Sandrine Silvente-Poirot

List of Publications by Year
in descending order

68 papers	3,830 citations	109321 35 h-index	123424 61 g-index
68 all docs	68 docs citations	68 times ranked	7066 citing authors

#	Article	IF	Citations
1	Exosomes account for vesicle-mediated transcellular transport of activatable phospholipases and prostaglandins. Journal of Lipid Research, 2010, 51, 2105-2120.	4.2	528
2	Exosomes as intercellular signalosomes and pharmacological effectors. Biochemical Pharmacology, 2011, 81, 1171-1182.	4.4	471
3	Extracellular vesicles: lipids as key components of their biogenesis and functions. Journal of Lipid Research, 2018, 59, 1316-1324.	4.2	208
4	Cholesterol and Cancer, in the Balance. Science, 2014, 343, 1445-1446.	12.6	182
5	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, 13520-13525.	7.1	109
6	Dendrogenin A arises from cholesterol and histamine metabolism and shows cell differentiation and anti-tumour properties. Nature Communications, 2013, 4, 1840.	12.8	101
7	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.	7.1	96
8	Tamoxifen and AEBS ligands induced apoptosis and autophagy in breast cancer cells through the stimulation of sterol accumulation. Autophagy, 2009, 5, 1066-1067.	9.1	86
9	Molecular Characterization of the Microsomal Tamoxifen Binding Site. Journal of Biological Chemistry, 2004, 279, 34048-34061.	3.4	84
10	Dendrogenin A drives LXR to trigger lethal autophagy in cancers. Nature Communications, 2017, 8, 1903.	12.8	84
11	Met-195 of the Cholecystokinin-A Receptor Interacts with the Sulfated Tyrosine of Cholecystokinin and Is Crucial for Receptor Transition to High Affinity State. Journal of Biological Chemistry, 1998, 273, 14380-14386.	3.4	71
12	Tamoxifen Is a Potent Inhibitor of Cholesterol Esterification and Prevents the Formation of Foam Cells. Journal of Pharmacology and Experimental Therapeutics, 2004, 308, 1165-1173.	2.5	71
13	Cholesterol epoxide hydrolase and cancer. Current Opinion in Pharmacology, 2012, 12, 696-703.	3.5	71
14	Cholesterol-5,6-epoxides: Chemistry, biochemistry, metabolic fate and cancer. Biochimie, 2013, 95, 622-631.	2.6	69
15	Role of the Extracellular Domains of the Cholecystokinin Receptor in Agonist Binding. Molecular Pharmacology, 1998, 54, 364-371.	2.3	65
16	Signaling through cholesterol esterification: a new pathway for the cholecystokinin 2 receptor involved in cell growth and invasion. Journal of Lipid Research, 2009, 50, 2203-2211.	4.2	64
17	The Biologically Crucial C Terminus of Cholecystokinin and the Non-peptide Agonist SR-146,131 Share a Common Binding Site in the Human CCK1 Receptor. Journal of Biological Chemistry, 2002, 277, 7546-7555.	3.4	63
18	Emerging concepts on the role of exosomes in lipid metabolic diseases. Biochimie, 2014, 96, 67-74.	2.6	62

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19	A Segment of Five Amino Acids in the Second Extracellular Loop of the Cholecystokinin-B Receptor Is Essential for Selectivity of the Peptide Agonist Gastrin. Journal of Biological Chemistry, 1996, 271, 14698-14706.	3.4	58
20	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, 3707-3718.	4.1	56
21	5,6-Epoxy-cholesterols contribute to the anticancer pharmacology of Tamoxifen in breast cancer cells. Biochemical Pharmacology, 2013, 86, 175-189.	4.4	56
22	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, 7765-7777.	6.4	55
23	Mutation of Asn-391 within the Conserved NPXXY Motif of the Cholecystokinin B Receptor Abolishes Gq Protein Activation without Affecting Its Association with the Receptor. Journal of Biological Chemistry, 2000, 275, 17321-17327.	3.4	52
24	Importance of cholesterol and oxysterols metabolism in the pharmacology of tamoxifen and other AEBS ligands. Chemistry and Physics of Lipids, 2011, 164, 432-437.	3.2	51
25	Arginine 197 of the cholecystokininâ€A receptor binding site interacts with the sulfate of the peptide agonist cholecystokinin. Protein Science, 1999, 8, 2347-2354.	7.6	50
26	Auraptene Is an Inhibitor of Cholesterol Esterification and a Modulator of Estrogen Receptors. Molecular Pharmacology, 2010, 78, 827-836.	2.3	50
27	Cholesterol metabolism and resistance to tamoxifen. Current Opinion in Pharmacology, 2012, 12, 683-689.	3.5	49
28	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.	2.5	48
29	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.	4.4	48
30	The Effects of Cholesterol-Derived Oncometabolites on Nuclear Receptor Function in Cancer. Cancer Research, 2018, 78, 4803-4808.	0.9	45
31	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.	4.4	43
32	A new probe for affinity labelling pancreatic cholecystokinin receptor with minor modification of its structure. FEBS Journal, 1989, 185, 397-403.	0.2	42
33	Evidence for a Direct Interaction between the Penultimate Aspartic Acid of Cholecystokinin and Histidine 207, Located in the Second Extracellular Loop of the Cholecystokinin B Receptor. Journal of Biological Chemistry, 1999, 274, 23191-23197.	3.4	42
34	Ligand-induced Internalization of Cholecystokinin Receptors. Journal of Biological Chemistry, 1997, 272, 18179-18184.	3.4	38
35	Surprising unreactivity of cholesterol-5,6-epoxides towards nucleophiles. Journal of Lipid Research, 2012, 53, 718-725.	4.2	36
36	Structure of Cholecystokinin Receptor Binding Sites and Mechanism of Activation/Inactivation by Agonists/Antagonists. Basic and Clinical Pharmacology and Toxicology, 2002, 91, 313-320.	0.0	35

