Pedro Maria FernÃ¡ndez-Salguero

List of Publications by Year
in descending order

101 papers	10,547 citations	41339 49 h-index	32838 100 g-index
105 all docs	105 docs citations	105 times ranked	9890 citing authors

#	ARTICLE	IF	CITATIONS
1	The T/ebp null mouse: thyroid-specific enhancer-binding protein is essential for the organogenesis of the thyroid, lung, ventral forebrain, and pituitary.. Genes and Development, 1996, 10, 60-69.	5.9	1,108
2	Immune system impairment and hepatic fibrosis in mice lacking the dioxin-binding Ah receptor. Science, 1995, 268, 722-726.	12.6	1,010
3	Aryl-hydrocarbon Receptor-Deficient Mice Are Resistant to 2,3,7,8-Tetrachlorodibenzo-p-dioxin-Induced Toxicity. Toxicology and Applied Pharmacology, 1996, 140, 173-179.	2.8	762
4	Role of CYP2E1 in the Hepatotoxicity of Acetaminophen. Journal of Biological Chemistry, 1996, 271, 12063-12067.	3.4	557
5	Genomic instability in Gadd45a-deficient mice. Nature Genetics, 1999, 23, 176-184.	21.4	468
6	The aryl hydrocarbon receptor, more than a xenobiotic-interacting protein. FEBS Letters, 2007, 581, 3608-3615.	2.8	347
7	Lesions of Aryl-hydrocarbon Receptorâ€“deficient Mice. Veterinary Pathology, 1997, 34, 605-614.	1.7	313
8	Molecular basis of the human dihydropyrimidine dehydrogenase deficiency and 5-fluorouracil toxicity.. Journal of Clinical Investigation, 1996, 98, 610-615.	8.2	312
9	Targeted Genomic Disruption of H- ras and N- ras , Individually or in Combination, Reveals the Dispensability of Both Loci for Mouse Growth and Development. Molecular and Cellular Biology, 2001, 21, 1444-1452.	2.3	265
10	Amelioration of TCDD-induced teratogenesis in aryl hydrocarbon receptor (AhR)-null mice. Toxicological Sciences, 1999, 47, 86-92.	3.1	210
11	The antiproliferative activity of resveratrol results in apoptosis in MCF-7 but not in MDA-MB-231 human breast cancer cells: cell-specific alteration of the cell cycle. Biochemical Pharmacology, 2002, 64, 1375-1386.	4.4	210
12	Resveratrolâ€induced apoptosis in MCFâ€7 human breast cancer cells involves a caspaseâ€independent mechanism with downregulation of Bclâ€2 and NFâ€ºB. International Journal of Cancer, 2005, 115, 74-84.	5.1	208
13	New Trends in Aryl Hydrocarbon Receptor Biology. Frontiers in Cell and Developmental Biology, 2016, 4, 45.	3.7	194
14	Targeted Disruption of the Microsomal Epoxide Hydrolase Gene. Journal of Biological Chemistry, 1999, 274, 23963-23968.	3.4	173
15	Characterization of the Human Dihydropyrimidine Dehydrogenase Gene. Genomics, 1998, 51, 391-400.	2.9	158
16	Mechanisms Involved in Resveratrol-Induced Apoptosis and Cell Cycle Arrest in Prostate Cancer-Derived Cell Lines. Journal of Andrology, 2006, 28, 282-293.	2.0	152
17	The Involvement of Aryl Hydrocarbon Receptor in the Activation of Transforming Growth Factor-Î² and Apoptosis. Molecular Pharmacology, 1998, 54, 313-321.	2.3	143
18	Expression of CYP2A genes in human liver and extrahepatic tissues. Biochemical Pharmacology, 1999, 57, 1407-1413.	4.4	142

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19	Resveratrol modulates the phosphoinositide 3â€kinase pathway through an estrogen receptor Î±â€dependent mechanism: Relevance in cell proliferation. International Journal of Cancer, 2004, 109, 167-173.	5.1	130
20	Dihydropyrimidine dehydrogenase pharmacogenetics in Caucasian subjects. British Journal of Clinical Pharmacology, 1998, 46, 151-156.	2.4	113
