

Nathalie Andrieu-Abadie

List of Publications by Year in descending order

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92
papers

12,716
citations

94433

37
h-index

48315

88
g-index

98
all docs

98
docs citations

98
times ranked

24889
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	9.1	4,701
2	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012, 8, 445-544.	9.1	3,122
3	Daunorubicin-induced apoptosis: triggering of ceramide generation through sphingomyelin hydrolysis. <i>EMBO Journal</i> , 1996, 15, 2417-2424.	7.8	323
4	Glutathione Regulation of Neutral Sphingomyelinase in Tumor Necrosis Factor- α -induced Cell Death. <i>Journal of Biological Chemistry</i> , 1998, 273, 11313-11320.	3.4	317
5	TNF α blockade overcomes resistance to anti-PD-1 in experimental melanoma. <i>Nature Communications</i> , 2017, 8, 2256.	12.8	284
6	Spinal Muscular Atrophy Associated with Progressive Myoclonic Epilepsy Is Caused by Mutations in <i>ASAH1</i> . <i>American Journal of Human Genetics</i> , 2012, 91, 5-14.	6.2	250
7	Ceramide in apoptosis signaling: relationship with oxidative stress. <i>Free Radical Biology and Medicine</i> , 2001, 31, 717-728.	2.9	248
8	The TNF Paradox in Cancer Progression and Immunotherapy. <i>Frontiers in Immunology</i> , 2019, 10, 1818.	4.8	198
9	L-carnitine prevents doxorubicin-induced apoptosis of cardiac myocytes: role of inhibition of ceramide generation. <i>FASEB Journal</i> , 1999, 13, 1501-1510.	0.5	161
10	Sphingomyelin hydrolysis during apoptosis. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2002, 1585, 126-134.	2.4	152
11	Phospholipase A2 Is Necessary for Tumor Necrosis Factor α -induced Ceramide Generation in L929 Cells. <i>Journal of Biological Chemistry</i> , 1997, 272, 17196-17203.	3.4	151
12	Sphingolipids as modulators of cancer cell death: Potential therapeutic targets. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2006, 1758, 2104-2120.	2.6	116
13	The Sphingomyelin-Ceramide Signaling Pathway Is Involved in Oxidized Low Density Lipoprotein-induced Cell Proliferation. <i>Journal of Biological Chemistry</i> , 1996, 271, 19251-19255.	3.4	113
14	Disruption of Sphingosine 1-Phosphate Lyase Confers Resistance to Chemotherapy and Promotes Oncogenesis through Bcl-2/Bcl-xL Upregulation. <i>Cancer Research</i> , 2009, 69, 9346-9353.	0.9	103
15	The natural marine anhydrophyto-sphingosine, Jaspine B, induces apoptosis in melanoma cells by interfering with ceramide metabolism. <i>Biochemical Pharmacology</i> , 2009, 78, 477-485.	4.4	99
16	Evidence against involvement of the acid lysosomal sphingomyelinase in the tumor-necrosis-factor- and interleukin-1-induced sphingomyelin cycle and cell proliferation in human fibroblasts. <i>Biochemical Journal</i> , 1994, 303, 341-345.	3.7	91
17	Resistance of melanoma to immune checkpoint inhibitors is overcome by targeting the sphingosine kinase-1. <i>Nature Communications</i> , 2020, 11, 437.	12.8	89
18	Blocking Tumor Necrosis Factor α Enhances CD8 T-cell-Dependent Immunity in Experimental Melanoma. <i>Cancer Research</i> , 2015, 75, 2619-2628.	0.9	81

