

Xavier Coumoul

List of Publications by Year in Descending Order

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Version: 2024-04-09

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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.

95 papers	3,084 citations	31 h-index	53 g-index
115 ext. papers	3,684 ext. citations	6.9 avg, IF	5.35 L-index

#	Paper	IF	Citations
95	TCDD aggravates the formation of the atherosclerotic plaque in ApoE KO mice with a sexual dimorphic pattern.. <i>Biochimie</i> , 2022 , 195, 54-54	4.6	0
94	Aryl Hydrocarbon Receptor-Dependent and -Independent Pathways Mediate Curcumin Anti-Aging Effects.. <i>Antioxidants</i> , 2022 , 11,	7.1	1
93	Obesity II: Establishing Causal Links Between Chemical Exposures and Obesity.. <i>Biochemical Pharmacology</i> , 2022 , 115015	6	6
92	Identification of Modulators of the C. elegans Aryl Hydrocarbon Receptor and Characterization of Transcriptomic and Metabolic AhR-1 Profiles. <i>Antioxidants</i> , 2022 , 11, 1030	7.1	0
91	Adverse outcome pathway from activation of the AhR to breast cancer-related death. <i>Environment International</i> , 2022 , 165, 107323	12.9	2
90	Mitochondrial Dysfunction as a Hallmark of Environmental Injury.. <i>Cells</i> , 2021 , 11,	7.9	6
89	Exposure to food additive mixtures in 106,000 French adults from the NutriNet-Santé cohort. <i>Scientific Reports</i> , 2021 , 11, 19680	4.9	8
88	Aggressiveness and Metastatic Potential of Breast Cancer Cells Co-Cultured with Preadipocytes and Exposed to an Environmental Pollutant Dioxin: An and Zebrafish Study. <i>Environmental Health Perspectives</i> , 2021 , 129, 37002	8.4	3
87	ARYL HYDROCARBON RECEPTOR ANTAGONISTS - A NEW ENTRY IN ANTIHYPERTENSIVE ARMAMENTARIUM OF OBSTRUCTIVE SLEEP APNEA?. <i>Journal of Hypertension</i> , 2021 , 39, e255-e256	1.9	
86	Associations between Exposure to Organochlorine Chemicals and Endometriosis: A Systematic Review of Experimental Studies and Integration of Epidemiological Evidence. <i>Environmental Health Perspectives</i> , 2021 , 129, 76003	8.4	2
85	Human Placental NADPH Oxidase Mediates sFlt-1 and PlGF Secretion in Early Pregnancy: Exploration of the TGF- β /p38 MAPK Pathways. <i>Antioxidants</i> , 2021 , 10,	7.1	2
84	Aryl Hydrocarbon Receptor and Cysteine Redox Dynamics Underlie (Mal)adaptive Mechanisms to Chronic Intermittent Hypoxia in Kidney Cortex. <i>Antioxidants</i> , 2021 , 10,	7.1	1
83	Identification of non-validated endocrine disrupting chemical characterization methods by screening of the literature using artificial intelligence and by database exploration. <i>Environment International</i> , 2021 , 154, 106574	12.9	6
82	Aryl Hydrocarbon Receptor and Its Diverse Ligands and Functions: An Exposome Receptor. <i>Annual Review of Pharmacology and Toxicology</i> , 2021 ,	17.9	5
81	Lack of Skeletal Muscle Serotonin Impairs Physical Performance. <i>International Journal of Tryptophan Research</i> , 2021 , 14, 11786469211003109	5.6	1
80	The exposome and toxicology: a win-win collaboration. <i>Toxicological Sciences</i> , 2021 ,	4.4	2
79	AOP4EUpest: mapping of pesticides in adverse outcome pathways using a text mining tool. <i>Bioinformatics</i> , 2020 , 36, 4379-4381	7.2	11

