Marc Poirot

List of Publications by Citations

96 papers	10,886 citations	33 h-index	104 g-index
115 ext. papers	12,552 ext. citations	6.1 avg, IF	5.59 L-index

#	Paper	IF	Citations
96	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). *Autophagy*, **2016**, 12, 1-222	10.2	3838
95	Guidelines for the use and interpretation of assays for monitoring autophagy. *Autophagy*, **2012**, 8, 445-544	10.2	2783
94	Exosomes as new vesicular lipid transporters involved in cell-cell communication and various pathophysiologies. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2014**, 1841, 108-20	5	520
93	Guidelines for the use and interpretation of assays for monitoring autophagy (4th edition). *Autophagy*, **2021**, 17, 1-382	10.2	440
92	Exosomes account for vesicle-mediated transcellular transport of activatable phospholipases and prostaglandins. *Journal of Lipid Research*, **2010**, 51, 2105-20	6.3	418
91	Exosomes as intercellular signalosomes and pharmacological effectors. *Biochemical Pharmacology*, **2011**, 81, 1171-82	6	406
90	Cancer. Cholesterol and cancer, in the balance. *Science*, **2014**, 343, 1445-6	33.3	130
89	Extracellular vesicles: lipids as key components of their biogenesis and functions. *Journal of Lipid Research*, **2018**, 59, 1316-1324	6.3	127
88	Identification and pharmacological characterization of cholesterol-5,6-epoxide hydrolase as a target for tamoxifen and AEBS ligands. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 13520-5	11.5	95
87	Dendrogenin A arises from cholesterol and histamine metabolism and shows cell differentiation and anti-tumour properties. *Nature Communications*, **2013**, 4, 1840	17.4	83
86	Tamoxifen and AEBS ligands induced apoptosis and autophagy in breast cancer cells through the stimulation of sterol accumulation. *Autophagy*, **2009**, 5, 1066-7	10.2	78
85	Molecular characterization of the microsomal tamoxifen binding site. *Journal of Biological Chemistry*, **2004**, 279, 34048-61	5.4	73
84	Identification of a tumor-promoter cholesterol metabolite in human breast cancers acting through the glucocorticoid receptor. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, E9346-E9355	11.5	72
83	MAPK14/p38□confers irinotecan resistance to TP53-defective cells by inducing survival autophagy. *Autophagy*, **2012**, 8, 1098-112	10.2	66
82	Cholesterol metabolites exported from human brain. *Steroids*, **2015**, 99, 189-93	2.8	64
81	Ligands of the antiestrogen-binding site induce active cell death and autophagy in human breast cancer cells through the modulation of cholesterol metabolism. *Cell Death and Differentiation*, **2009**, 16, 1372-84	12.7	64
80	Dendrogenin A drives LXR to trigger lethal autophagy in cancers. *Nature Communications*, **2017**, 8, 1903	17.4	62

79	Tamoxifen is a potent inhibitor of cholesterol esterification and prevents the formation of foam cells. *Journal of Pharmacology and Experimental Therapeutics*, **2004**, 308, 1165-73	4.7	61
78	Multiple targeting by the antitumor drug tamoxifen: a structure-activity study. *Anti-Cancer Agents in Medicinal Chemistry*, **2004**, 4, 491-508		58
77	Cholesterol-5,6-epoxides: chemistry, biochemistry, metabolic fate and cancer. *Biochimie*, **2013**, 95, 622-31	4.6	53
76	Signaling through cholesterol esterification: a new pathway for the cholecystokinin 2 receptor involved in cell growth and invasion. *Journal of Lipid Research*, **2009**, 50, 2203-11	6.3	53
75	Synthesis and biological properties of new stilbene derivatives of resveratrol as new selective aryl hydrocarbon modulators. *Journal of Medicinal Chemistry*, **2005**, 48, 287-91	8.3	52
74	Cholesterol epoxide hydrolase and cancer. *Current Opinion in Pharmacology*, **2012**, 12, 696-703	5.1	51
73	Microsomal antiestrogen-binding site ligands induce growth control and differentiation of human breast cancer cells through the modulation of cholesterol metabolism. *Molecular Cancer Therapeutics*, **2008**, 7, 3707-18	6.1	51
72	Synthesis of new alkylaminooxysterols with potent cell differentiating activities: identification of leads for the treatment of cancer and neurodegenerative diseases. *Journal of Medicinal Chemistry*, **2009**, 52, 7765-77	8.3	50
71	Emerging concepts on the role of exosomes in lipid metabolic diseases. *Biochimie*, **2014**, 96, 67-74	4.6	48
70	Importance of cholesterol and oxysterols metabolism in the pharmacology of tamoxifen and other AEBS ligands. *Chemistry and Physics of Lipids*, **2011**, 164, 432-7	3.7	46
69	Auraptene is an inhibitor of cholesterol esterification and a modulator of estrogen receptors. *Molecular Pharmacology*, **2010**, 78, 827-36	4.3	45
68	5,6-Epoxy-cholesterols contribute to the anticancer pharmacology of tamoxifen in breast cancer cells. *Biochemical Pharmacology*, **2013**, 86, 175-89	6	43
67	Cholesterol metabolism and resistance to tamoxifen. *Current Opinion in Pharmacology*, **2012**, 12, 683-9	5.1	43
66	Improving the efficacy of hormone therapy in breast cancer: The role of cholesterol metabolism in SERM-mediated autophagy, cell differentiation and death. *Biochemical Pharmacology*, **2017**, 144, 18-28	6	35
65	The Effects of Cholesterol-Derived Oncometabolites on Nuclear Receptor Function in Cancer. *Cancer Research*, **2018**, 78, 4803-4808	10.1	33
64	Circulating oxysterol metabolites as potential new surrogate markers in patients with hormone receptor-positive breast cancer: Results of the OXYTAM study. *Journal of Steroid Biochemistry and Molecular Biology*, **2017**, 169, 210-218	5.1	32
63	The tumor-suppressor cholesterol metabolite, dendrogenin A, is a new class of LXR modulator activating lethal autophagy in cancers. *Biochemical Pharmacology*, **2018**, 153, 75-81	6	31
62	Surprising unreactivity of cholesterol-5,6-epoxides towards nucleophiles. *Journal of Lipid Research*, **2012**, 53, 718-25	6.3	30