21	A mesenchymalâ€like phenotype and expression of CD44 predict lack of apoptotic response to sorafenib in liver tumor cells. International Journal of Cancer, 2015, 136, E161-72.	5.1	108
22	Neonatal lethality associated with respiratory distress in mice lacking cytochrome P450 1A2.. Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 5134-5138.	7.1	104
23	L-Kynurenine/Aryl Hydrocarbon Receptor Pathway Mediates Brain Damage After Experimental Stroke. Circulation, 2014, 130, 2040-2051.	1.6	100
24	Nomenclature for human DPYD alleles. Pharmacogenetics and Genomics, 1998, 8, 455-460.	5.7	99
25	Aryl Hydrocarbon Receptorâ€“Dependent Induction of Liver Fibrosis by Dioxin. Toxicological Sciences, 2014, 137, 114-124.	3.1	99
26	CD69 controls the uptake of L-tryptophan through LAT1-CD98 and AhR-dependent secretion of IL-22 in psoriasis. Nature Immunology, 2016, 17, 985-996.	14.5	98
27	The dioxin receptor is silenced by promoter hypermethylation in human acute lymphoblastic leukemia through inhibition of Sp1 binding. Carcinogenesis, 2006, 27, 1099-1104.	2.8	97
28	Bmi1 regulates murine intestinal stem cell proliferation and self-renewal downstream of Notch. Development (Cambridge), 2015, 142, 41-50.	2.5	89
29	Immortalized Mouse Mammary Fibroblasts Lacking Dioxin Receptor Have Impaired Tumorigenicity in a Subcutaneous Mouse Xenograft Model. Journal of Biological Chemistry, 2005, 280, 28731-28741.	3.4	87
30	Dihydropyrimidine dehydrogenase pharmacogenetics in patients with colorectal cancer. British Journal of Cancer, 1998, 77, 497-500.	6.4	81
31	The CYP2 A gene subfamily: species differences, regulation, catalytic activities and role in chemical carcinogenesis. Pharmacogenetics and Genomics, 1995, 5, S123-S128.	5.7	78
32	Dioxin receptor and SLUG transcription factors regulate the insulator activity of B1 SINE retrotransposons via an RNA polymerase switch. Genome Research, 2011, 21, 422-432.	5.5	76
33	Diagnostic analysis, clinical importance and molecular basis of dihydropyrimidine dehydrogenase deficiency. Trends in Pharmacological Sciences, 1995, 16, 325-327.	8.7	75
34	The Dioxin Receptor Regulates the Constitutive Expression of theVav3Proto-Oncogene and Modulates Cell Shape and Adhesion. Molecular Biology of the Cell, 2009, 20, 1715-1727.	2.1	72
35	The aryl hydrocarbon receptor in the crossroad of signalling networks with therapeutic value. , 2018, 185, 50-63.		72
36	Polycyclic aromatic hydrocarbon-inducible DNA adducts: Evidence by32P-postlabeling and use of knockout mice for Ah receptor-independent mechanisms of metabolic activationin vivo. International Journal of Cancer, 2003, 103, 5-11.	5.1	71

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37	Dioxin Receptor Deficiency Impairs Angiogenesis by a Mechanism Involving VEGF-A Depletion in the Endothelium and Transforming Growth Factor-Î² Overexpression in the Stroma. Journal of Biological Chemistry, 2009, 284, 25135-25148.	3.4	71
38	Regulation of cell survival by resveratrol involves inhibition of NFÎºBâ€regulated gene expression in prostate cancer cells. Prostate, 2009, 69, 1045-1054.	2.3	70
39	Proteasome Inhibition Induces Nuclear Translocation and Transcriptional Activation of the Dioxin Receptor in Mouse Embryo Primary Fibroblasts in the Absence of Xenobiotics. Molecular and Cellular Biology, 2001, 21, 1700-1709.	2.3	68
