

Laurence Huc

List of Publications by Year in descending order

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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	Alterations of intracellular pH homeostasis in apoptosis: origins and roles. <i>Cell Death and Differentiation</i> , 2004, 11, 953-961.	11.2	437
2	Chemistry and biochemistry of lipid peroxidation products. <i>Free Radical Research</i> , 2010, 44, 1098-1124.	3.3	425
3	Cell death and diseases related to oxidative stress:4-hydroxynonenal (HNE) in the balance. <i>Cell Death and Differentiation</i> , 2013, 20, 1615-1630.	11.2	417
4	Low concentrations of bisphenol A induce lipid accumulation mediated by the production of reactive oxygen species in the mitochondria of HepG2 cells. <i>Toxicology in Vitro</i> , 2012, 26, 709-717.	2.4	159
5	Role for Membrane Fluidity in Ethanol-Induced Oxidative Stress of Primary Rat Hepatocytes. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2005, 313, 104-111.	2.5	105
6	Adverse effects of long-term exposure to bisphenol A during adulthood leading to hyperglycaemia and hypercholesterolemia in mice. <i>Toxicology</i> , 2014, 325, 133-143.	4.2	97
7	Specific disintegration of complex II succinate:ubiquinone oxidoreductase links pH changes to oxidative stress for apoptosis induction. <i>Cell Death and Differentiation</i> , 2011, 18, 338-349.	11.2	90
8	Genotoxicity of Cytolethal Distending Toxin (CDT) on Isogenic Human Colorectal Cell Lines: Potential Promoting Effects for Colorectal Carcinogenesis. <i>Frontiers in Cellular and Infection Microbiology</i> , 2016, 6, 34.	3.9	65
9	TRAIL Induces Receptor-Interacting Protein 1-Dependent and Caspase-Dependent Necrosis-Like Cell Death under Acidic Extracellular Conditions. <i>Cancer Research</i> , 2007, 67, 218-226.	0.9	62
10	Different mechanisms involved in apoptosis following exposure to benzo[a]pyrene in F258 and Hepa1c1c7 cells. <i>Chemico-Biological Interactions</i> , 2007, 167, 41-55.	4.0	61
11	The environmental carcinogen benzo[a]pyrene induces a Warburg-like metabolic reprogramming dependent on NHE1 and associated with cell survival. <i>Scientific Reports</i> , 2016, 6, 30776.	3.3	54
12	Sarcolemmal localisation of Na ⁺ /H ⁺ exchange and Na ⁺ -HCO ₃ ⁻ co-transport influences the spatial regulation of intracellular pH in rat ventricular myocytes. <i>Journal of Physiology</i> , 2013, 591, 2287-2306.	2.9	48
13	Multiple apoptotic pathways induced by p53-dependent acidification in benzo[a]pyrene-exposed hepatic F258 cells. <i>Journal of Cellular Physiology</i> , 2006, 208, 527-537.	4.1	45
14	Identification of Na ⁺ /H ⁺ exchange as a new target for toxic polycyclic aromatic hydrocarbons in liver cells. <i>FASEB Journal</i> , 2004, 18, 1-26.	0.5	44
15	Membrane remodeling, an early event in benzo[<i>a</i>]pyrene-induced apoptosis. <i>Toxicology and Applied Pharmacology</i> , 2010, 243, 68-76.	2.8	44
16	4-Hydroxy-2-E-nonenal Metabolism Differs in Apc ^{+/+} Cells and in Apc ^{Min/+} Cells: It May Explain Colon Cancer Promotion by Heme Iron. <i>Chemical Research in Toxicology</i> , 2011, 24, 1984-1993.	3.3	42
17	Membrane Fluidity Changes Are Associated with Benzo[a]Pyrene-Induced Apoptosis in F258 Cells: Protection by Exogenous Cholesterol. <i>Annals of the New York Academy of Sciences</i> , 2006, 1090, 108-112.	3.8	40
18	Haem iron reshapes colonic luminal environment: impact on mucosal homeostasis and microbiome through aldehyde formation. <i>Microbiome</i> , 2019, 7, 72.	11.1	38

