Laurence Huc

List of Publications by Year
in descending order

44 papers	2,702 citations	218677 26 h-index	265206 42 g-index
44 all docs	44 docs citations	44 times ranked	4627 citing authors

#	Article	IF	Citations
1	Transcriptomic analysis in zebrafish larvae identifies iron-dependent mitochondrial dysfunction as a possible key event of NAFLD progression induced by benzo[a]pyrene/ethanol co-exposure. Cell Biology and Toxicology, 2023, 39, 371-390.	5.3	7
2	Short-Term and Long-Term Carcinogenic Effects of Food Contaminants (4-Hydroxynonenal and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 70 Cancers, 2021, 13, 4337.	3.7	0
3	Disturbances in H+ dynamics during environmental carcinogenesis. Biochimie, 2019, 163, 171-183.	2.6	7
4	Haem iron reshapes colonic luminal environment: impact on mucosal homeostasis and microbiome through aldehyde formation. Microbiome, 2019, 7, 72.	11.1	38
5	Les xÃ©nobiotiques, quel impact sur les maladies mÃ©taboliquesÂ?. Cahiers De Nutrition Et De Dietetique, 2019, 54, 286-293.	0.3	3
6	Nrf2 and AhR in metabolic reprogramming after contaminant exposure. Current Opinion in Toxicology, 2018, 8, 34-41.	5.0	8
7	DNA damage response upon environmental contaminants: An exhausting work for genomic integrity. Current Opinion in Toxicology, 2018, 8, 28-33.	5.0	2
8	Genome-Wide Transcriptional and Functional Analysis of Human T Lymphocytes Treated with Benzo[Î±]pyrene. International Journal of Molecular Sciences, 2018, 19, 3626.	4.1	13
9	Validation of GelbondÂ® highâ€throughput alkaline and Fpgâ€modified comet assay using a linear mixed model. Environmental and Molecular Mutagenesis, 2018, 59, 595-602.	2.2	13
10	Environmental carcinogenesis and pH homeostasis: Not only a matter of dysregulated metabolism. Seminars in Cancer Biology, 2017, 43, 49-65.	9.6	31
11	Role for the ATPase inhibitory factor 1 in the environmental carcinogen-induced Warburg phenotype. Scientific Reports, 2017, 7, 195.	3.3	15
12	Genotoxicity of Cytolethal Distending Toxin (CDT) on Isogenic Human Colorectal Cell Lines: Potential Promoting Effects for Colorectal Carcinogenesis. Frontiers in Cellular and Infection Microbiology, 2016, 6, 34.	3.9	65
13	The environmental carcinogen benzo[a]pyrene induces a Warburg-like metabolic reprogramming dependent on NHE1 and associated with cell survival. Scientific Reports, 2016, 6, 30776.	3.3	54
14	Red meat and colorectal cancer: Nrf2-dependent antioxidant response contributes to the resistance of preneoplastic colon cells to fecal water of hemoglobin- and beef-fed rats. Carcinogenesis, 2016, 37, 635-645.	2.8	34
15	Benzo[a]pyrene-induced nitric oxide production acts as a survival signal targeting mitochondrial membrane potential. Toxicology in Vitro, 2015, 29, 1597-1608.	2.4	15
16	Adverse effects of long-term exposure to bisphenol A during adulthood leading to hyperglycaemia and hypercholesterolemia in mice. Toxicology, 2014, 325, 133-143.	4.2	97
17	Cell death and diseases related to oxidative stress:4-hydroxynonenal (HNE) in the balance. Cell Death and Differentiation, 2013, 20, 1615-1630.	11.2	417
18	Sarcolemmal localisation of Na⁺/H⁺ exchange and Na⁺â€“HCO₃^{â^'} coâ€transport influences the spatial regulation of intracellular pH in rat ventricular myocytes. Journal of Physiology, 2013, 591, 2287-2306.	2.9	48