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37	Neutral Sphingomyelinase 2 Heightens Anti-Melanoma Immune Responses and Antiâ€“PD-1 Therapy Efficacy. Cancer Immunology Research, 2021, 9, 568-582.	3.4	30
38	High tumorigenic potential of a constitutively active mutant of the cholecystokinin 2 receptor. Oncogene, 2003, 22, 6081-6089.	5.9	28
39	The 5,6â€epoxycholesterol metabolic pathway in breast cancer: Emergence of new pharmacological targets. British Journal of Pharmacology, 2021, 178, 3248-3260.	5.4	27
40	Antiestrogen-binding site ligands induce autophagy in myeloma cells that proceeds through alteration of cholesterol metabolism. Oncotarget, 2013, 4, 911-922.	1.8	27
41	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, 973-982.	2.3	25
42	Ligand-dependent transcriptional induction of lethal autophagy: A new perspective for cancer treatment. Autophagy, 2018, 14, 555-557.	9.1	25
43	Dendrogenin A: A Mammalian Metabolite of Cholesterol with Tumor Suppressor and Neurostimulating Properties. Current Medicinal Chemistry, 2015, 22, 3533-3549.	2.4	24
44	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.	2.5	22
45	Flavonoids differentially modulate liver X receptors activityâ€"Structure-function relationship analysis. Journal of Steroid Biochemistry and Molecular Biology, 2019, 190, 173-182.	2.5	22
46	The novel steroidal alkaloids dendrogenin A and B promote proliferation of adult neural stem cells. Biochemical and Biophysical Research Communications, 2014, 446, 681-686.	2.1	21
47	From tamoxifen to dendrogenin A: The discovery of a mammalian tumor suppressor and cholesterol metabolite. Biochimie, 2016, 130, 109-114.	2.6	21
48	Chemistry, biochemistry, metabolic fate and mechanism of action of 6-oxo-cholestan-3Î²,5Î±-diol (OCDO), a tumor promoter and cholesterol metabolite. Biochimie, 2018, 153, 139-149.	2.6	21
49	Oxysterols are potential physiological regulators of ageing. Ageing Research Reviews, 2022, 77, 101615.	10.9	21
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, 139-149.	2.5	20
51	When cholesterol meets histamine, it gives rise to dendrogenin A: a tumour suppressor metabolite1. Biochemical Society Transactions, 2016, 44, 631-637.	3.4	17
52	Dendrogenin A Synergizes with Cytarabine to Kill Acute Myeloid Leukemia Cells In Vitro and In Vivo. Cancers, 2020, 12, 1725.	3.7	13
53	Development of a new radioligand for cholecystokinin receptor subtype 2 scintigraphy: From molecular modeling to in vivo evaluation. Bioorganic and Medicinal Chemistry, 2010, 18, 5400-5412.	3.0	12
54	[¹⁸F]Siâ€RiboRGD: From Design and Synthesis to the Imaging of Î±_vÎ²₃â€…Integrins in Melanoma Tumors. ChemPlusChem, 2012, 77, 345-349.	2.8	11

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55	One step synthesis of 6-oxo-cholestan-3Î²,5Î±-diol. Biochemical and Biophysical Research Communications, 2014, 446, 782-785.	2.1	11
56	Dendrogenin A and B two new steroidal alkaloids increasing neural responsiveness in the deafened guinea pig. Frontiers in Aging Neuroscience, 2015, 7, 145.	3.4	11
57	The Third Intracellular Loop of the Rat and Mouse Cholecystokinin-A Receptors Is Responsible for Different Patterns of Gene Activation. Molecular Pharmacology, 2000, 58, 1381-1388.	2.3	10
58	Oxysterols: An expanding family of structurally diversified bioactive steroids. Journal of Steroid Biochemistry and Molecular Biology, 2019, 194, 105443.	2.5	9
59	Natural and semisynthetic oxyprenylated aromatic compounds as stimulators or inhibitors of melanogenesis. Bioorganic Chemistry, 2019, 87, 181-190.	4.1	9
60	Insights into the Cholecystokinin 2 Receptor Binding Site and Processes of Activation. Molecular Pharmacology, 2006, 70, 1935-1945.	2.3	8
61	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, 423-429.	5.5	8
62	Quantitative analysis of the tumor suppressor dendrogenin A using liquid chromatography tandem mass spectrometry. Chemistry and Physics of Lipids, 2017, 207, 81-86.	3.2	8
63	Targeting the liver X receptor with dendrogenin A differentiates tumour cells to secrete immunogenic exosomeâ€enriched vesicles. Journal of Extracellular Vesicles, 2022, 11, e12211.	12.2	8
64	Improvement of 5,6Î±-epoxycholesterol, 5,6Î²-epoxycholesterol, cholestane-3Î²,5Î±,6Î²-triol and 6-oxo-cholestan-3Î²,5Î±-diol recovery for quantification by GC/MS. Chemistry and Physics of Lipids, 2017, 207, 92-98.	3.2	7
65	A fast UPLCâ€"HILIC method for an accurate quantiï¬cation of dendrogenin A in human tissues. Journal of Steroid Biochemistry and Molecular Biology, 2019, 194, 105447.	2.5	7
66	Dendrogenin A Enhances Anti-Leukemic Effect of Anthracycline in Acute Myeloid Leukemia. Cancers, 2020, 12, 2933.	3.7	7
67	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, 482-488.	2.6	1
68	Dendrogenin_A : A Natural Liver X Receptor Modulator for the Treatment of Acute Myeloid Leukemia. Blood, 2014, 124, 3767-3767.	1.4	0