

Pedro Maria Fernandez-Salguero

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

102
papers

9,081
citations

47
h-index

95
g-index

105
ext. papers

9,769
ext. citations

6.9
avg, IF

5.54
L-index

#	Paper	IF	Citations
102	Aryl Hydrocarbon Receptor: From Homeostasis to Tumor Progression.. <i>Frontiers in Cell and Developmental Biology</i> , 2022 , 10, 884004	5.7	1
101	Aryl hydrocarbon receptor controls skin homeostasis, regeneration, and hair follicle cycling by adjusting epidermal stem cell function. <i>Stem Cells</i> , 2021 , 39, 1733-1750	5.8	3
100	Loss of Aryl Hydrocarbon Receptor Favors -Driven Non-Small Cell Lung Cancer. <i>Cancers</i> , 2021 , 13,	6.6	2
99	The aryl hydrocarbon receptor promotes differentiation during mouse preimplantational embryo development. <i>Stem Cell Reports</i> , 2021 , 16, 2351-2363	8	1
98	Alu retrotransposons modulate Nanog expression through dynamic changes in regional chromatin conformation via aryl hydrocarbon receptor. <i>Epigenetics and Chromatin</i> , 2020 , 13, 15	5.8	6
97	Lack of the aryl hydrocarbon receptor accelerates aging in mice. <i>FASEB Journal</i> , 2019 , 33, 12644-12654	0.9	17
96	Vav proteins maintain epithelial traits in breast cancer cells using miR-200c-dependent and independent mechanisms. <i>Oncogene</i> , 2019 , 38, 209-227	9.2	9
95	The aryl hydrocarbon receptor in the crossroad of signalling networks with therapeutic value. <i>Pharmacology & Therapeutics</i> , 2018 , 185, 50-63	13.9	54
94	Histone H4 acetylation regulates behavioral inter-individual variability in zebrafish. <i>Genome Biology</i> , 2018 , 19, 55	18.3	16
93	Aryl Hydrocarbon Receptor Promotes Liver Polyploidization and Inhibits PI3K, ERK, and Wnt/ β Catenin Signaling. <i>iScience</i> , 2018 , 4, 44-63	6.1	14
92	Dioxin Receptor Adjusts Liver Regeneration After Acute Toxic Injury and Protects Against Liver Carcinogenesis. <i>Scientific Reports</i> , 2017 , 7, 10420	4.9	17
91	Lung regeneration after toxic injury is improved in absence of dioxin receptor. <i>Stem Cell Research</i> , 2017 , 25, 61-71	1.6	14
90	RNA-Seq Analysis to Measure the Expression of SINE Retroelements. <i>Methods in Molecular Biology</i> , 2016 , 1400, 107-16	1.4	1
89	New Trends in Aryl Hydrocarbon Receptor Biology. <i>Frontiers in Cell and Developmental Biology</i> , 2016 , 4, 45	5.7	143
88	CD69 controls the uptake of L-tryptophan through LAT1-CD98 and AhR-dependent secretion of IL-22 in psoriasis. <i>Nature Immunology</i> , 2016 , 17, 985-96	19.1	52
87	piRNA-associated proteins and retrotransposons are differentially expressed in murine testis and ovary of aryl hydrocarbon receptor deficient mice. <i>Open Biology</i> , 2016 , 6,	7	11
86	Alu retrotransposons promote differentiation of human carcinoma cells through the aryl hydrocarbon receptor. <i>Nucleic Acids Research</i> , 2016 , 44, 4665-83	20.1	33