40	Fitting a xenobiotic receptor into cell homeostasis: How the dioxin receptor interacts with TGFÎ² signaling. Biochemical Pharmacology, 2009, 77, 700-712.	4.4	67
41	CYP1A2 is not the primary enzyme responsible for 4-aminobiphenyl-induced hepatocarcinogenesis in mice. Carcinogenesis, 1999, 20, 1825-1830.	2.8	66
42	Genome-wide B1 retrotransposon binds the transcription factors dioxin receptor and Slug and regulates gene expression in vivo. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 1632-1637.	7.1	64
43	The dioxin receptor has tumor suppressor activity in melanoma growth and metastasis. Carcinogenesis, 2013, 34, 2683-2693.	2.8	63
44	Organization and evolution of the cytochrome P450 CYP2A-2B-2F subfamily gene cluster on human chromosome 19. Journal of Molecular Evolution, 1995, 41, 894-900.	1.8	62
45	Loss of dioxin-receptor expression accelerates wound healing in vivo by a mechanism involving TGFÎ². Journal of Cell Science, 2009, 122, 1823-1833.	2.0	58
46	Differential Regulation of Mouse Ah Receptor Gene Expression in Cell Lines of Different Tissue Origins. Archives of Biochemistry and Biophysics, 1996, 333, 170-178.	3.0	57
47	Transcriptional Factor Aryl Hydrocarbon Receptor (Ahr) Controls Cardiovascular and Respiratory Functions by Regulating the Expression of the Vav3 Proto-oncogene. Journal of Biological Chemistry, 2011, 286, 2896-2909.	3.4	57
48	Non-genomic action of resveratrol on androgen and oestrogen receptors in prostate cancer: modulation of the phosphoinositide 3-kinase pathway. British Journal of Cancer, 2007, 96, 1595-1604.	6.4	55
49	Overexpression of latent transforming growth factor-Î² binding protein 1 (LTBP-1) in dioxin receptor-null mouse embryo fibroblasts. Journal of Cell Science, 2004, 117, 849-859.	2.0	51
50	Aryl hydrocarbon receptorâ€dependent induction of apoptosis by 2,3,7,8â€tetrachlorodibenzoâ€pâ€dioxin in cerebellar granule cells from mouse. Journal of Neurochemistry, 2011, 118, 153-162.	3.9	51
51	Effect of Thioridazine Dosage on the Debrisoquine Hydroxylation Phenotype in Psychiatric Patients With Different CYP2D6 Genotypes. Therapeutic Drug Monitoring, 2001, 23, 616-620.	2.0	48
52	Aryl Hydrocarbon Receptor-Induced Adrenomedullin Mediates Cigarette Smoke Carcinogenicity in Humans and Mice. Cancer Research, 2012, 72, 5790-5800.	0.9	47
53	Dioxin Receptor Expression Inhibits Basal and Transforming Growth Factor Î²-induced Epithelial-to-mesenchymal Transition. Journal of Biological Chemistry, 2013, 288, 7841-7856.	3.4	47
54	Thioridazine steady-state plasma concentrations are influenced by tobacco smoking and CYP2D6, but not by the CYP2C9 genotype. European Journal of Clinical Pharmacology, 2003, 59, 45-50.	1.9	46

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55	Assignment of the Human Dihydropyrimidine Dehydrogenase Gene (DPYD) to Chromosome Region 1p22 by Fluorescence in Situ Hybridization. Genomics, 1994, 24, 613-614.	2.9	45
56	Xenobiotic receptor knockout mice. Toxicology Letters, 1995, 82-83, 117-121.	0.8	45
57	Aluretrotransposons promote differentiation of human carcinoma cells through the aryl hydrocarbon receptor. Nucleic Acids Research, 2016, 44, 4665-4683.	14.5	45
58	Liver portal fibrosis in dioxin receptor-null mice that overexpress the latent transforming growth factor-Î²-binding protein-1. International Journal of Experimental Pathology, 2004, 85, 295-302.	1.3	43