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19	Potential Role for Ceramide in Mitogen-activated Protein Kinase Activation and Proliferation of Vascular Smooth Muscle Cells Induced by Oxidized Low Density Lipoprotein. <i>Journal of Biological Chemistry</i> , 1998, 273, 12893-12900.	3.4	79
20	Doxorubicin induces slow ceramide accumulation and late apoptosis in cultured adult rat ventricular myocytes. <i>Cardiovascular Research</i> , 1999, 43, 398-407.	3.8	78
21	Glutathione Peroxidase-1 Protects from CD95-induced Apoptosis. <i>Journal of Biological Chemistry</i> , 2002, 277, 42867-42874.	3.4	77
22	Comparative Study of the Metabolic Pools of Sphingomyelin and Phosphatidylcholine Sensitive to Tumor Necrosis Factor. <i>FEBS Journal</i> , 1996, 236, 738-745.	0.2	71
23	N -Acetylcysteine Prevents the Deleterious Effect of Tumor Necrosis Factor- α on Calcium Transients and Contraction in Adult Rat Cardiomyocytes. <i>Circulation</i> , 2004, 109, 406-411.	1.6	71
24	Acid Ceramidase Expression Modulates the Sensitivity of A375 Melanoma Cells to Dacarbazine. <i>Journal of Biological Chemistry</i> , 2011, 286, 28200-28209.	3.4	71
25	Neutral sphingomyelinase inhibition participates to the benefits of N-acetylcysteine treatment in post-myocardial infarction failing heart rats. <i>Journal of Molecular and Cellular Cardiology</i> , 2007, 43, 344-353.	1.9	70
26	CD40 Signals Apoptosis through FAN-regulated Activation of the Sphingomyelin-Ceramide Pathway. <i>Journal of Biological Chemistry</i> , 1999, 274, 37251-37258.	3.4	64
27	Stress-induced apoptosis is not mediated by endolysosomal ceramide. <i>FASEB Journal</i> , 2000, 14, 36-47.	0.5	63
28	Lysosomal sphingomyelinase is not solicited for apoptosis signaling. <i>FASEB Journal</i> , 2001, 15, 297-299.	0.5	63
29	Lysosomes and lysosomal proteins in cancer cell death (new players of an old struggle). <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2006, 1765, 101-125.	7.4	61
30	Ceramide in apoptosis: a revisited role. <i>Neurochemical Research</i> , 2002, 27, 601-607.	3.3	58
31	<i>PARKIN</i> Inactivation Links Parkinson's Disease to Melanoma. <i>Journal of the National Cancer Institute</i> , 2016, 108, djv340.	6.3	56
32	Apoptosis and Activation of the Sphingomyelin-Ceramide Pathway Induced by Oxidized Low Density Lipoproteins Are Not Causally Related in ECV-304 Endothelial Cells. <i>Journal of Biological Chemistry</i> , 1998, 273, 27389-27395.	3.4	55
33	Combining Nivolumab and Ipilimumab with Infiximab or Certolizumab in Patients with Advanced Melanoma: First Results of a Phase Ib Clinical Trial. <i>Clinical Cancer Research</i> , 2021, 27, 1037-1047.	7.0	55
34	Flexible and enantioselective access to jaspine B and biologically active chain-modified analogues thereof. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 3227.	2.8	49
35	Dual role of sphingosine kinase-1 in promoting the differentiation of dermal fibroblasts and the dissemination of melanoma cells. <i>Oncogene</i> , 2014, 33, 3364-3373.	5.9	48
36	Low Temperatures and Hypertonicity Do Not Block Cytokine-induced Stimulation of the Sphingomyelin Pathway but Inhibit Nuclear Factor- κ B Activation. <i>Journal of Biological Chemistry</i> , 1995, 270, 24518-24524.	3.4	44

