

# Xavier Coumoul

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8583547/publications.pdf>

Version: 2024-02-01

100  
papers

4,377  
citations

94433

37  
h-index

118850

62  
g-index

115  
all docs

115  
docs citations

115  
times ranked

6263  
citing authors

#	ARTICLE	IF	CITATIONS
1	Aryl Hydrocarbon Receptor and Its Diverse Ligands and Functions: An Exposome Receptor. Annual Review of Pharmacology and Toxicology, 2022, 62, 383-404.	9.4	37
2	TCDD aggravates the formation of the atherosclerotic plaque in ApoE KO mice with a sexual dimorphic pattern. Biochimie, 2022, 195, 54-58.	2.6	1
3	Mitochondrial Dysfunction as a Hallmark of Environmental Injury. Cells, 2022, 11, 110.	4.1	28
4	Cytochromes P450 of Caenorhabditis elegans: Implication in Biological Functions and Metabolism of Xenobiotics. Biomolecules, 2022, 12, 342.	4.0	19
5	Aryl Hydrocarbon Receptor-Dependent and -Independent Pathways Mediate Curcumin Anti-Aging Effects. Antioxidants, 2022, 11, 613.	5.1	2
6	Obesity II: Establishing causal links between chemical exposures and obesity. Biochemical Pharmacology, 2022, 199, 115015.	4.4	62
7	The Exposome and Toxicology: A Win-win Collaboration. Toxicological Sciences, 2022, 186, 1-11.	3.1	20
8	Hexokinase 2 is a transcriptional target and a positive modulator of AHR signalling. Nucleic Acids Research, 2022, 50, 5545-5564.	14.5	10
9	Identification of Modulators of the C.Âelegans Aryl Hydrocarbon Receptor and Characterization of Transcriptomic and Metabolic AhR-1 Profiles. Antioxidants, 2022, 11, 1030.	5.1	5
10	Adverse outcome pathway from activation of the AhR to breast cancer-related death. Environment International, 2022, 165, 107323.	10.0	24
11	Toxicological effects of 2,3,7,8 tetrachlorodibenzo-p-dioxin on the skeletal muscle of mice during the perinatal period: a metabolomics study. Environmental Sciences Europe, 2022, 34, .	5.5	3
12	Human Placental NADPH Oxidase Mediates sFlt-1 and PlGF Secretion in Early Pregnancy: Exploration of the TGF-Î²1/p38 MAPK Pathways. Antioxidants, 2021, 10, 281.	5.1	7
13	Aggressiveness and Metastatic Potential of Breast Cancer Cells Co-Cultured with Preadipocytes and Exposed to an Environmental Pollutant Dioxin: An <i>in Vitro</i> and <i>in Vivo</i> Zebrafish Study. Environmental Health Perspectives, 2021, 129, 37002.	6.0	16
14	ARYL HYDROCARBON RECEPTOR ANTAGONISTS - A NEW ENTRY IN ANTIHYPERTENSIVE ARMAMENTARIUM OF OBSTRUCTIVE SLEEP APNEA?. Journal of Hypertension, 2021, 39, e255-e256.	0.5	0
15	Associations between Exposure to Organochlorine Chemicals and Endometriosis: A Systematic Review of Experimental Studies and Integration of Epidemiological Evidence. Environmental Health Perspectives, 2021, 129, 76003.	6.0	11
16	Aryl Hydrocarbon Receptor and Cysteine Redox Dynamics Underlie (Mal)adaptive Mechanisms to Chronic Intermittent Hypoxia in Kidney Cortex. Antioxidants, 2021, 10, 1484.	5.1	9
17	Identification of non-validated endocrine disrupting chemical characterization methods by screening of the literature using artificial intelligence and by database exploration. Environment International, 2021, 154, 106574.	10.0	16
18	Lack of Skeletal Muscle Serotonin Impairs Physical Performance. International Journal of Tryptophan Research, 2021, 14, 117864692110031.	2.3	2