78	Age-dependent vulnerability of the ovary to AhR-mediated TCDD action before puberty: Evidence from mouse models. <i>Chemosphere</i> , 2020 , 258, 127361	8.4	3
77	Uptake of Cerium Dioxide Nanoparticles and Impact on Viability, Differentiation and Functions of Primary Trophoblast Cells from Human Placenta. <i>Nanomaterials</i> , 2020 , 10,	5.4	6
76	Integrative Strategy of Testing Systems for Identification of Endocrine Disruptors Inducing Metabolic Disorders-An Introduction to the OBERON Project. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	13
75	First evidence of aryl hydrocarbon receptor as a druggable target in hypertension induced by chronic intermittent hypoxia. <i>Pharmacological Research</i> , 2020 , 159, 104869	10.2	4
74	Endocrine disrupting chemicals and COVID-19 relationships: a computational systems biology approach 2020 ,		5
73	Deciphering Adverse Outcome Pathway Network Linked to Bisphenol F Using Text Mining and Systems Toxicology Approaches. <i>Toxicological Sciences</i> , 2020 , 173, 32-40	4.4	24
72	Environmental chemicals, breast cancer progression and drug resistance. <i>Environmental Health</i> , 2020 , 19, 117	6	28
71	Design, Synthesis, and Biological Evaluation of Covalent Inhibitors of Focal Adhesion Kinase (FAK) against Human Malignant Glioblastoma. <i>Journal of Medicinal Chemistry</i> , 2020 , 63, 12707-12724	8.3	12
70	Applying a Virtual Reality Platform in Environmental Chemistry Education To Conduct a Field Trip to an Overseas Site. <i>Journal of Chemical Education</i> , 2019 , 96, 382-386	2.4	28
69	Associations between exposure to organochlorine chemicals and endometriosis in experimental studies: A systematic review protocol. <i>Environment International</i> , 2019 , 124, 400-407	12.9	12
68	A forum where french-speaking faculty can exchange research on teaching. <i>Biochemistry and Molecular Biology Education</i> , 2019 , 47, 599-606	1.3	0
67	Linking Bisphenol S to Adverse Outcome Pathways Using a Combined Text Mining and Systems Biology Approach. <i>Environmental Health Perspectives</i> , 2019 , 127, 47005	8.4	38
66	A dual mixture of persistent organic pollutants modifies carbohydrate metabolism in the human hepatic cell line HepaRG. <i>Environmental Research</i> , 2019 , 178, 108628	7.9	8
65	Associations between persistent organic pollutants and risk of breast cancer metastasis. <i>Environment International</i> , 2019 , 132, 105028	12.9	35
64	Les xñbiotiques, quel impact sur les maladies mñaboliques ?. <i>Cahiers De Nutrition Et De Dietetique</i> , 2019 , 54, 286-293	0.2	1
63	The GMO90+ Project: Absence of Evidence for Biologically Meaningful Effects of Genetically Modified Maize-based Diets on Wistar Rats After 6-Months Feeding Comparative Trial. <i>Toxicological Sciences</i> , 2019 , 168, 315-338	4.4	7
62	Characterization of GMO or glyphosate effects on the composition of maize grain and maize-based diet for rat feeding. <i>Metabolomics</i> , 2018 , 14, 36	4.7	8
61	Involvement of Aryl hydrocarbon receptor in myelination and in human nerve sheath tumorigenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E1319-E1328	11.5	16

60	Aryl hydrocarbon receptor and liver fibrosis. <i>Current Opinion in Toxicology</i> , 2018 , 8, 8-13	4.4	6
59	Integration of the human exposome with the human genome to advance medicine. <i>Biochimie</i> , 2018 , 152, 155-158	4.6	25
58	Structure-Based Design, Synthesis, and Characterization of the First Irreversible Inhibitor of Focal Adhesion Kinase. <i>ACS Chemical Biology</i> , 2018 , 13, 2067-2073	4.9	17
57	Impact des pesticides sur la santé humaine. <i>Pratiques En Nutrition</i> , 2018 , 14, 18-24	0	1
56	Expression, Localization, and Activity of the Aryl Hydrocarbon Receptor in the Human Placenta. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	16
55	Rat feeding trials: A comprehensive assessment of contaminants in both genetically modified maize and resulting pellets. <i>Food and Chemical Toxicology</i> , 2018 , 121, 573-582	4.7	3
54	Release and toxicity of adipose tissue-stored TCDD: Direct evidence from a xenografted fat model. <i>Environment International</i> , 2018 , 121, 1113-1120	12.9	11
53	The Aryl Hydrocarbon Receptor and the Nervous System. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	49
52	AhR signaling pathways and regulatory functions. <i>Biochimie Open</i> , 2018 , 7, 1-9	0	208
51	Aryl hydrocarbon receptor upregulates IL-1 β expression in hCMEC/D3 human cerebral microvascular endothelial cells after TCDD exposure. <i>Toxicology in Vitro</i> , 2017 , 41, 200-204	3.6	4
50	Chronic Exposure to Low Doses of Dioxin Promotes Liver Fibrosis Development in the C57BL/6J Diet-Induced Obesity Mouse Model. <i>Environmental Health Perspectives</i> , 2017 , 125, 428-436	8.4	71
49	AhR-deficiency as a cause of demyelinating disease and inflammation. <i>Scientific Reports</i> , 2017 , 7, 9794	4.9	38
48	Resveratrol reverses the Warburg effect by targeting the pyruvate dehydrogenase complex in colon cancer cells. <i>Scientific Reports</i> , 2017 , 7, 6945	4.9	58
47	Low-dose exposure to bisphenols A, F and S of human primary adipocyte impacts coding and non-coding RNA profiles. <i>PLoS ONE</i> , 2017 , 12, e0179583	3.7	50
46	Regulation of Aquaporin 3 Expression by the AhR Pathway Is Critical to Cell Migration. <i>Toxicological Sciences</i> , 2016 , 149, 158-66	4.4	10
45	Contaminants alimentaires et le risque de cancer. <i>Cahiers De Nutrition Et De Dietetique</i> , 2016 , 51, 104-110.	2	1
44	Dimethyl-Benz(a)anthracene: A mammary carcinogen and a neuroendocrine disruptor. <i>Biochimie Open</i> , 2016 , 3, 49-55	0	21
43	Exposure to metal oxide nanoparticles administered at occupationally relevant doses induces pulmonary effects in mice. <i>Nanotoxicology</i> , 2016 , 10, 1535-1544	5.3	14