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37	The nonlysosomal β -glucosidase GBA2 promotes endoplasmic reticulum stress and impairs tumorigenicity of human melanoma cells. <i>FASEB Journal</i> , 2013, 27, 489-498.	0.5	39
38	Sphingosine kinase 1 expressed by endothelial colony-forming cells has a critical role in their revascularization activity. <i>Cardiovascular Research</i> , 2014, 103, 121-130.	3.8	38
39	Glucosylceramidases and malignancies in mammals. <i>Biochimie</i> , 2016, 125, 267-280.	2.6	36
40	Downregulation of sphingosine kinase-1 induces protective tumor immunity by promoting M1 macrophage response in melanoma. <i>Oncotarget</i> , 2016, 7, 71873-71886.	1.8	35
41	Lysosomal acid ceramidase ASAH1 controls the transition between invasive and proliferative phenotype in melanoma cells. <i>Oncogene</i> , 2019, 38, 1282-1295.	5.9	34
42	Role of FAN in Tumor Necrosis Factor- α and Lipopolysaccharide-induced Interleukin-6 Secretion and Lethality in d-Galactosamine-sensitized Mice. <i>Journal of Biological Chemistry</i> , 2004, 279, 18648-18655.	3.4	32
43	Sphingomyelin-degrading pathways in human cells. <i>Chemistry and Physics of Lipids</i> , 1999, 102, 167-178.	3.2	31
44	Stress-induced apoptosis is impaired in cells with a lysosomal targeting defect but is not affected in cells synthesizing a catalytically inactive cathepsin D. <i>Cell Death and Differentiation</i> , 2003, 10, 1090-1100.	11.2	31
45	Phenotypic and lipidomic characterization of primary human epidermal keratinocytes exposed to simulated solar UV radiation. <i>Journal of Dermatological Science</i> , 2018, 92, 97-105.	1.9	31
46	Lipid metabolic Reprogramming: Role in Melanoma Progression and Therapeutic Perspectives. <i>Cancers</i> , 2020, 12, 3147.	3.7	31
47	Retrovirus-Mediated Correction of the Metabolic Defect in Cultured Farber Disease Cells. <i>Human Gene Therapy</i> , 1999, 10, 1321-1329.	2.7	30
48	Palmitoyl protein thioesterase 1 modulates tumor necrosis factor α -induced apoptosis. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2009, 1793, 1250-1258.	4.1	30
49	Synthesis and biological evaluation of aziridine-containing analogs of phytosphingosine. <i>Tetrahedron</i> , 2011, 67, 2570-2578.	1.9	30
50	Neutral Sphingomyelinase 2 Heightens Anti-Melanoma Immune Responses and Anti-PD-1 Therapy Efficacy. <i>Cancer Immunology Research</i> , 2021, 9, 568-582.	3.4	30
51	Human genetic disorders of sphingolipid biosynthesis. <i>Journal of Inherited Metabolic Disease</i> , 2015, 38, 65-76.	3.6	29
52	Enantioselective access to a versatile 4-oxazolidinonecarbaldehyde and application to the synthesis of a cytotoxic jaspine B truncated analogue. <i>Tetrahedron: Asymmetry</i> , 2007, 18, 857-864.	1.8	26
53	Synthesis of Cytotoxic Aza Analogues of Jaspine B. <i>Journal of Organic Chemistry</i> , 2010, 75, 7920-7923.	3.2	26
54	Monogenic neurological disorders of sphingolipid metabolism. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2015, 1851, 1040-1051.	2.4	25

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55	Targeting the Sphingosine 1-Phosphate Axis Exerts Potent Antitumor Activity in BRAFi-Resistant Melanomas. <i>Molecular Cancer Therapeutics</i> , 2019, 18, 289-300.	4.1	25
56	C-Alkyl 5-membered ring imino sugars as new potent cytotoxic glucosylceramide synthase inhibitors. <i>Organic and Biomolecular Chemistry</i> , 2006, 4, 4437-4439.	2.8	22
57	Sphingomyelin Synthase 1 (SMS1) Downregulation Is Associated With Sphingolipid Reprogramming and a Worse Prognosis in Melanoma. <i>Frontiers in Pharmacology</i> , 2019, 10, 443.	3.5	22
58	Anti-TNF, a magic bullet in cancer immunotherapy?. , 2019, 7, 303.		21
59	Mannose 6-Phosphorylated Proteins Are Required for Tumor Necrosis Factor-induced Apoptosis. <i>Journal of Biological Chemistry</i> , 2004, 279, 52914-52923.	3.4	20
60	Lysosomal Storage Diseases: Is Impaired Apoptosis a Pathogenic Mechanism?. <i>Neurochemical Research</i> , 2004, 29, 871-880.	3.3	20
61	Single- and double-chained truncated jaspine B analogues: asymmetric synthesis, biological evaluation and theoretical study of an unexpected 5-endo-dig process. <i>Tetrahedron</i> , 2011, 67, 4253-4262.	1.9	20
62	The tumour necrosis factor-sensitive pool of sphingomyelin is resynthesized in a distinct compartment of the plasma membrane. <i>Biochemical Journal</i> , 1998, 333, 91-97.	3.7	18
63	Lysosomal Serine Protease CLN2 Regulates Tumor Necrosis Factor- α -mediated Apoptosis in a Bid-dependent Manner. <i>Journal of Biological Chemistry</i> , 2009, 284, 11507-11516.	3.4	18
64	Sphingolipid signalling: molecular basis and role in TNF- α -induced cell death. <i>Expert Reviews in Molecular Medicine</i> , 2002, 4, 1-15.	3.9	17
65	Degradation of fluorescent and radiolabelled sphingomyelins in intact cells by a non-lysosomal pathway. <i>Lipids and Lipid Metabolism</i> , 1995, 1258, 277-287.	2.6	16
66	Caspase-10-Dependent Cell Death in Fas/CD95 Signalling Is Not Abrogated by Caspase Inhibitor zVAD-fmk. <i>PLoS ONE</i> , 2010, 5, e13638.	2.5	16
67	Sphingolipids modulate the epithelial \rightarrow mesenchymal transition in cancer. <i>Cell Death Discovery</i> , 2015, 1, 15001.	4.7	16
68	Highly Regioselective Oxirane Ring \rightarrow Opening of a Versatile Epoxyproline Precursor of New Imino \rightarrow Sugar \rightarrow Based Sphingolipid Mimics. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 2474-2489.	2.4	15
69	New Insights into the Role of Sphingolipid Metabolism in Melanoma. <i>Cells</i> , 2020, 9, 1967.	4.1	15
70	Asymmetric synthesis and cytotoxic activity of isomeric phytosphingosine derivatives. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 8163.	2.8	14
71	The Tricyclodecan-9-yl-xanthogenate D609 Triggers Ceramide Increase and Enhances FasL-Induced Caspase-Dependent and -Independent Cell Death in T Lymphocytes. <i>International Journal of Molecular Sciences</i> , 2012, 13, 8834-8852.	4.1	14
72	Are Glucosylceramide-Related Sphingolipids Involved in the Increased Risk for Cancer in Gaucher Disease Patients? Review and Hypotheses. <i>Cancers</i> , 2020, 12, 475.	3.7	13