#	ARTICLE	IF	CITATIONS
19	Exposure to food additive mixtures in 106,000 French adults from the NutriNet-Sant� cohort. <i>Scientific Reports</i> , 2021, 11, 19680.	3.3	37
20	Deciphering Adverse Outcome Pathway Network Linked to Bisphenol F Using Text Mining and Systems Toxicology Approaches. <i>Toxicological Sciences</i> , 2020, 173, 32-40.	3.1	48
21	Environmental chemicals, breast cancer progression and drug resistance. <i>Environmental Health</i> , 2020, 19, 117.	4.0	91
22	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.	6.4	24
23	AOP4Upest: mapping of pesticides in adverse outcome pathways using a text mining tool. <i>Bioinformatics</i> , 2020, 36, 4379-4381.	4.1	20
24	Age-dependent vulnerability of the ovary to AhR-mediated TCDD action before puberty: Evidence from mouse models. <i>Chemosphere</i> , 2020, 258, 127361.	8.2	5
25	Uptake of Cerium Dioxide Nanoparticles and Impact on Viability, Differentiation and Functions of Primary Trophoblast Cells from Human Placenta. <i>Nanomaterials</i> , 2020, 10, 1309.	4.1	12
26	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, 2988.	4.1	38
27	First evidence of aryl hydrocarbon receptor as a druggable target in hypertension induced by chronic intermittent hypoxia. <i>Pharmacological Research</i> , 2020, 159, 104869.	7.1	14
28	A dual mixture of persistent organic pollutants modifies carbohydrate metabolism in the human hepatic cell line HepaRG. <i>Environmental Research</i> , 2019, 178, 108628.	7.5	12
29	Associations between persistent organic pollutants and risk of breast cancer metastasis. <i>Environment International</i> , 2019, 132, 105028.	10.0	58
30	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.	2.3	53
31	Associations between exposure to organochlorine chemicals and endometriosis in experimental studies: A systematic review protocol. <i>Environment International</i> , 2019, 124, 400-407.	10.0	17
32	A forum where french��speaking faculty can exchange research on teaching. <i>Biochemistry and Molecular Biology Education</i> , 2019, 47, 599-606.	1.2	1
33	Microplastic freshwater contamination: an issue advanced by science with public engagement. <i>Environmental Science and Pollution Research</i> , 2019, 26, 16904-16905.	5.3	7
34	Linking Bisphenol S to Adverse Outcome Pathways Using a Combined Text Mining and Systems Biology Approach. <i>Environmental Health Perspectives</i> , 2019, 127, 47005.	6.0	69
35	Les x�nbiotiques, quel impact sur les maladies m�taboliques�?. <i>Cahiers De Nutrition Et De Dietetique</i> , 2019, 54, 286-293.	0.3	3
36	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.	3.1	12

#	ARTICLE	IF	CITATIONS
37	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.	3.0	9
38	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.	7.1	27
39	Aryl hydrocarbon receptor and liver fibrosis. <i>Current Opinion in Toxicology</i> , 2018, 8, 8-13.	5.0	7
40	Expression, Localization, and Activity of the Aryl Hydrocarbon Receptor in the Human Placenta. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3762.	4.1	24
41	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.	3.6	4
42	Release and toxicity of adipose tissue-stored TCDD: Direct evidence from a xenografted fat model. <i>Environment International</i> , 2018, 121, 1113-1120.	10.0	18
43	The Aryl Hydrocarbon Receptor and the Nervous System. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2504.	4.1	97
44	AhR signaling pathways and regulatory functions. <i>Biochimie Open</i> , 2018, 7, 1-9.	3.2	367
45	Integration of the human exposome with the human genome to advance medicine. <i>Biochimie</i> , 2018, 152, 155-158.	2.6	36
46	Structure-Based Design, Synthesis, and Characterization of the First Irreversible Inhibitor of Focal Adhesion Kinase. <i>ACS Chemical Biology</i> , 2018, 13, 2067-2073.	3.4	24
47	Aryl hydrocarbon receptor upregulates IL-1 $\beta$ expression in hCMEC/D3 human cerebral microvascular endothelial cells after TCDD exposure. <i>Toxicology in Vitro</i> , 2017, 41, 200-204.	2.4	5
48	AhR-deficiency as a cause of demyelinating disease and inflammation. <i>Scientific Reports</i> , 2017, 7, 9794.	3.3	49
49	Resveratrol reverses the Warburg effect by targeting the pyruvate dehydrogenase complex in colon cancer cells. <i>Scientific Reports</i> , 2017, 7, 6945.	3.3	85
50	Large scale studies of the influence of GMO-based corn diet after 6 months of consumption in Wistar rats. <i>Toxicology Letters</i> , 2017, 280, S106.	0.8	0
51	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.	6.0	98
52	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.	2.5	64
53	Dimethyl-Benz(a)anthracene: A mammary carcinogen and a neuroendocrine disruptor. <i>Biochimie Open</i> , 2016, 3, 49-55.	3.2	33
54	The AhR: A regulator of liver fibrosis?. <i>Toxicology Letters</i> , 2016, 258, S50.	0.8	0