42	Activation of the aryl hydrocarbon receptor by carcinogenic aromatic amines and modulatory effects of their N-acetylated metabolites. <i>Archives of Toxicology</i> , 2015 , 89, 2403-12	5.8	10
41	Associations of plasma concentrations of dichlorodiphenyldichloroethylene and polychlorinated biphenyls with prostate cancer: a case-control study in Guadeloupe (French West Indies). <i>Environmental Health Perspectives</i> , 2015 , 123, 317-23	8.4	29
40	Design, synthesis, and evaluation of novel imidazo[1,2-a][1,3,5]triazines and their derivatives as focal adhesion kinase inhibitors with antitumor activity. <i>Journal of Medicinal Chemistry</i> , 2015 , 58, 237-51	8.3	39
39	Toxicologie et alimentation : nouveaux concepts. <i>Cahiers De Nutrition Et De Dietetique</i> , 2015 , 50, 6S36-6S41	5.4	41
38	Determination of Heavy Metal Concentrations in Normal and Pathological Human Endometrial Biopsies and In Vitro Regulation of Gene Expression by Metals in the Ishikawa and Hec-1b Endometrial Cell Line. <i>PLoS ONE</i> , 2015 , 10, e0142590	3.7	6
37	Citrulline reduces glyceroneogenesis and induces fatty acid release in visceral adipose tissue from overweight rats. <i>Molecular Nutrition and Food Research</i> , 2014 , 58, 2320-30	5.9	13
36	Alimentation, pesticides et pathologies neurologiques. <i>Cahiers De Nutrition Et De Dietetique</i> , 2014 , 49, 74-80	0.2	1
35	Aryl hydrocarbon receptor-dependent induction of liver fibrosis by dioxin. <i>Toxicological Sciences</i> , 2014 , 137, 114-24	4.4	79
34	The aryl hydrocarbon receptor regulates focal adhesion sites through a non-genomic FAK/Src pathway. <i>Oncogene</i> , 2013 , 32, 1811-20	9.2	62
33	The AhR twist: ligand-dependent AhR signaling and pharmaco-toxicological implications. <i>Drug Discovery Today</i> , 2013 , 18, 479-86	8.8	86
32	Oculomotor deficits in aryl hydrocarbon receptor null mouse. <i>PLoS ONE</i> , 2013 , 8, e53520	3.7	31
31	Identification of a new stilbene-derived inducer of paraoxonase 1 and ligand of the Aryl hydrocarbon Receptor. <i>Biochemical Pharmacology</i> , 2012 , 83, 627-32	6	14
30	The aryl hydrocarbon receptor system. <i>Drug Metabolism and Drug Interactions</i> , 2012 , 27, 3-8		83
29	Induction of the Ras activator Son of Sevenless 1 by environmental pollutants mediates their effects on cellular proliferation. <i>Biochemical Pharmacology</i> , 2011 , 81, 304-13	6	26
28	Understanding SOS (Son of Sevenless). <i>Biochemical Pharmacology</i> , 2011 , 82, 1049-56	6	50
27	Aryl hydrocarbon receptor-dependent upregulation of Cyp1b1 by TCDD and diesel exhaust particles in rat brain microvessels. <i>Fluids and Barriers of the CNS</i> , 2011 , 8, 23	7	35
26	NOD mice contain an elevated frequency of iNKT17 cells that exacerbate diabetes. <i>European Journal of Immunology</i> , 2011 , 41, 3574-85	6.1	32
25	Butyrate elicits a metabolic switch in human colon cancer cells by targeting the pyruvate dehydrogenase complex. <i>International Journal of Cancer</i> , 2011 , 128, 2591-601	7.5	82