85	Bmi1 regulates murine intestinal stem cell proliferation and self-renewal downstream of Notch. <i>Development (Cambridge)</i> , 2015 , 142, 41-50	6.6	71
84	A mesenchymal-like phenotype and expression of CD44 predict lack of apoptotic response to sorafenib in liver tumor cells. <i>International Journal of Cancer</i> , 2015 , 136, E161-72	7.5	82
83	Dioxin receptor regulates aldehyde dehydrogenase to block melanoma tumorigenesis and metastasis. <i>Molecular Cancer</i> , 2015 , 14, 148	42.1	27
82	Skin response to a carcinogen involves the xenobiotic receptor pregnane X receptor. <i>Experimental Dermatology</i> , 2015 , 24, 835-40	4	16
81	L-kynurenine/aryl hydrocarbon receptor pathway mediates brain damage after experimental stroke. <i>Circulation</i> , 2014 , 130, 2040-51	16.7	61
80	Aryl hydrocarbon receptor-dependent induction of liver fibrosis by dioxin. <i>Toxicological Sciences</i> , 2014 , 137, 114-24	4.4	79
79	The Dioxin receptor modulates Caveolin-1 mobilization during directional migration: role of cholesterol. <i>Cell Communication and Signaling</i> , 2014 , 12, 57	7.5	12
78	The dioxin receptor controls β integrin activation in fibroblasts through a Cbp-Csk-Src pathway. <i>Cellular Signalling</i> , 2013 , 25, 848-59	4.9	19
77	The dioxin receptor has tumor suppressor activity in melanoma growth and metastasis. <i>Carcinogenesis</i> , 2013 , 34, 2683-93	4.6	55
76	Dioxin receptor expression inhibits basal and transforming growth factor β -induced epithelial-to-mesenchymal transition. <i>Journal of Biological Chemistry</i> , 2013 , 288, 7841-7856	5.4	40
75	Aryl hydrocarbon receptor contributes to the MEK/ERK-dependent maintenance of the immature state of human dendritic cells. <i>Blood</i> , 2013 , 121, e108-17	2.2	29
74	Oculomotor deficits in aryl hydrocarbon receptor null mouse. <i>PLoS ONE</i> , 2013 , 8, e53520	3.7	31
73	Aryl hydrocarbon receptor-induced adrenomedullin mediates cigarette smoke carcinogenicity in humans and mice. <i>Cancer Research</i> , 2012 , 72, 5790-800	10.1	38
72	The AHR Regulates Cell Adhesion and Migration by Interacting with Oncogene and Growth Factor-Dependent Signaling 2011 , 485-497		1
71	Aryl hydrocarbon receptor-dependent induction of apoptosis by 2,3,7,8-tetrachlorodibenzo-p-dioxin in cerebellar granule cells from mouse. <i>Journal of Neurochemistry</i> , 2011 , 118, 153-62	6	40
70	B1-SINE retrotransposons: Establishing genomic insulatory networks. <i>Mobile Genetic Elements</i> , 2011 , 1, 66-70		16
69	Transcriptional factor aryl hydrocarbon receptor (Ahr) controls cardiovascular and respiratory functions by regulating the expression of the Vav3 proto-oncogene. <i>Journal of Biological Chemistry</i> , 2011 , 286, 2896-909	5.4	51
68	Dioxin receptor and SLUG transcription factors regulate the insulator activity of B1 SINE retrotransposons via an RNA polymerase switch. <i>Genome Research</i> , 2011 , 21, 422-32	9.7	64