#	ARTICLE	IF	CITATIONS
55	Exposure to metal oxide nanoparticles administered at occupationally relevant doses induces pulmonary effects in mice. <i>Nanotoxicology</i> , 2016, 10, 1535-1544.	3.0	21
56	Contaminants alimentaires et le risque de cancer. <i>Cahiers De Nutrition Et De Dietetique</i> , 2016, 51, 104-110.	0.3	1
57	Regulation of Aquaporin 3 Expression by the AhR Pathway Is Critical to Cell Migration. <i>Toxicological Sciences</i> , 2016, 149, 158-166.	3.1	13
58	Editorial. <i>Biochimie Open</i> , 2015, 1, 60.	3.2	0
59	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, 2403-2412.	4.2	13
60	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, 317-323.	6.0	43
61	Design, Synthesis, and Evaluation of Novel Imidazo[1,2- <i>a</i> ][1,3,5]triazines and Their Derivatives as Focal Adhesion Kinase Inhibitors with Antitumor Activity. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 237-251.	6.4	46
62	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.	2.5	11
63	Aryl Hydrocarbon Receptor-Dependent Induction of Liver Fibrosis by Dioxin. <i>Toxicological Sciences</i> , 2014, 137, 114-124.	3.1	99
64	Citrulline reduces glyceroneogenesis and induces fatty acid release in visceral adipose tissue from overweight rats. <i>Molecular Nutrition and Food Research</i> , 2014, 58, 2320-2330.	3.3	16
65	Alimentation, pesticides et pathologies neurologiques. <i>Cahiers De Nutrition Et De Dietetique</i> , 2014, 49, 74-80.	0.3	1
66	The aryl hydrocarbon receptor regulates focal adhesion sites through a non-genomic FAK/Src pathway. <i>Oncogene</i> , 2013, 32, 1811-1820.	5.9	84
67	The AhR twist: ligand-dependent AhR signaling and pharmaco-toxicological implications. <i>Drug Discovery Today</i> , 2013, 18, 479-486.	6.4	115
68	Oculomotor Deficits in Aryl Hydrocarbon Receptor Null Mouse. <i>PLoS ONE</i> , 2013, 8, e53520.	2.5	37
69	The aryl hydrocarbon receptor system. <i>Drug Metabolism and Drug Interactions</i> , 2012, 27, 3-8.	0.3	101
70	Identification of a new stilbene-derived inducer of paraoxonase 1 and ligand of the Aryl hydrocarbon Receptor. <i>Biochemical Pharmacology</i> , 2012, 83, 627-632.	4.4	15
71	Le récepteur de la dioxine: rôle endogène et médiateur de la toxicité de la dioxine. <i>Cahiers De Nutrition Et De Dietetique</i> , 2011, 46, 67-74.	0.3	1
72	Induction of the Ras activator Son of Sevenless 1 by environmental pollutants mediates their effects on cellular proliferation. <i>Biochemical Pharmacology</i> , 2011, 81, 304-313.	4.4	30