61	Identification of two tamoxifen target proteins by photolabeling with 4-(2-morpholinoethoxy)benzophenone. *Bioconjugate Chemistry*, **2002**, 13, 766-72	6.3	28
60	Further evidence for a biological role of anti-estrogen-binding sites in mediating the growth inhibitory action of diphenylmethane derivatives. *Chemico-Biological Interactions*, **1988**, 66, 101-9	5	28
59	High tumorigenic potential of a constitutively active mutant of the cholecystokinin 2 receptor. *Oncogene*, **2003**, 22, 6081-9	9.2	27
58	Microsomal epoxide hydrolase of rat liver is a subunit of theanti-oestrogen-binding site. *Biochemical Journal*, **1998**, 334 (Pt 1), 107-12	3.8	27
57	Improved realism of hybrid mouse models may not be sufficient to generate reference dosimetric data. *Medical Physics*, **2013**, 40, 052501	4.4	25
56	Farnesyl-transferase inhibitor R115,777 enhances tamoxifen inhibition of MCF-7 cell growth through estrogen receptor dependent and independent pathways. *Breast Cancer Research*, **2005**, 7, R1159-67	8.3	24
55	Synthesis, binding and structure-affinity studies of new ligands for the microsomal anti-estrogen binding site (AEBS). *Bioorganic and Medicinal Chemistry*, **2000**, 8, 2007-16	3.4	24
54	Antiestrogen-binding site ligands induce autophagy in myeloma cells that proceeds through alteration of cholesterol metabolism. *Oncotarget*, **2013**, 4, 911-22	3.3	24
53	Identification of tyrosine 189 and asparagine 358 of the cholecystokinin 2 receptor in direct interaction with the crucial C-terminal amide of cholecystokinin by molecular modeling, site-directed mutagenesis, and structure/affinity studies. *Molecular Pharmacology*, **2003**, 63, 973-82	4.3	22
52	Structural similitudes between cytotoxic antiestrogen-binding site (AEBS) ligands and cytotoxic sigma receptor ligands. Evidence for a relationship between cytotoxicity and affinity for AEBS or sigma-2 receptor but not for sigma-1 receptor. *Biochemical Pharmacology*, **1999**, 58, 1927-39	6	22
51	Dendrogenin A: A Mammalian Metabolite of Cholesterol with Tumor Suppressor and Neurostimulating Properties. *Current Medicinal Chemistry*, **2015**, 22, 3533-49	4.3	22
50	The prototypical inhibitor of cholesterol esterification, Sah 58-035 [3-[decyldimethylsilyl]-n-[2-(4-methylphenyl)-1-phenylethyl]propanamide], is an agonist of estrogen receptors. *Journal of Pharmacology and Experimental Therapeutics*, **2006**, 319, 139-49	4.7	20
49	Molecular and Biochemical Analysis of the Estrogenic and Proliferative Properties of Vitamin E Compounds. *Frontiers in Oncology*, **2015**, 5, 287	5.3	20
48	From tamoxifen to dendrogenin A: The discovery of a mammalian tumor suppressor and cholesterol metabolite. *Biochimie*, **2016**, 130, 109-114	4.6	19
47	The novel steroidal alkaloids dendrogenin A and B promote proliferation of adult neural stem cells. *Biochemical and Biophysical Research Communications*, **2014**, 446, 681-6	3.4	19
46	Progesterone and a phospholipase inhibitor increase the endosomal bis(monoacylglycero)phosphate content and block HIV viral particle intercellular transmission. *Biochimie*, **2013**, 95, 1677-88	4.6	19
45	Modifications of benzylphenoxy ethanamine antiestrogen molecules: influence affinity for antiestrogen binding site (AEBS) and cell cytotoxicity. *Biochemical Pharmacology*, **1999**, 57, 657-61	6	19
44	Ligand-dependent transcriptional induction of lethal autophagy: A new perspective for cancer treatment. *Autophagy*, **2018**, 14, 555-557	10.2	18