67	A remarkable new target gene for the dioxin receptor: The Vav3 proto-oncogene links AhR to adhesion and migration. <i>Cell Adhesion and Migration</i> , 2010 , 4, 172-5	3.2	21
66	2,3,7,8-Tetrachlorodibenzo-p-dioxin induces apoptosis in neural growth factor (NGF)-differentiated pheochromocytoma PC12 cells. <i>NeuroToxicology</i> , 2010 , 31, 267-76	4.4	31
65	Dioxin receptor deficiency impairs angiogenesis by a mechanism involving VEGF-A depletion in the endothelium and transforming growth factor-beta overexpression in the stroma. <i>Journal of Biological Chemistry</i> , 2009 , 284, 25135-48	5.4	58
64	Loss of dioxin-receptor expression accelerates wound healing in vivo by a mechanism involving TGFbeta. <i>Journal of Cell Science</i> , 2009 , 122, 1823-33	5.3	53
63	The dioxin receptor regulates the constitutive expression of the vav3 proto-oncogene and modulates cell shape and adhesion. <i>Molecular Biology of the Cell</i> , 2009 , 20, 1715-27	3.5	64
62	Fitting a xenobiotic receptor into cell homeostasis: how the dioxin receptor interacts with TGFbeta signaling. <i>Biochemical Pharmacology</i> , 2009 , 77, 700-12	6	61
61	Role of transforming growth factor beta in cancer microenvironment. <i>Clinical and Translational Oncology</i> , 2009 , 11, 715-20	3.6	20
60	Regulation of cell survival by resveratrol involves inhibition of NF kappa B-regulated gene expression in prostate cancer cells. <i>Prostate</i> , 2009 , 69, 1045-54	4.2	58
59	Recruitment of CREB1 and histone deacetylase 2 (HDAC2) to the mouse Ltbp-1 promoter regulates its constitutive expression in a dioxin receptor-dependent manner. <i>Journal of Molecular Biology</i> , 2008 , 380, 1-16	6.5	33
58	Genome-wide B1 retrotransposon binds the transcription factors dioxin receptor and Slug and regulates gene expression in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 1632-7	11.5	49
57	Non-genomic action of resveratrol on androgen and oestrogen receptors in prostate cancer: modulation of the phosphoinositide 3-kinase pathway. <i>British Journal of Cancer</i> , 2007 , 96, 1595-604	8.7	47
56	The aryl hydrocarbon receptor, more than a xenobiotic-interacting protein. <i>FEBS Letters</i> , 2007 , 581, 3608-85	8.5	297
55	Mechanisms involved in resveratrol-induced apoptosis and cell cycle arrest in prostate cancer-derived cell lines. <i>Journal of Andrology</i> , 2007 , 28, 282-93		129
54	LTBP-1 blockade in dioxin receptor-null mouse embryo fibroblasts decreases TGF-beta activity: Role of extracellular proteases plasmin and elastase. <i>Journal of Cellular Biochemistry</i> , 2006 , 97, 380-92	4.7	35
53	The dioxin receptor is silenced by promoter hypermethylation in human acute lymphoblastic leukemia through inhibition of Sp1 binding. <i>Carcinogenesis</i> , 2006 , 27, 1099-104	4.6	82
52	Resveratrol-induced apoptosis in MCF-7 human breast cancer cells involves a caspase-independent mechanism with downregulation of Bcl-2 and NF-kappaB. <i>International Journal of Cancer</i> , 2005 , 115, 74-84	7.5	191
51	Improving cancer therapeutics by molecular profiling. <i>Current Drug Metabolism</i> , 2005 , 6, 553-68	3.5	2
50	Immortalized mouse mammary fibroblasts lacking dioxin receptor have impaired tumorigenicity in a subcutaneous mouse xenograft model. <i>Journal of Biological Chemistry</i> , 2005 , 280, 28731-41	5.4	80

