

Odile Sergent

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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.

52
papers

1,949
citations

22
h-index

43
g-index

53
ext. papers

2,091
ext. citations

5.4
avg, IF

3.79
L-index

#	Paper	IF	Citations
52	Antioxidant and iron-chelating activities of the flavonoids catechin, quercetin and diosmetin on iron-loaded rat hepatocyte cultures. <i>Biochemical Pharmacology</i> , 1993 , 45, 13-9	6	508
51	Cisplatin-induced CD95 redistribution into membrane lipid rafts of HT29 human colon cancer cells. <i>Cancer Research</i> , 2004 , 64, 3593-8	10.1	268
50	Cisplatin-induced apoptosis involves membrane fluidification via inhibition of NHE1 in human colon cancer cells. <i>Cancer Research</i> , 2007 , 67, 7865-74	10.1	126
49	Role for membrane fluidity in ethanol-induced oxidative stress of primary rat hepatocytes. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2005 , 313, 104-11	4.7	95
48	Repair of iron-induced DNA oxidation by the flavonoid myricetin in primary rat hepatocyte cultures. <i>Free Radical Biology and Medicine</i> , 1999 , 26, 1457-66	7.8	70
47	Inter-laboratory validation of procedures for measuring 8-oxo-7,8-dihydroguanine/8-oxo-7,8-dihydro-2'-deoxyguanosine in DNA. <i>Free Radical Research</i> , 2002 , 36, 239-45	4	56
46	Antioxidant and free radical scavenging activities of the iron chelators pyoverdin and hydroxypyrid-4-ones in iron-loaded hepatocyte cultures: comparison of their mechanism of protection with that of desferrioxamine. <i>Free Radical Biology and Medicine</i> , 1992 , 13, 499-508	7.8	52
45	Role for membrane remodeling in cell death: implication for health and disease. <i>Toxicology</i> , 2013 , 304, 141-57	4.4	50
44	Membrane remodeling, an early event in benzo[a]pyrene-induced apoptosis. <i>Toxicology and Applied Pharmacology</i> , 2010 , 243, 68-76	4.6	41
43	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	4.9	41
42	Ethanol induces oxidative stress in primary rat hepatocytes through the early involvement of lipid raft clustering. <i>Hepatology</i> , 2008 , 47, 59-70	11.2	40
41	Cisplatin-induced apoptosis involves a Fas-ROCK-ezrin-dependent actin remodelling in human colon cancer cells. <i>European Journal of Cancer</i> , 2010 , 46, 1445-55	7.5	39
40	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, 108-12	6.5	34
39	Ximelagatran increases membrane fluidity and changes membrane lipid composition in primary human hepatocytes. <i>Toxicology in Vitro</i> , 2009 , 23, 1305-10	3.6	29
38	Physical fitness and plasma non-enzymatic antioxidant status at rest and after a wingate test. <i>Applied Physiology, Nutrition, and Metabolism</i> , 2003 , 28, 79-92		29
37	Involvement of phenoxyl radical intermediates in lipid antioxidant action of myricetin in iron-treated rat hepatocyte culture. <i>Biochemical Pharmacology</i> , 1998 , 55, 1399-404	6	28
36	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, 212-24	4.6	27

35	Simultaneous measurements of conjugated dienes and free malondialdehyde, used as a micromethod for the evaluation of lipid peroxidation in rat hepatocyte cultures. <i>Chemistry and Physics of Lipids</i> , 1993 , 65, 133-9	3.7	27
34	Protective effect of monosialoganglioside GM1 against chemically induced apoptosis through targeting of mitochondrial function and iron transport. <i>Biochemical Pharmacology</i> , 2006 , 72, 1343-53	6	26
33	Co-exposure to benzo[a]pyrene and ethanol induces a pathological progression of liver steatosis in vitro and in vivo. <i>Scientific Reports</i> , 2018 , 8, 5963	4.9	25
32	Environmental carcinogenesis and pH homeostasis: Not only a matter of dysregulated metabolism. <i>Seminars in Cancer Biology</i> , 2017 , 43, 49-65	12.7	24
31	Macrophage-induced inhibition of nitric oxide production in primary rat hepatocyte cultures via prostaglandin E2 release. <i>Hepatology</i> , 1998 , 28, 1300-8	11.2	24
30	Cooperative interaction of benzo[a]pyrene and ethanol on plasma membrane remodeling is responsible for enhanced oxidative stress and cell death in primary rat hepatocytes. <i>Free Radical Biology and Medicine</i> , 2014 , 72, 11-22	7.8	21
29	Possible Involvement of Mitochondrial Dysfunction and Oxidative Stress in a Cellular Model of NAFLD Progression Induced by Benzo[a]pyrene/Ethanol CoExposure. <i>Oxidative Medicine and Cellular Longevity</i> , 2018 , 2018, 4396403	6.7	21
28	Importance of plasma membrane dynamics in chemical-induced carcinogenesis. <i>Recent Patents on Anti-Cancer Drug Discovery</i> , 2011 , 6, 347-53	2.6	20
27	Protective action of n-3 fatty acids on benzo[a]pyrene-induced apoptosis through the plasma membrane remodeling-dependent NHE1 pathway. <i>Chemico-Biological Interactions</i> , 2014 , 207, 41-51	5	17
26	Physical and chemical modulation of lipid rafts by a dietary n-3 polyunsaturated fatty acid increases ethanol-induced oxidative stress. <i>Free Radical Biology and Medicine</i> , 2011 , 51, 2018-30	7.8	16
25	Glutathione depletion increases nitric oxide-induced oxidative stress in primary rat hepatocyte cultures: involvement of low-molecular-weight iron. <i>Free Radical Biology and Medicine</i> , 2003 , 34, 1283-94	7.8	15
24	Combination of iron overload plus ethanol and ischemia alone give rise to the same endogenous free iron pool. <i>BioMetals</i> , 2005 , 18, 567-75	3.4	14
23	Alkyl galactofuranosides strongly interact with Leishmania donovani membrane and provide antileishmanial activity. <i>Antimicrobial Agents and Chemotherapy</i> , 2014 , 58, 2156-66	5.9	13
22	Increased Lipiodol uptake in hepatocellular carcinoma possibly due to increased membrane fluidity by dexamethasone and tamoxifen. <i>Nuclear Medicine and Biology</i> , 2010 , 37, 777-84	2.1	13
21	Zebrafish larva as a reliable model for in vivo assessment of membrane remodeling involvement in the hepatotoxicity of chemical agents. <i>Journal of Applied Toxicology</i> , 2017 , 37, 732-746	4.1	12
20	Role for the ATPase inhibitory factor 1 in the environmental carcinogen-induced Warburg phenotype. <i>Scientific Reports</i> , 2017 , 7, 195	4.9	12
19	Benzo[a]pyrene-induced nitric oxide production acts as a survival signal targeting mitochondrial membrane potential. <i>Toxicology in Vitro</i> , 2015 , 29, 1597-608	3.6	12
18	A role for lipid rafts in the protection afforded by docosahexaenoic acid against ethanol toxicity in primary rat hepatocytes. <i>Food and Chemical Toxicology</i> , 2013 , 60, 286-96	4.7	12