43	The cholesterol-derived metabolite dendrogenin A functionally reprograms breast adenocarcinoma and undifferentiated thyroid cancer cells. *Journal of Steroid Biochemistry and Molecular Biology*, **2019**, 192, 105390	5.1	15
42	Flavonoids differentially modulate liver X receptors activity-Structure-function relationship analysis. *Journal of Steroid Biochemistry and Molecular Biology*, **2019**, 190, 173-182	5.1	14
41	When cholesterol meets histamine, it gives rise to dendrogenin A: a tumour suppressor metabolite. *Biochemical Society Transactions*, **2016**, 44, 631-7	5.1	14
40	Identification of a new stilbene-derived inducer of paraoxonase 1 and ligand of the Aryl hydrocarbon Receptor. *Biochemical Pharmacology*, **2012**, 83, 627-32	6	14
39	Contrasting effects of prenyltransferase inhibitors on estrogen-dependent cell cycle progression and estrogen receptor-mediated transcriptional activity in MCF-7 cells. *Endocrinology*, **2003**, 144, 989-98	4.8	14
38	Human monocyte recognition of adenosine-based cyclic dinucleotides unveils the A2a G protein-coupled receptor tonic inhibition of mitochondrially induced cell death. *Molecular and Cellular Biology*, **2015**, 35, 479-95	4.8	13
37	Four decades of discovery in breast cancer research and treatment--an interview with V. Craig Jordan. Interview by Marc Poirot. *International Journal of Developmental Biology*, **2011**, 55, 703-12	1.9	13
36	Development of a new radioligand for cholecystokinin receptor subtype 2 scintigraphy: from molecular modeling to in vivo evaluation. *Bioorganic and Medicinal Chemistry*, **2010**, 18, 5400-12	3.4	12
35	HPLC Analysis and Skin Whitening Effects of Umbelliprenin-containing Extracts of , , and. *Molecules*, **2019**, 24,	4.8	11
34	Chemistry, biochemistry, metabolic fate and mechanism of action of 6-oxo-cholestan-3β,5α-diol (OCDO), a tumor promoter and cholesterol metabolite. *Biochimie*, **2018**, 153, 139-149	4.6	11
33	The anti-proliferative properties of 4-benzylphenoxy ethanamine derivatives are mediated by the anti-estrogen binding site (ABS), whereas the anti-estrogenic effects of trifluopromazine are not. *Biochemical Pharmacology*, **1990**, 40, 425-9	6	11
32	Dendrogenin A and B two new steroidal alkaloids increasing neural responsiveness in the deafened guinea pig. *Frontiers in Aging Neuroscience*, **2015**, 7, 145	5.3	10
31	The 5,6-epoxycholesterol metabolic pathway in breast cancer: Emergence of new pharmacological targets. *British Journal of Pharmacology*, **2021**, 178, 3248-3260	8.6	10
30	Natural and semisynthetic oxyprenylated aromatic compounds as stimulators or inhibitors of melanogenesis. *Bioorganic Chemistry*, **2019**, 87, 181-190	5.1	9
29	One step synthesis of 6-oxo-cholestan-3β,5α-diol. *Biochemical and Biophysical Research Communications*, **2014**, 446, 782-5	3.4	9
28	Insights into the cholecystokinin 2 receptor binding site and processes of activation. *Molecular Pharmacology*, **2006**, 70, 1935-45	4.3	8
27	Dendrogenin A synergizes with Cytarabine to Kill Acute Myeloid Leukemia Cells In Vitro and In Vivo. *Cancers*, **2020**, 12,	6.6	7
26	Characterization of the membranous antiestrogen binding protein: I. Partial purification of the protein in its active state. *Journal of Receptors and Signal Transduction*, **1994**, 14, 23-35		7

