT signaling pathway downstream of histamine 4 receptor in a rat model of LPS-induced joint inflammation. Immunobiology, 2015, 220, 889-898.	1.9	89
8	Endoplasmic Reticulum Stress: A Critical Molecular Driver of Endothelial Dysfunction and Cardiovascular Disturbances Associated with Diabetes. International Journal of Molecular Sciences, 2019, 20, 1658.	4.1	83
9	Regulatory Mechanisms Modulating the Expression of Cytochrome P450 1A1 Gene by Heavy Metals. Toxicological Sciences, 2005, 88, 39-51.	3.1	82
10	Thymoquinone suppression of the human hepatocellular carcinoma cell growth involves inhibition of IL-8 expression, elevated levels of TRAIL receptors, oxidative stress and apoptosis. Molecular and Cellular Biochemistry, 2014, 389, 85-98.	3.1	79
11	Effect of long-term human exposure to environmental heavy metals on the expression of detoxification and DNA repair genes. Environmental Pollution, 2013, 181, 226-232.	7.5	78
12	The Role of Protein Tyrosine Phosphatase (PTP)-1B in Cardiovascular Disease and Its Interplay with Insulin Resistance. Biomolecules, 2019, 9, 286.	4.0	73
13	Sinapic acid mitigates gentamicin-induced nephrotoxicity and associated oxidative/nitrosative stress, apoptosis, and inflammation in rats. Life Sciences, 2016, 165, 1-8.	4.3	65
14	The role of redox-sensitive transcription factors NF- κ B and AP-1 in the modulation of the Cyp1a1 gene by mercury, lead, and copper. Free Radical Biology and Medicine, 2008, 44, 795-806.	2.9	57
15	Camel Milk Triggers Apoptotic Signaling Pathways in Human Hepatoma HepG2 and Breast Cancer MCF7 Cell Lines through Transcriptional Mechanism. Journal of Biomedicine and Biotechnology, 2012, 2012, 1-9.	3.0	57
16	Benzo[a]Pyrene, 3-Methylcholanthrene and β -Naphthoflavone Induce Oxidative Stress in Hepatoma Hepa 1c1c7 Cells by an AHR-dependent Pathway. Free Radical Research, 2004, 38, 1191-1200.	3.3	55
17	TRANSCRIPTIONAL REGULATION OF THE NAD(P)H:QUINONE OXIDOREDUCTASE 1 AND GLUTATHIONE S-TRANSFERASE YA GENES BY MERCURY, LEAD, AND COPPER. Drug Metabolism and Disposition, 2006, 34, 152-165.	3.3	55
18	The role of aryl hydrocarbon receptor signaling pathway in cardiotoxicity of acute lead intoxication in vivo and in vitro rat model. Toxicology, 2013, 306, 40-49.	4.2	55

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19	Rutin Attenuates Carfilzomib-Induced Cardiotoxicity Through Inhibition of NF- κ B, Hypertrophic Gene Expression and Oxidative Stress. Cardiovascular Toxicology, 2017, 17, 58-66.	2.7	55
20	Metformin Rescues the Myocardium from Doxorubicin-Induced Energy Starvation and Mitochondrial Damage in Rats. Oxidative Medicine and Cellular Longevity, 2012, 2012, 1-13.	4.0	54
21	Naringin Attenuates the Development of Carrageenan-Induced Acute Lung Inflammation Through Inhibition of NF- κ B, STAT3 and Pro-Inflammatory Mediators and Enhancement of IL-1 β and Anti-Inflammatory Cytokines. Inflammation, 2015, 38, 846-857.	3.8	53
22	Gene expression profiling to identify the toxicities and potentially relevant human disease outcomes associated with environmental heavy metal exposure. Environmental Pollution, 2017, 221, 64-74.	7.5	51
23	The impact of experimental hyperlipidemia on the distribution and metabolism of amiodarone in rat. International Journal of Pharmaceutics, 2008, 361, 78-86.	5.2	50
24	Induction of Cytochrome P450 1A1 by Ketoconazole and Itraconazole but not Fluconazole in Murine and Human Hepatoma Cell Lines. Toxicological Sciences, 2007, 97, 32-43.	3.1	47
25	Molecular mechanisms of cardiotoxicity of gefitinib in vivo and in vitro rat cardiomyocyte: Role of apoptosis and oxidative stress. Toxicology Letters, 2016, 252, 50-61.	0.8	43
26	Development of cardiac hypertrophy by sunitinib in vivo and in vitro rat cardiomyocytes is influenced by the aryl hydrocarbon receptor signaling pathway. Archives of Toxicology, 2014, 88, 725-38.	4.2	42
27	Gefitinib. Profiles of Drug Substances, Excipients and Related Methodology, 2014, 39, 239-264.	8.0	42