49	Overexpression of latent transforming growth factor-beta binding protein 1 (LTBP-1) in dioxin receptor-null mouse embryo fibroblasts. <i>Journal of Cell Science</i> , 2004 , 117, 849-59	5.3	47
48	Liver portal fibrosis in dioxin receptor-null mice that overexpress the latent transforming growth factor-beta-binding protein-1. <i>International Journal of Experimental Pathology</i> , 2004 , 85, 295-302	2.8	39
47	Resveratrol modulates the phosphoinositide 3-kinase pathway through an estrogen receptor alpha-dependent mechanism: relevance in cell proliferation. <i>International Journal of Cancer</i> , 2004 , 109, 167-73	7.5	113
46	Thioridazine steady-state plasma concentrations are influenced by tobacco smoking and CYP2D6, but not by the CYP2C9 genotype. <i>European Journal of Clinical Pharmacology</i> , 2003 , 59, 45-50	2.8	42
45	Polycyclic aromatic hydrocarbon-inducible DNA adducts: evidence by 32P-postlabeling and use of knockout mice for Ah receptor-independent mechanisms of metabolic activation in vivo. <i>International Journal of Cancer</i> , 2003 , 103, 5-11	7.5	66
44	Down-regulation of CYP1A2 induction during the maturation of mouse cerebellar granule cells in culture: role of nitric oxide accumulation. <i>European Journal of Neuroscience</i> , 2003 , 18, 2265-72	3.5	13
43	Proteasome inhibition induces nuclear translocation of the dioxin receptor through an Sp1 and protein kinase C-dependent pathway. <i>Journal of Molecular Biology</i> , 2003 , 333, 249-60	6.5	23
42	Carcinogenesis of the food mutagen PhIP in mice is independent of CYP1A2. <i>Carcinogenesis</i> , 2003 , 24, 583-7	4.6	35
41	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. <i>Biochemical Pharmacology</i> , 2002 , 64, 1375-86	6	188
40	Neuroprotection against excitotoxicity by N-alkylglycines in rat hippocampal neurons. <i>NeuroMolecular Medicine</i> , 2002 , 2, 271-80	4.6	9
39	Targeted genomic disruption of H-ras and N-ras, individually or in combination, reveals the dispensability of both loci for mouse growth and development. <i>Molecular and Cellular Biology</i> , 2001 , 21, 1444-52	4.8	243
38	Proteasome inhibition induces nuclear translocation and transcriptional activation of the dioxin receptor in mouse embryo primary fibroblasts in the absence of xenobiotics. <i>Molecular and Cellular Biology</i> , 2001 , 21, 1700-9	4.8	62
37	Effect of thioridazine dosage on the debrisoquine hydroxylation phenotype in psychiatric patients with different CYP2D6 genotypes. <i>Therapeutic Drug Monitoring</i> , 2001 , 23, 616-20	3.2	42
36	Potassium-induced apoptosis in rat cerebellar granule cells involves cell-cycle blockade at the G1/S transition. <i>Journal of Molecular Neuroscience</i> , 2000 , 15, 155-65	3.3	33
35	Hepatic fibrosis and cytochrome P450: experimental models of fibrosis compared to AHR knockout mice. <i>Hepatology Research</i> , 2000 , 17, 112-125	5.1	28
34	Amelioration of TCDD-induced teratogenesis in aryl hydrocarbon receptor (AhR)-null mice. <i>Toxicological Sciences</i> , 1999 , 47, 86-92	4.4	196
33	CYP1A2 is not the primary enzyme responsible for 4-aminobiphenyl-induced hepatocarcinogenesis in mice. <i>Carcinogenesis</i> , 1999 , 20, 1825-30	4.6	63
32	Targeted disruption of the microsomal epoxide hydrolase gene. Microsomal epoxide hydrolase is required for the carcinogenic activity of 7,12-dimethylbenz[a]anthracene. <i>Journal of Biological Chemistry</i> , 1999 , 274, 23963-8	5.4	150