59	Carcinogenesis of the food mutagen PhIP in mice is independent of CYP1A2. Carcinogenesis, 2003, 24, 583-587.	2.8	38
60	LTBP-1 blockade in dioxin receptor-null mouse embryo fibroblasts decreases TGF-Î² activity: Role of extracellular proteases plasmin and elastase. Journal of Cellular Biochemistry, 2006, 97, 380-392.	2.6	37
61	Aryl hydrocarbon receptor contributes to the MEK/ERK-dependent maintenance of the immature state of human dendritic cells. Blood, 2013, 121, e108-e117.	1.4	37
62	Oculomotor Deficits in Aryl Hydrocarbon Receptor Null Mouse. PLoS ONE, 2013, 8, e53520.	2.5	37
63	Recruitment of CREB1 and Histone Deacetylase 2 (HDAC2) to the Mouse Ltbp-1 Promoter Regulates its Constitutive Expression in a Dioxin Receptor-dependent Manner. Journal of Molecular Biology, 2008, 380, 1-16.	4.2	36
64	Lack of the aryl hydrocarbon receptor accelerates aging in mice. FASEB Journal, 2019, 33, 12644-12654.	0.5	36
65	Comparison of substrate metabolism by wild type CYP2D6 protein and a variant containing methionine, not valine, at position 374. Pharmacogenetics and Genomics, 1995, 5, 234-243.	5.7	35
66	Potassium-Induced Apoptosis in Rat Cerebellar Granule Cells Involves Cell-Cycle Blockade at the G1/S Transition. Journal of Molecular Neuroscience, 2001, 15, 155-166.	2.3	35
67	2,3,7,8-Tetrachlorodibenzo-p-dioxin induces apoptosis in neural growth factor (NGF)-differentiated pheochromocytoma PC12 cells. NeuroToxicology, 2010, 31, 267-276.	3.0	35
68	Effect of Phenobarbital on Hepatic CYP1A1 and CYP1A2 in the Ahr-Null Mouse. Biochemical Pharmacology, 1998, 55, 235-238.	4.4	34
69	Lack of correlation between phenotype and genotype for the polymorphically expressed dihydropyrimidine dehydrogenase in a family of Pakistani origin. Pharmacogenetics and Genomics, 1997, 7, 161-163.	5.7	33
70	Hepatic fibrosis and cytochrome P450: experimental models of fibrosis compared to AHR knockout mice. Hepatology Research, 2000, 17, 112-125.	3.4	33
71	CYP2A6 gene polymorphism and risk of liver cancer and cirrhosis. Pharmacogenetics and Genomics, 1997, 7, 247-250.	5.7	31
72	Dioxin receptor regulates aldehyde dehydrogenase to block melanoma tumorigenesis and metastasis. Molecular Cancer, 2015, 14, 148.	19.2	31

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73	Correlation between catalytic activity and protein content for the polymorphically expressed dihydropyrimidine dehydrogenase in human lymphocytes. Biochemical Pharmacology, 1995, 50, 1015-1020.	4.4	27
74	Role of transforming growth factor Î² in cancer microenvironment. Clinical and Translational Oncology, 2009, 11, 715-720.	2.4	27
75	The dioxin receptor controls Î²1 integrin activation in fibroblasts through a Cbpâ€“Cskâ€“Src pathway. Cellular Signalling, 2013, 25, 848-859.	3.6	27
76	Selenocysteine tRNA[Ser]Sec Levels and Selenium-Dependent Glutathione Peroxidase Activity in Mouse Embryonic Stem Cells Heterozygous for a Targeted Mutation in the tRNA[Ser]Sec Gene. Biochemistry, 1997, 36, 8634-8639.	2.5	26
77	Aryl Hydrocarbon Receptor Promotes Liver Polyploidization and Inhibits PI3K, ERK, and Wnt/Î²-Catenin Signaling. IScience, 2018, 4, 44-63.	4.1	26
78	Proteasome Inhibition Induces Nuclear Translocation of the Dioxin Receptor Through an Sp1 and Protein Kinase C-Dependent Pathway. Journal of Molecular Biology, 2003, 333, 249-260.	4.2	25