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19	Regulation of Na ⁺ /H ⁺ exchanger 1 allosteric balance by its localization in cholesterol- and caveolin-rich membrane microdomains. <i>Journal of Cellular Physiology</i> , 2008, 216, 207-220.	4.1	35
20	c-Jun NH2-Terminal Kinase-Related Na ⁺ /H ⁺ Exchanger Isoform 1 Activation Controls Hexokinase II Expression in Benzo(a)Pyrene-Induced Apoptosis. <i>Cancer Research</i> , 2007, 67, 1696-1705.	0.9	34
21	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. <i>Carcinogenesis</i> , 2016, 37, 635-645.	2.8	34
22	Environmental carcinogenesis and pH homeostasis: Not only a matter of dysregulated metabolism. <i>Seminars in Cancer Biology</i> , 2017, 43, 49-65.	9.6	31
23	Use of reconstituted metabolic networks to assist in metabolomic data visualization and mining. <i>Metabolomics</i> , 2010, 6, 312-321.	3.0	29
24	Protective effect of monosialoganglioside GM1 against chemically induced apoptosis through targeting of mitochondrial function and iron transport. <i>Biochemical Pharmacology</i> , 2006, 72, 1343-1353.	4.4	28
25	A new lactoferrin- and iron-dependent lysosomal death pathway is induced by benzo[a]pyrene in hepatic epithelial cells. <i>Toxicology and Applied Pharmacology</i> , 2008, 228, 212-224.	2.8	27
26	Kinetic Analysis of the Regulation of the Na ⁺ /H ⁺ Exchanger NHE-1 by Osmotic Shocks. <i>Biochemistry</i> , 2008, 47, 13674-13685.	2.5	27
27	Apoptotic Mitochondrial Dysfunction Induced by Benzo(a)pyrene in Liver Epithelial Cells. <i>Annals of the New York Academy of Sciences</i> , 2003, 1010, 167-170.	3.8	19
28	TRAIL (TNF-Related Apoptosis-Inducing Ligand) Induces Necrosis-Like Cell Death in Tumor Cells at Acidic Extracellular pH. <i>Annals of the New York Academy of Sciences</i> , 2005, 1056, 379-387.	3.8	19
29	Benzo[a]pyrene-induced nitric oxide production acts as a survival signal targeting mitochondrial membrane potential. <i>Toxicology in Vitro</i> , 2015, 29, 1597-1608.	2.4	15
30	Role for the ATPase inhibitory factor 1 in the environmental carcinogen-induced Warburg phenotype. <i>Scientific Reports</i> , 2017, 7, 195.	3.3	15
31	Identification of the F1-ATPase at the Cell Surface of Colonic Epithelial Cells. <i>Journal of Biological Chemistry</i> , 2012, 287, 41458-41468.	3.4	14
32	Acute cytotoxicity of the chemical carcinogen 2-acetylaminofluorene in cultured rat liver epithelial cells. <i>Toxicology Letters</i> , 2002, 129, 245-254.	0.8	13
33	NHE-1 Relocation Outside Cholesterol-rich Membrane Microdomains is Associated with its Benzo[a]pyrene-related Apoptotic Function. <i>Cellular Physiology and Biochemistry</i> , 2012, 29, 657-666.	1.6	13
34	Genome-Wide Transcriptional and Functional Analysis of Human T Lymphocytes Treated with Benzo[a]pyrene. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3626.	4.1	13
35	Validation of Gelbond® high-throughput alkaline and Fpg-modified comet assay using a linear mixed model. <i>Environmental and Molecular Mutagenesis</i> , 2018, 59, 595-602.	2.2	13
36	Inhibition of carcinogen-bioactivating cytochrome P450 1 isoforms by amiloride derivatives. <i>Biochemical Pharmacology</i> , 2004, 67, 1711-1719.	4.4	12

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37	Identification of the couple GSK3 β /c-Myc as a new regulator of hexokinase II in benzo[a]pyrene-induced apoptosis. <i>Toxicology in Vitro</i> , 2012, 26, 94-101.	2.4	11
38	Nrf2 and AhR in metabolic reprogramming after contaminant exposure. <i>Current Opinion in Toxicology</i> , 2018, 8, 34-41.	5.0	8
39	Disturbances in H+ dynamics during environmental carcinogenesis. <i>Biochimie</i> , 2019, 163, 171-183.	2.6	7
40	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. <i>Cell Biology and Toxicology</i> , 2023, 39, 371-390.	5.3	7
41	Les x α nobiotiques, quel impact sur les maladies m α taboliques α ? <i>Cahiers De Nutrition Et De Dietetique</i> , 2019, 54, 286-293.	0.3	3
42	DNA damage response upon environmental contaminants: An exhausting work for genomic integrity. <i>Current Opinion in Toxicology</i> , 2018, 8, 28-33.	5.0	2
43	P60-SRC and p125-FAK are potential mediators of PI 3-kinase activation by glycine-extended gastrin precursors. <i>Gastroenterology</i> , 2000, 118, A437.	1.3	0
44	Short-Term and Long-Term Carcinogenic Effects of Food Contaminants (4-Hydroxynonenal and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 46 Cancers, 2021, 13, 4337.	3.7	0