31	Genomic instability in Gadd45a-deficient mice. <i>Nature Genetics</i> , 1999 , 23, 176-84	36.3	418
30	Expression of CYP2A genes in human liver and extrahepatic tissues. <i>Biochemical Pharmacology</i> , 1999 , 57, 1407-13	6	131
29	Dihydropyrimidine dehydrogenase pharmacogenetics in patients with colorectal cancer. <i>British Journal of Cancer</i> , 1998 , 77, 497-500	8.7	72
28	Dihydropyrimidine dehydrogenase pharmacogenetics in Caucasian subjects. <i>British Journal of Clinical Pharmacology</i> , 1998 , 46, 151-6	3.8	104
27	Characterization of the human dihydropyrimidine dehydrogenase gene. <i>Genomics</i> , 1998 , 51, 391-400	4.3	142
26	Effect of phenobarbital on hepatic CYP1A1 and CYP1A2 in the Ahr-null mouse. <i>Biochemical Pharmacology</i> , 1998 , 55, 235-8	6	33
25	The involvement of aryl hydrocarbon receptor in the activation of transforming growth factor-beta and apoptosis. <i>Molecular Pharmacology</i> , 1998 , 54, 313-21	4.3	132
24	Nomenclature for human DPYD alleles. <i>Pharmacogenetics and Genomics</i> , 1998 , 8, 455-9		85
23	Lesions of aryl-hydrocarbon receptor-deficient mice. <i>Veterinary Pathology</i> , 1997 , 34, 605-14	2.8	292
22	Lack of correlation between phenotype and genotype for the polymorphically expressed dihydropyrimidine dehydrogenase in a family of Pakistani origin. <i>Pharmacogenetics and Genomics</i> , 1997 , 7, 161-3		31
21	CYP2A6 gene polymorphism and risk of liver cancer and cirrhosis. <i>Pharmacogenetics and Genomics</i> , 1997 , 7, 247-50		29
20	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. <i>Biochemistry</i> , 1997 , 36, 8634-9	3.2	24
19	Role of CYP2E1 in the hepatotoxicity of acetaminophen. <i>Journal of Biological Chemistry</i> , 1996 , 271, 12063-7	3.7	464
18	Differential regulation of mouse Ah receptor gene expression in cell lines of different tissue origins. <i>Archives of Biochemistry and Biophysics</i> , 1996 , 333, 170-8	4.1	54
17	The T/ebp null mouse: thyroid-specific enhancer-binding protein is essential for the organogenesis of the thyroid, lung, ventral forebrain, and pituitary. <i>Genes and Development</i> , 1996 , 10, 60-9	12.6	924
16	Targeted disruption of specific cytochromes P450 and xenobiotic receptor genes. <i>Methods in Enzymology</i> , 1996 , 272, 412-30	1.7	2
15	Aryl-hydrocarbon receptor-deficient mice are resistant to 2,3,7,8-tetrachlorodibenzo-p-dioxin-induced toxicity. <i>Toxicology and Applied Pharmacology</i> , 1996 , 140, 173-9	4.6	693
14	Molecular basis of the human dihydropyrimidine dehydrogenase deficiency and 5-fluorouracil toxicity. <i>Journal of Clinical Investigation</i> , 1996 , 98, 610-5	15.9	255

13	Organization and evolution of the cytochrome P450 CYP2A-2B-2F subfamily gene cluster on human chromosome 19. <i>Journal of Molecular Evolution</i> , 1995 , 41, 894-900	3.1	50
12	Immune system impairment and hepatic fibrosis in mice lacking the dioxin-binding Ah receptor. <i>Science</i> , 1995 , 268, 722-6	33.3	928
11	Correlation between catalytic activity and protein content for the polymorphically expressed dihydropyrimidine dehydrogenase in human lymphocytes. <i>Biochemical Pharmacology</i> , 1995 , 50, 1015-20 ⁶		23
10	Xenobiotic receptor knockout mice. <i>Toxicology Letters</i> , 1995 , 82-83, 117-21	4.4	41
9	Diagnostic analysis, clinical importance and molecular basis of dihydropyrimidine dehydrogenase deficiency. <i>Trends in Pharmacological Sciences</i> , 1995 , 16, 325-7	13.2	70
8	The CYP2A gene subfamily: species differences, regulation, catalytic activities and role in chemical carcinogenesis. <i>Pharmacogenetics and Genomics</i> , 1995 , 5 Spec No, S123-8		61
7	Neonatal lethality associated with respiratory distress in mice lacking cytochrome P450 1A2. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1995 , 92, 5134-8	11.5	91
6	Comparison of substrate metabolism by wild type CYP2D6 protein and a variant containing methionine, not valine, at position 374. <i>Pharmacogenetics and Genomics</i> , 1995 , 5, 234-43		32
5	Assignment of the human dihydropyrimidine dehydrogenase gene (DPYD) to chromosome region 1p22 by fluorescence in situ hybridization. <i>Genomics</i> , 1994 , 24, 613-4	4.3	42
4	Effect of immobilization on the activity of rat hepatic microsomal cytochrome P450 enzymes. <i>Enzyme and Microbial Technology</i> , 1993 , 15, 100-4	3.8	9
3	Differential scanning calorimetry study of glycogen phosphorylase b-detergent interactions. <i>Journal of Bioenergetics and Biomembranes</i> , 1992 , 24, 625-34	3.7	6
2	Modulation of the sarcoplasmic reticulum (Ca ²⁺ + Mg ²⁺)-ATPase by pentobarbital. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1990 , 1022, 33-40	3.8	12
1	Histone H4 acetylation regulates behavioral inter-individual variability in zebrafish		1