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19	Identification of the F1-ATPase at the Cell Surface of Colonic Epithelial Cells. Journal of Biological Chemistry, 2012, 287, 41458-41468.	3.4	14
20	NHE-1 Relocation Outside Cholesterol-rich Membrane Microdomains is Associated with its Benzo[a]pyrene-related Apoptotic Function. Cellular Physiology and Biochemistry, 2012, 29, 657-666.	1.6	13
21	Identification of the couple GSK3Î±/c-Myc as a new regulator of hexokinase II in benzo[a]pyrene-induced apoptosis. Toxicology in Vitro, 2012, 26, 94-101.	2.4	11
22	Low concentrations of bisphenol A induce lipid accumulation mediated by the production of reactive oxygen species in the mitochondria of HepG2 cells. Toxicology in Vitro, 2012, 26, 709-717.	2.4	159
23	4-Hydroxy-2(E)-nonenal Metabolism Differs in Apc^{+/+} Cells and in Apc^{Min/+} Cells: It May Explain Colon Cancer Promotion by Heme Iron. Chemical Research in Toxicology, 2011, 24, 1984-1993.	3.3	42
24	Specific disintegration of complex II succinate:ubiquinone oxidoreductase links pH changes to oxidative stress for apoptosis induction. Cell Death and Differentiation, 2011, 18, 338-349.	11.2	90
25	Chemistry and biochemistry of lipid peroxidation products. Free Radical Research, 2010, 44, 1098-1124.	3.3	425
26	Use of reconstituted metabolic networks to assist in metabolomic data visualization and mining. Metabolomics, 2010, 6, 312-321.	3.0	29
27	Membrane remodeling, an early event in benzo[Î±]pyrene-induced apoptosis. Toxicology and Applied Pharmacology, 2010, 243, 68-76.	2.8	44
28	Regulation of Na⁺/H⁺ exchanger 1 allosteric balance by its localization in cholesterolâ€•and caveolinâ€•rich membrane microdomains. Journal of Cellular Physiology, 2008, 216, 207-220.	4.1	35
29	A new lactoferrin- and iron-dependent lysosomal death pathway is induced by benzo[a]pyrene in hepatic epithelial cells. Toxicology and Applied Pharmacology, 2008, 228, 212-224.	2.8	27
30	Kinetic Analysis of the Regulation of the Na⁺/H⁺ Exchanger NHE-1 by Osmotic Shocks. Biochemistry, 2008, 47, 13674-13685.	2.5	27
31	c-Jun NH2-Terminal Kinaseâ€“Related Na+/H+ Exchanger Isoform 1 Activation Controls Hexokinase II Expression in Benzo(a)Pyrene-Induced Apoptosis. Cancer Research, 2007, 67, 1696-1705.	0.9	34
32	TRAIL Induces Receptor-Interacting Protein 1â€“Dependent and Caspase-Dependent Necrosis-Like Cell Death under Acidic Extracellular Conditions. Cancer Research, 2007, 67, 218-226.	0.9	62
33	Different mechanisms involved in apoptosis following exposure to benzo[a]pyrene in F258 and Hepa1c1c7 cells. Chemico-Biological Interactions, 2007, 167, 41-55.	4.0	61
34	Membrane Fluidity Changes Are Associated with Benzo[a]Pyrene-Induced Apoptosis in F258 Cells: Protection by Exogenous Cholesterol. Annals of the New York Academy of Sciences, 2006, 1090, 108-112.	3.8	40
35	Protective effect of monosialoganglioside GM1 against chemically induced apoptosis through targeting of mitochondrial function and iron transport. Biochemical Pharmacology, 2006, 72, 1343-1353.	4.4	28
36	Multiple apoptotic pathways induced by p53-dependent acidification in benzo[a]pyrene-exposed hepatic F258 cells. Journal of Cellular Physiology, 2006, 208, 527-537.	4.1	45

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37	TRAIL (TNF-Related Apoptosis-Inducing Ligand) Induces Necrosis-Like Cell Death in Tumor Cells at Acidic Extracellular pH. Annals of the New York Academy of Sciences, 2005, 1056, 379-387.	3.8	19
38	Role for Membrane Fluidity in Ethanol-Induced Oxidative Stress of Primary Rat Hepatocytes. Journal of Pharmacology and Experimental Therapeutics, 2005, 313, 104-111.	2.5	105
39	Identification of Na + /H + exchange as a new target for toxic polycyclic aromatic hydrocarbons in liver cells. FASEB Journal, 2004, 18, 1-26.	0.5	44
40	Alterations of intracellular pH homeostasis in apoptosis: origins and roles. Cell Death and Differentiation, 2004, 11, 953-961.	11.2	437
41	Inhibition of carcinogen-bioactivating cytochrome P450 1 isoforms by amiloride derivatives. Biochemical Pharmacology, 2004, 67, 1711-1719.	4.4	12
42	Apoptotic Mitochondrial Dysfunction Induced by Benzo(a)pyrene in Liver Epithelial Cells. Annals of the New York Academy of Sciences, 2003, 1010, 167-170.	3.8	19
43	Acute cytotoxicity of the chemical carcinogen 2-acetylaminofluorene in cultured rat liver epithelial cells. Toxicology Letters, 2002, 129, 245-254.	0.8	13
44	P60-SRC and p125-FAK are potential mediators of PI 3-kinase activation by glycine-extended gastrin precursors. Gastroenterology, 2000, 118, A437.	1.3	0