28	Modulation of TCDD-mediated induction of cytochrome P450 1A1 by mercury, lead, and copper in human HepG2 cell line. Toxicology in Vitro, 2008, 22, 154-158.	2.4	41
29	Camel milk attenuates the biochemical and morphological features of diabetic nephropathy: Inhibition of Smad1 and collagen type IV synthesis. Chemico-Biological Interactions, 2015, 229, 100-108.	4.0	40
30	The role of poly(ADP-ribose) polymerase-1 inhibitor in carrageenan-induced lung inflammation in mice. Molecular Immunology, 2015, 63, 394-405.	2.2	38
31	The role of aryl hydrocarbon receptor and the reactive oxygen species in the modulation of glutathione transferase by heavy metals in murine hepatoma cell lines. Chemico-Biological Interactions, 2006, 162, 237-248.	4.0	33
32	Synthesis, characterization, in vitro cytotoxicity and DNA interaction study of phosphanegold(I) complexes with dithiocarbamate ligands. Inorganica Chimica Acta, 2017, 464, 37-48.	2.4	32
33	Stimulation of the histamine 4 receptor with 4-methylhistamine modulates the effects of chronic stress on the Th1/Th2 cytokine balance. Immunobiology, 2015, 220, 341-349.	1.9	31
34	Phloretin attenuates STAT-3 activity and overcomes sorafenib resistance targeting SHP-1-mediated inhibition of STAT3 and Akt/VEGFR2 pathway in hepatocellular carcinoma. Cell Communication and Signaling, 2019, 17, 127.	6.5	31
35	Genotoxic impact of long-term cigarette and waterpipe smoking on DNA damage and oxidative stress in healthy subjects. Toxicology Mechanisms and Methods, 2019, 29, 119-127.	2.7	31
36	Sunitinib, a tyrosine kinase inhibitor, induces cytochrome P450 1A1 gene in human breast cancer MCF7 cells through ligand-independent aryl hydrocarbon receptor activation. Archives of Toxicology, 2013, 87, 847-856.	4.2	29

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37	Metformin inhibits 7,12-dimethylbenz[a]anthracene-induced breast carcinogenesis and adduct formation in human breast cells by inhibiting the cytochrome P4501A1/aryl hydrocarbon receptor signaling pathway. <i>Toxicology and Applied Pharmacology</i> , 2015, 284, 217-226.	2.8	29
38	The p38 MAPK Inhibitor SB203580 Induces Cytochrome P450 1A1 Gene Expression in Murine and Human Hepatoma Cell Lines through Ligand-Dependent Aryl Hydrocarbon Receptor Activation. <i>Chemical Research in Toxicology</i> , 2011, 24, 1540-1548.	3.3	27
39	Camel Milk Modulates the Expression of Aryl Hydrocarbon Receptor-Regulated Genes, Cyp1a1, Nqo1, and Gsta1, in Murine hepatoma Hepa 1c1c7 Cells. <i>Journal of Biomedicine and Biotechnology</i> , 2012, 2012, 1-10.	3.0	27
40	Mitogen-Activated Protein Kinases Pathways Mediate the Sunitinib-Induced Hypertrophy in Rat Cardiomyocyte H9c2 Cells. <i>Cardiovascular Toxicology</i> , 2015, 15, 41-51.	2.7	27
41	Camel urine inhibits the cytochrome P450 1a1 gene expression through an AhR-dependent mechanism in Hepa 1c1c7 cell line. <i>Journal of Ethnopharmacology</i> , 2011, 133, 184-190.	4.1	25
42	Design and Synthesis of <i>N</i> -Arylphthalimides as Inhibitors of Glucocorticoid-Induced TNF Receptor-Related Protein, Proinflammatory Mediators, and Cytokines in Carrageenan-Induced Lung Inflammation. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 8850-8867.	6.4	25
43	Meteorological Factors and Seasonal Stroke Rates: A Four-year Comprehensive Study. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2019, 28, 2324-2331.	1.6	25
44	The role of NF- κ B and AhR transcription factors in lead-induced lung toxicity in human lung cancer A549 cells. <i>Toxicology Mechanisms and Methods</i> , 2020, 30, 197-207.	2.7	25
45	BCL-2 Inhibitor Venetoclax Induces Autophagy-Associated Cell Death, Cell Cycle Arrest, and Apoptosis in Human Breast Cancer Cells. <i>OncoTargets and Therapy</i> , 2020, Volume 13, 13357-13370.	2.0	25
46	NF- κ B and AP-1 are key signaling pathways in the modulation of NAD(P)H:Quinone oxidoreductase 1 gene by mercury, lead, and copper. <i>Journal of Biochemical and Molecular Toxicology</i> , 2008, 22, 274-283.	3.0	24