17	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, 657-66	3.9	12
16	Evidence of selective activation of aryl hydrocarbon receptor nongenomic calcium signaling by pyrene. <i>Biochemical Pharmacology</i> , 2018 , 158, 1-12	6	12
15	Polycyclic aromatic hydrocarbons can trigger hepatocyte release of extracellular vesicles by various mechanisms of action depending on their affinity for the aryl hydrocarbon receptor. <i>Toxicological Sciences</i> , 2019 ,	4.4	11
14	Identification of the couple GSK3 β -Myc as a new regulator of hexokinase II in benzo[a]pyrene-induced apoptosis. <i>Toxicology in Vitro</i> , 2012 , 26, 94-101	3.6	10
13	On the role of the difference in surface tensions involved in the allosteric regulation of NHE-1 induced by low to mild osmotic pressure, membrane tension and lipid asymmetry. <i>Cell Biochemistry and Biophysics</i> , 2012 , 63, 47-57	3.2	8
12	PAHs increase the production of extracellular vesicles both in vitro in endothelial cells and in vivo in urines from rats. <i>Environmental Pollution</i> , 2019 , 255, 113171	9.3	6
11	Membrane Remodeling as a Key Player of the Hepatotoxicity Induced by Co-Exposure to Benzo[a]pyrene and Ethanol of Obese Zebrafish Larvae. <i>Biomolecules</i> , 2018 , 8,	5.9	6
10	Ultraviolet and infrared methods for analysis of fatty acyl esters in cellular systems. <i>Methods in Enzymology</i> , 1994 , 233, 310-3	1.7	6
9	Mechanisms involved in the death of steatotic WIF-B9 hepatocytes co-exposed to benzo[a]pyrene and ethanol: a possible key role for xenobiotic metabolism and nitric oxide. <i>Free Radical Biology and Medicine</i> , 2018 , 129, 323-337	7.8	6
8	Extracellular vesicles released by polycyclic aromatic hydrocarbons-treated hepatocytes trigger oxidative stress in recipient hepatocytes by delivering iron. <i>Free Radical Biology and Medicine</i> , 2020 , 160, 246-262	7.8	5
7	Disturbances in H dynamics during environmental carcinogenesis. <i>Biochimie</i> , 2019 , 163, 171-183	4.6	3
6	Protective Action of and Extracts towards Benzo[a]Pyrene-Induced Cytotoxicity in Endothelial Cells. <i>Marine Drugs</i> , 2019 , 18,	6	3
5	MEHP/ethanol co-exposure favors the death of steatotic hepatocytes, possibly through CYP4A and ADH involvement. <i>Food and Chemical Toxicology</i> , 2020 , 146, 111798	4.7	3
4	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> , 2022 , 1	7.4	1
3	Acides gras polyinsaturés oméga 3 et toxicité hépatique de l'éthanol : rôle du remodelage membranaire. <i>Nutrition Clinique Et Metabolisme</i> , 2014 , 28, 17-28	0.8	0
2	Oxidative Stress Induced by Interferon and Lipopolysaccharide in Rat Hepatocyte Cultures. Relationship with Nitric Oxide Production 1995 , 261-269		
1	Effet des acides gras polyinsaturés à longue chaîne n-3 sur le remodelage membranaire induit par les toxiques chimiques : retentissement sur la mort cellulaire. <i>Cahiers De Nutrition Et De Dietetique</i> , 2019 , 54, 116-127	0.2	