#	ARTICLE	IF	CITATIONS
73	Understanding SOS (Son of Sevenless). <i>Biochemical Pharmacology</i> , 2011, 82, 1049-1056.	4.4	64
74	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.	5.0	43
75	NOD mice contain an elevated frequency of iNKT17 cells that exacerbate diabetes. <i>European Journal of Immunology</i> , 2011, 41, 3574-3585.	2.9	39
76	Butyrate elicits a metabolic switch in human colon cancer cells by targeting the pyruvate dehydrogenase complex. <i>International Journal of Cancer</i> , 2011, 128, 2591-2601.	5.1	105
77	BRCA1 affects global DNA methylation through regulation of DNMT1. <i>Cell Research</i> , 2010, 20, 1201-1215.	12.0	92
78	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.	2.5	20
79	2,3,7,8-Tetrachlorodibenzo-p-Dioxin Counteracts the p53 Response to a Genotoxicant by Upregulating Expression of the Metastasis Marker AGR2 in the Hepatocarcinoma Cell Line HepG2. <i>Toxicological Sciences</i> , 2010, 115, 501-512.	3.1	31
80	Cell migration and metastasis markers as targets of environmental pollutants and the Aryl hydrocarbon receptor. <i>Cell Adhesion and Migration</i> , 2010, 4, 72-76.	2.7	13
81	2,3,7,8-Tetrachloro-dibenzo-p-dioxin counteracts the p53 response to a genotoxicant by up-regulating expression of the metastasis marker AGR2 in the hepatocarcinoma cell line HepG2. <i>Toxicology Letters</i> , 2010, 196, S215.	0.8	0
82	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.	1.1	43
83	Nedd9/Hef1/Cas-L mediates the effects of environmental pollutants on cell migration and plasticity. <i>Oncogene</i> , 2009, 28, 3642-3651.	5.9	70
84	IGF Signaling Pathway as a Selective Target of Familial Breast Cancer Therapy. <i>Current Molecular Medicine</i> , 2008, 8, 727-740.	1.3	7
85	Absence of full-length Brca1 sensitizes mice to oxidative stress and carcinogen-induced tumorigenesis in the esophagus and forestomach. <i>Carcinogenesis</i> , 2007, 28, 1401-1407.	2.8	46
86	The aryl hydrocarbon receptor, more than a xenobiotic-interacting protein. <i>FEBS Letters</i> , 2007, 581, 3608-3615.	2.8	347
87	RNA interference and inhibition of MEK-ERK signaling prevent abnormal skeletal phenotypes in a mouse model of craniosynostosis. <i>Nature Genetics</i> , 2007, 39, 1145-1150.	21.4	179
88	RNAi-based conditional gene knockdown in mice using a U6 promoter driven vector. <i>International Journal of Biological Sciences</i> , 2007, 3, 91-99.	6.4	18
89	RNAi in mice: a promising approach to decipher gene functions in vivo. <i>Biochimie</i> , 2006, 88, 637-643.	2.6	27
90	ATM and Chk2 p53 activation prevents tumorigenesis at an expense of organ homeostasis upon Brca1 deficiency. <i>EMBO Journal</i> , 2006, 25, 2167-2177.	7.8	103

#	ARTICLE	IF	CITATIONS
91	Activation of the dioxin/aryl hydrocarbon receptor (AhR) modulates cell plasticity through a JNK-dependent mechanism. <i>Oncogene</i> , 2006, 25, 5570-5574.	5.9	134
92	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, 7151-7157.	0.9	46
93	Conditional knockdown of Fgfr2 in mice using Cre-LoxP induced RNA interference. <i>Nucleic Acids Research</i> , 2005, 33, e102-e102.	14.5	80
94	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-e85.	14.5	58
95	Roles of FGF receptors in mammalian development and congenital diseases. <i>Birth Defects Research Part C: Embryo Today Reviews</i> , 2003, 69, 286-304.	3.6	107
96	Génotoxicité des métabolites des "strogènes et cancers. <i>Medecine/Sciences</i> , 2002, 18, 86-90.	0.2	5
97	PXR-dependent induction of human CYP3A4 gene expression by organochlorine pesticides. <i>Biochemical Pharmacology</i> , 2002, 64, 1513-1519.	4.4	106
98	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.	0.9	69
99	Nuclear Factor I/CCAAT Box Transcription Factor trans-Activating Domain Is a Negative Sensor of Cellular Stress. <i>Molecular Pharmacology</i> , 2000, 58, 1239-1246.	2.3	11
100	Properties of Overlapping EREs: Synergistic Activation of Transcription and Cooperative Binding of ER. <i>Biochemistry</i> , 1998, 37, 6023-6032.	2.5	27