47	High-performance liquid chromatographic method for the determination of dasatinib in rabbit plasma using fluorescence detection and its application to a pharmacokinetic study. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2013, 939, 73-79.	2.3	24
48	Riboflavin attenuates lipopolysaccharide-induced lung injury in rats. <i>Toxicology Mechanisms and Methods</i> , 2015, 25, 417-423.	2.7	24
49	Dasatinib. <i>Profiles of Drug Substances, Excipients and Related Methodology</i> , 2014, 39, 205-237.	8.0	23
50	EGFR Inhibitor Gefitinib Induces Cardiotoxicity through the Modulation of Cardiac PTEN/Akt/FoxO3a Pathway and Reactive Metabolites Formation: <i>In Vivo</i> and <i>In Vitro</i> Rat Studies. <i>Chemical Research in Toxicology</i> , 2020, 33, 1719-1728.	3.3	22
51	Impact of cigarette smoke exposure on the expression of cardiac hypertrophic genes, cytochrome P450 enzymes, and oxidative stress markers in rats. <i>Journal of Toxicological Sciences</i> , 2012, 37, 1083-1090.	1.5	21
52	Effects of <i>Nigella sativa</i> and <i>Lepidium sativum</i> on Cyclosporine Pharmacokinetics. <i>BioMed Research International</i> , 2013, 2013, 1-6.	1.9	21
53	Epigenetic Regulation of Cancer Stem Cells by the Aryl Hydrocarbon Receptor Pathway. <i>Seminars in Cancer Biology</i> , 2022, 32, 177-196.	9.6	21
54	Between Inflammation and Autophagy: The Role of Leptin-Adiponectin Axis in Cardiac Remodeling. <i>Journal of Inflammation Research</i> , 2021, Volume 14, 5349-5365.	3.5	19

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55	Sunitinib Malate. Profiles of Drug Substances, Excipients and Related Methodology, 2012, 37, 363-388.	8.0	18
56	Treatment with aliskiren ameliorates tacrolimus-induced nephrotoxicity in rats. JRAAS - Journal of the Renin-Angiotensin-Aldosterone System, 2015, 16, 1329-1336.	1.7	18
57	Transcriptional and posttranslational mechanisms modulating the expression of the cytochrome P450 1A1 gene by lead in HepG2 cells: A role of heme oxygenase. Toxicology, 2012, 291, 113-121.	4.2	17
58	Induction of the NAD(P)H:quinone oxidoreductase 1 by ketoconazole and itraconazole: A mechanism of cancer chemoprotection. Cancer Letters, 2007, 258, 135-143.	7.2	15
59	Alpha-lipoic acid rebalances redox and immune-testicular milieu in septic rats. Chemico-Biological Interactions, 2011, 189, 198-205.	4.0	15
60	Sunitinib Inhibits Breast Cancer Cell Proliferation by Inducing Apoptosis, Cell-cycle Arrest and DNA Repair While Inhibiting NF- κ B Signaling Pathways. Anticancer Research, 2017, 37, 4899-4909.	1.1	14
61	Interplay between Endoplasmic Reticulum Stress and Large Extracellular Vesicles (Microparticles) in Endothelial Cell Dysfunction. Biomedicines, 2020, 8, 409.	3.2	13
62	Endoplasmic Reticulum (ER) Stress-Generated Extracellular Vesicles (Microparticles) Self-Perpetuate ER Stress and Mediate Endothelial Cell Dysfunction Independently of Cell Survival. Frontiers in Cardiovascular Medicine, 2020, 7, 584791.	2.4	13
63	Aryl Hydrocarbon Receptor Promotes Cell Growth, Stemness Like Characteristics, and Metastasis in Human Ovarian Cancer via Activation of PI3K/Akt, β -Catenin, and Epithelial to Mesenchymal Transition Pathways. International Journal of Molecular Sciences, 2022, 23, 6395.	4.1	13
64	Pharmacokinetic interaction studies of fenugreek with CYP3A substrates cyclosporine and carbamazepine. European Journal of Drug Metabolism and Pharmacokinetics, 2014, 39, 147-153.	1.6	12
65	Lepidium Sativum but not Nigella Sativa Affects Carbamazepine Disposition in an Animal Model. Drug Metabolism Letters, 2013, 7, 47-51.	0.8	11
66	Downregulation of the Cardiotrophin-1 Gene Expression by Valsartan and Spironolactone in Hypertrophied Heart Rats In Vivo and Rat Cardiomyocyte H9c2 Cell Line In Vitro. Journal of Cardiovascular Pharmacology, 2013, 61, 337-344.	1.9	10
67	Lead Nitrate Induces Inflammation and Apoptosis in Rat Lungs Through the Activation of NF- κ B and AhR Signaling Pathways. Environmental Science and Pollution Research, 2022, 29, 64959-64970.	5.3	10