79	A remarkable new target gene for the dioxin receptor. Cell Adhesion and Migration, 2010, 4, 172-175.	2.7	25
80	Dioxin Receptor Adjusts Liver Regeneration After Acute Toxic Injury and Protects Against Liver Carcinogenesis. Scientific Reports, 2017, 7, 10420.	3.3	25
81	Histone H4 acetylation regulates behavioral inter-individual variability in zebrafish. Genome Biology, 2018, 19, 55.	8.8	25
82	Lung regeneration after toxic injury is improved in absence of dioxin receptor. Stem Cell Research, 2017, 25, 61-71.	0.7	21
83	B1-SINE retrotransposons. Mobile Genetic Elements, 2011, 1, 66-70.	1.8	18
84	Skin response to a carcinogen involves the xenobiotic receptor pregnane X receptor. Experimental Dermatology, 2015, 24, 835-840.	2.9	18
85	piRNA-associated proteins and retrotransposons are differentially expressed in murine testis and ovary of aryl hydrocarbon receptor deficient mice. Open Biology, 2016, 6, 160186.	3.6	16
86	The Dioxin receptor modulates Caveolin-1 mobilization during directional migration: role of cholesterol. Cell Communication and Signaling, 2014, 12, 57.	6.5	15
87	Modulation of the sarcoplasmic reticulum (Ca2+ + Mg2+)-ATPase by pentobarbital. Biochimica Et Biophysica Acta - Biomembranes, 1990, 1022, 33-40.	2.6	13
88	Down-regulation of CYP1A2 induction during the maturation of mouse cerebellar granule cells in culture: role of nitric oxide accumulation. European Journal of Neuroscience, 2003, 18, 2265-2272.	2.6	13
89	Alu retrotransposons modulate Nanog expression through dynamic changes in regional chromatin conformation via aryl hydrocarbon receptor. Epigenetics and Chromatin, 2020, 13, 15.	3.9	12
90	Aryl Hydrocarbon Receptor Controls Skin Homeostasis, Regeneration, and Hair Follicle Cycling by Adjusting Epidermal Stem Cell Function. Stem Cells, 2021, 39, 1733-1750.	3.2	12

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91	Effect of immobilization on the activity of rat hepatic microsomal cytochrome P450 enzymes. Enzyme and Microbial Technology, 1993, 15, 100-104.	3.2	11
92	Vav proteins maintain epithelial traits in breast cancer cells using miR-200c-dependent and independent mechanisms. Oncogene, 2019, 38, 209-227.	5.9	11
93	Neuroprotection Against Excitotoxicity by N-Alkylglycines in Rat Hippocampal Neurons. NeuroMolecular Medicine, 2002, 2, 271-280.	3.4	10
94	Aryl hydrocarbon receptor blocks aging-induced senescence in the liver and fibroblast cells. Aging, 2022, 14, 4281-4304.	3.1	10
95	The aryl hydrocarbon receptor promotes differentiation during mouse preimplantational embryo development. Stem Cell Reports, 2021, 16, 2351-2363.	4.8	9
96	Aryl Hydrocarbon Receptor: From Homeostasis to Tumor Progression. Frontiers in Cell and Developmental Biology, 2022, 10, 884004.	3.7	8
97	Loss of Aryl Hydrocarbon Receptor Favors K-RasG12D-Driven Non-Small Cell Lung Cancer. Cancers, 2021, 13, 4071.	3.7	7
98	Differential scanning calorimetry study of glycogen phosphorylaseb-detergent interactions. Journal of Bioenergetics and Biomembranes, 1992, 24, 625-634.	2.3	6
99	Improving Cancer Therapeutics by Molecular Profiling. Current Drug Metabolism, 2005, 6, 553-568.	1.2	4
100	[44] Targeted disruption of specific cytochromes P450 and xenobiotic receptor genes. Methods in Enzymology, 1996, 272, 412-430.	1.0	2
101	RNA-Seq Analysis to Measure the Expression of SINE Retroelements. Methods in Molecular Biology, 2016, 1400, 107-116.	0.9	1