24	Le récepteur de la dioxine : rôle endogène et médiateur de la toxicité de la dioxine. <i>Cahiers De Nutrition Et De Dietétique</i> , 2011 , 46, 67-74	0.2	1
23	BRCA1 affects global DNA methylation through regulation of DNMT1. <i>Cell Research</i> , 2010 , 20, 1201-15	24.7	79
22	Persistent induction of cytochrome P4501A1 in human hepatoma cells by 3-methylcholanthrene: evidence for sustained transcriptional activation of the CYP1A1 promoter. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2010 , 333, 99-109	4.7	17
21	2,3,7,8-tetrachlorodibenzo-p-dioxin counteracts the p53 response to a genotoxin by upregulating expression of the metastasis marker agr2 in the hepatocarcinoma cell line HepG2. <i>Toxicological Sciences</i> , 2010 , 115, 501-12	4.4	25
20	Cell migration and metastasis markers as targets of environmental pollutants and the Aryl hydrocarbon receptor. <i>Cell Adhesion and Migration</i> , 2010 , 4, 72-6	3.2	13
19	Effect of quercetin on paraoxonase 1 activity--studies in cultured cells, mice and humans. <i>Journal of Physiology and Pharmacology</i> , 2010 , 61, 99-105	2.1	43
18	Nedd9/Hef1/Cas-L mediates the effects of environmental pollutants on cell migration and plasticity. <i>Oncogene</i> , 2009 , 28, 3642-51	9.2	65
17	IGF signaling pathway as a selective target of familial breast cancer therapy. <i>Current Molecular Medicine</i> , 2008 , 8, 727-40	2.5	6
16	RNA interference and inhibition of MEK-ERK signaling prevent abnormal skeletal phenotypes in a mouse model of craniosynostosis. <i>Nature Genetics</i> , 2007 , 39, 1145-50	36.3	152
15	Absence of full-length Brca1 sensitizes mice to oxidative stress and carcinogen-induced tumorigenesis in the esophagus and forestomach. <i>Carcinogenesis</i> , 2007 , 28, 1401-7	4.6	43
14	The aryl hydrocarbon receptor, more than a xenobiotic-interacting protein. <i>FEBS Letters</i> , 2007 , 581, 3608-15	3.85	297
13	RNAi-based conditional gene knockdown in mice using a U6 promoter driven vector. <i>International Journal of Biological Sciences</i> , 2007 , 3, 91-9	11.2	16
12	Absence of the full-length breast cancer-associated gene-1 leads to increased expression of insulin-like growth factor signaling axis members. <i>Cancer Research</i> , 2006 , 66, 7151-7	10.1	43
11	RNAi in mice: a promising approach to decipher gene functions in vivo. <i>Biochimie</i> , 2006 , 88, 637-43	4.6	26
10	ATM-Chk2-p53 activation prevents tumorigenesis at an expense of organ homeostasis upon Brca1 deficiency. <i>EMBO Journal</i> , 2006 , 25, 2167-77	13	87
9	Activation of the dioxin/aryl hydrocarbon receptor (AhR) modulates cell plasticity through a JNK-dependent mechanism. <i>Oncogene</i> , 2006 , 25, 5570-4	9.2	118
8	Conditional knockdown of Fgfr2 in mice using Cre-LoxP induced RNA interference. <i>Nucleic Acids Research</i> , 2005 , 33, e102	20.1	74
7	Inducible suppression of Fgfr2 and Survivin in ES cells using a combination of the RNA interference (RNAi) and the Cre-LoxP system. <i>Nucleic Acids Research</i> , 2004 , 32, e85	20.1	50

6	Roles of FGF receptors in mammalian development and congenital diseases. <i>Birth Defects Research Part C: Embryo Today Reviews</i> , 2003 , 69, 286-304		89
5	Génotoxicité des métabolites des Estrogènes et cancers. <i>Medecine/Sciences</i> , 2002 , 18, 86-90		1
4	PXR-dependent induction of human CYP3A4 gene expression by organochlorine pesticides. <i>Biochemical Pharmacology</i> , 2002 , 64, 1513-9	6	96
3	Differential regulation of cytochrome P450 1A1 and 1B1 by a combination of dioxin and pesticides in the breast tumor cell line MCF-7. <i>Cancer Research</i> , 2001 , 61, 3942-8	10.1	61
2	Nuclear factor I/CCAAT box transcription factor trans-activating domain is a negative sensor of cellular stress. <i>Molecular Pharmacology</i> , 2000 , 58, 1239-46	4.3	11
1	Properties of overlapping EREs: synergistic activation of transcription and cooperative binding of ER. <i>Biochemistry</i> , 1998 , 37, 6023-32	3.2	26