68	Molecular Mechanisms of Adiponectin-Induced Attenuation of Mechanical Stretch-Mediated Vascular Remodeling. Oxidative Medicine and Cellular Longevity, 2020, 2020, 1-15.	4.0	9
69	Effect of bile and lipids on the stereoselective metabolism of halofantrine by rat everted intestinal sacs. Chirality, 2010, 22, 275-283.	2.6	8
70	Sestrin2 suppression aggravates oxidative stress and apoptosis in endothelial cells subjected to pharmacologically induced endoplasmic reticulum stress. European Journal of Pharmacology, 2021, 907, 174247.	3.5	8
71	The Role of Aryl Hydrocarbon Receptor-Regulated Cytochrome P450 Enzymes in Glioma. Current Pharmaceutical Design, 2013, 19, 7155-7166.	1.9	8
72	Differential Effects of Sunitinib on the Expression Profiles of Xenobiotic-Metabolizing Enzymes and Transporters in Rat Liver and Kidneys. Basic and Clinical Pharmacology and Toxicology, 2016, 119, 173-183.	2.5	7

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73	Influence of the Aryl Hydrocarbon Receptor Activating Environmental Pollutants on Autism Spectrum Disorder. International Journal of Molecular Sciences, 2021, 22, 9258.	4.1	7
74	Gold-containing compound BDG-I inhibits the growth of A549 lung cancer cells through the deregulation of miRNA expression. Saudi Pharmaceutical Journal, 2018, 26, 1035-1043.	2.7	6
75	FoxO3a is Essential for the Antiproliferative and Apoptogenic Effects of Sunitinib in MDA-MB231 Cell Line. Anticancer Research, 2016, 36, 6097-6108.	1.1	6
76	Therapeutic potential of carfilzomib, an irreversible proteasome inhibitor, against acetaminophen-induced hepatotoxicity in mice. Journal of Biochemical and Molecular Toxicology, 2017, 31, e21877.	3.0	3
77	Protein tyrosine phosphatase 1B inhibition improves endoplasmic reticulum stressâ€impaired endothelial cell angiogenic response: A critical role for cell survival. Molecular Medicine Reports, 2021, 24, .	2.4	3
78	In vivo and in vitro studies evaluating the chemopreventive effect of metformin on the aryl hydrocarbon receptor-mediated breast carcinogenesis. Saudi Journal of Biological Sciences, 2021, 28, 7396-7403.	3.8	3
79	Metformin attenuates V-domain Ig suppressor of T-cell activation through the aryl hydrocarbon receptor pathway in Melanoma: In Vivo and In Vitro Studies. Saudi Pharmaceutical Journal, 2022, 30, 138-149.	2.7	2
80	Ketoconazole Stereoisomers Differentially Induce Cytochrome P450 1A1 Between Human Hepatoma HepG2 and Mouse Hepatoma Hepa1c1c7 Cells. Journal of Pharmaceutical Sciences, 2016, 105, 1318-1326.	3.3	1
81	Venetoclax, a Novel BCLâ€2 Inhibitor, Induces Cell Growth Suppression, Apoptosis, Cell Cycle Arrest, and Autophagy in Triple Negative Breast Cancer MDAâ€MBâ€231 Cells. FASEB Journal, 2019, 33, 674.16.	0.5	1
82	Involvement of caveolae in hyperglycemia-induced changes in adiponectin and leptin expressions in vascular smooth muscle cells. European Journal of Pharmacology, 2022, 919, 174701.	3.5	1
83	Aryl hydrocarbon Receptor (AhR) Promotes Cell Growth, Induces Stemness Like Characteristics and Metastasis in Ovarian Cancer Cells via Activation of Akt, Î²â€Catenin and EMT. FASEB Journal, 2022, 36, .	0.5	1
84	Reply to Dvorak and Pavlek, Letter to the Editor, regarding â€œThe role of redox-sensitive transcription factors NF-ÎºB and AP-1 in the modulation of Cyp1a1 gene by mercury, lead, and copperâ€• Free Radical Biology and Medicine, 2008, 45, 940.	2.9	0
85	Metformin Attenuates Doxorubicinâ€induced Cardiotoxicity In Rats. FASEB Journal, 2012, 26, 1038.3.	0.5	0
86	Letter to the Editor Response. Journal of Stroke and Cerebrovascular Diseases, 2020, 29, 104768.	1.6	0
87	Metformin attenuates leadâ€induced inflammatory and apoptotic lung injury through modulation of P53 and TNFâ€ pathways in rats. FASEB Journal, 2020, 34, 1-1.	0.5	0
88	Pharmacokinetics and distribution of cathine and cathinone in rats. FASEB Journal, 2022, 36, .	0.5	0