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73	Targeting TNF alpha as a novel strategy to enhance CD8 ⁺ T cell-dependent immune response in melanoma?. <i>Oncolmmunology</i> , 2016, 5, e1068495.	4.6	12
74	Ordering of ceramide formation and caspase-9 activation in CD95L-induced Jurkat leukemia T cell apoptosis. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2012, 1821, 684-693.	2.4	11
75	Untargeted lipidomic analysis of primary human epidermal melanocytes acutely and chronically exposed to UV radiation. <i>Molecular Omics</i> , 2018, 14, 170-180.	2.8	11
76	S1P: the elixir of life for naive T cells. <i>Cellular and Molecular Immunology</i> , 2018, 15, 657-659.	10.5	7
77	Liquid Chromatographyâ€“High Resolution Mass Spectrometry Method to Study Sphingolipid Metabolism Changes in Response to CD95L. <i>Methods in Molecular Biology</i> , 2017, 1557, 213-217.	0.9	6
78	Voies de signalisation de lâ€™apoptose mÃ©diÃ©es par les sphingolipides. <i>SociÃ©tÃ© De Biologie Journal</i> , 2003, 197, 217-221.	0.3	5
79	Regulation of cell death by sphingosine 1-phosphate lyase. <i>Autophagy</i> , 2010, 6, 426-427.	9.1	5
80	Is active acid sphingomyelinase required for the antiproliferative response to rituximab?. <i>Blood</i> , 2011, 117, 3695-3696.	1.4	5
81	Alteration of Ceramide 1-O-Functionalization as a Promising Approach for Cancer Therapy. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2012, 12, 316-328.	1.7	5
82	Method to Measure Sphingomyelin Synthase Activity Changes in Response to CD95L. <i>Methods in Molecular Biology</i> , 2017, 1557, 207-212.	0.9	5
83	Basics of Sphingolipid Metabolism and Signalling. , 2015, , 1-20.		4
84	Genetic Disorders of Simple Sphingolipid Metabolism. <i>Handbook of Experimental Pharmacology</i> , 2013, , 127-152.	1.8	3
85	Adipocyte Extracellular Vesicles Decrease p16INK4A in Melanoma: An Additional Link between Obesity and Cancer. <i>Journal of Investigative Dermatology</i> , 2022, 142, 2488-2498.e8.	0.7	3
86	Dysregulation of Sphingolipid Metabolism in Melanoma: Roles in Pigmentation, Cell Survival and Tumor Progression. , 2015, , 123-139.		2
87	La voie sphingomyÃ©line-cÃ©ramide dans la rÃ©ponse cellulaire aux effecteurs anti-tumoraux. <i>Medecine/Sciences</i> , 1996, 12, 1219.	0.2	1
88	Ceramide in Apoptosis:. <i>Molecular Biology Intelligence Unit</i> , 2002, , 73-80.	0.2	1
89	R4: RÃ©le des sphingolipides dans les interactions mÃ©lanome-stroma. <i>Bulletin Du Cancer</i> , 2010, 97, S18.	1.6	0
90	Lysosomal Proteases in Cell Death. , 2009, , 647-669.		0

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91	Le cÃ©ramide Ã l'origine de la cardiotoxicitÃ© de la doxorubicine.. Medecine/Sciences, 1999, 15, 1322.	0.2	0
92	Role of Sphingolipids in Death Receptor Signalling. Resistance To Targeted Anti-cancer Therapeutics, 2017, , 229-245.	0.1	0