25	Improvement of 5,6-epoxycholesterol, 5,6-epoxycholesterol, cholestane-3β,5α,6β-triol and 6-oxo-cholestan-3β,5α-diol recovery for quantification by GC/MS. *Chemistry and Physics of Lipids*, **2017**, 207, 92-98	3.7	6
24	Synthesis, characterization and in vitro evaluation of new oxorhenium- and oxotechnetium-CCK4 derivatives as molecular imaging agents for CCK2-receptor targeting. *European Journal of Medicinal Chemistry*, **2010**, 45, 423-9	6.8	6
23	Characterization of the membranous antiestrogen binding protein: II. Purification to homogeneity. *Journal of Receptors and Signal Transduction*, **1994**, 14, 37-46		6
22	Quantitative analysis of the tumor suppressor dendrogenin A using liquid chromatography tandem mass spectrometry. *Chemistry and Physics of Lipids*, **2017**, 207, 81-86	3.7	5
21	Different populations of progesterone receptor-steroid complexes in binding to specific DNA sequences: effects of salts on kinetics and specificity. *Journal of Steroid Biochemistry and Molecular Biology*, **1998**, 67, 251-66	5.1	5
20	Bryonolic Acid Blocks Cancer Cell Clonogenicity and Invasiveness through the Inhibition of Fatty Acid: Cholesteryl Ester Formation. *Biomedicines*, **2018**, 6,	4.8	4
19	A fast UPLC-HILIC method for an accurate quantification of dendrogenin A in human tissues. *Journal of Steroid Biochemistry and Molecular Biology*, **2019**, 194, 105447	5.1	4
18	Dendrogenin A Enhances Anti-Leukemic Effect of Anthracycline in Acute Myeloid Leukemia. *Cancers*, **2020**, 12,	6.6	4
17	Insulin and estrogen receptor ligand influence the FGF-2 activities in MCF-7 breast cancer cells. *Biochemical Pharmacology*, **2003**, 65, 629-36	6	3
16	Cytosolic type II estrogen binding site in rat uterus: specific photolabeling with estrone. *Journal of Receptors and Signal Transduction*, **1992**, 12, 217-31		2
15	Abstract 938: Discovery of Dendrogenin A as the first endogenous alkylaminooxysterol present in mammals with potent cell differentiation and anticancer activity **2011**,		2
14	Abstract 956: The liver-X-receptor-β is involved in the induction by Tamoxifen of breast cancer cell differentiation and death **2012**,		2
13	Vitamin E: an overview **2020**, 51-66		2
12	Targeting the liver X receptor with dendrogenin A differentiates tumour cells to secrete immunogenic exosome-enriched vesicles.. *Journal of Extracellular Vesicles*, **2022**, 11, e12211	16.4	2
11	Generation of whole-body scintigraphic images with new GATE output capacities **2013**,		1
10	Ciblage peptidique en oncologie nucléaire : intérêt de la modélisation moléculaire. *Medecine Nucleaire*, **2010**, 34, 289-294	0.1	1
9	European network for oxysterol research (ENOR): 10 th anniversary. *Journal of Steroid Biochemistry and Molecular Biology*, **2021**, 214, 105996	5.1	1
8	Oxysterols are potential physiological regulators of ageing.. *Ageing Research Reviews*, **2022**, 101615	12	1

7	Technical note: Hapten synthesis, antibody production and development of an enzyme-linked immunosorbent assay for detection of the natural steroidal alkaloid Dendrogenin A. *Biochimie*, **2013**, 95, 482-8	4.6	0
6	R92: Intérêt de la modélisation moléculaire dans le développement de nouveaux radiopharmaceutiques en oncologie nucléaire. *Bulletin Du Cancer*, **2010**, 97, S52	2.4	
5	R44: Médiateurs lipidiques et cancer : les exosomes comme « signalosomes » intercellulaires transporteurs de prostaglandines. *Bulletin Du Cancer*, **2010**, 97, S32-S33	2.4	
4	Preclinical evaluation of new radioligand of cholecystokinin/gastrin receptors in endocrine tumors xenograft nude mice. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2007**, 571, 160-164	1.2	
3	Characterization of a benzyl-phenoxy-ethanamine binding protein in Trypanosoma equiperdum and the possible relation between binding affinity and trypanocidal activity. *Molecular and Biochemical Parasitology*, **1993**, 58, 311-6	1.9	
2	Dendrogenin_A : A Natural Liver X Receptor Modulator for the Treatment of Acute Myeloid Leukemia. *Blood*, **2014**, 124, 3767-3767	2.2	
1	Pharmacologic and genetic inhibition of cholesterol esterification enzymes reduces tumour burden: A systematic review and meta-analysis of preclinical models. *Biochemical Pharmacology*, **2021**, 196, 114731	6	