Jean-guy Delcros

List of Publications by Year
in descending order

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83 papers	4,423 citations	136740 32 h-index	106150 65 g-index

92 all docs	92 docs citations	92 times ranked	5475 citing authors

#	Article	IF	Citations
1	Development of Polyamine Lassos as Polyamine Transport Inhibitors. ACS Medicinal Chemistry Letters, 2022, 13, 319-326.	1.3	5
2	Targeting netrinâ€3 in small cell lung cancer and neuroblastoma. EMBO Molecular Medicine, 2021, 13, e12878.	3.3	16
3	Blocking SHH/Patched Interaction Triggers Tumor Growth Inhibition through Patched-Induced Apoptosis. Cancer Research, 2020, 80, 1970-1980.	0.4	17
4	Ultrasound molecular imaging as a non-invasive companion diagnostic for netrin-1 interference therapy in breast cancer. Theranostics, 2018, 8, 5126-5142.	4.6	23
5	Molecular characterization of Netrin-1 and APP receptor binding: New leads to block the progression of senile plaques in Alzheimer's disease. Biochemical and Biophysical Research Communications, 2017, 488, 466-470.	1.0	9
6	Non-canonical NOTCH3 signalling limits tumour angiogenesis. Nature Communications, 2017, 8, 16074.	5.8	34
7	Structural decoding of netrin-4 reveals a regulatory function towards mature basement membranes. Nature Communications, 2016, 7, 13515.	5.8	74
8	Inhibition of <scp>DNA</scp> methylation promotes breast tumor sensitivity to netrinâ€1 interference. EMBO Molecular Medicine, 2016, 8, 863-877.	3.3	21
9	Targeting netrinâ€1/<scp>DCC</scp> interaction in diffuse large Bâ€cell and mantle cell lymphomas. EMBO Molecular Medicine, 2016, 8, 96-104.	3.3	19
10	Structural Decoding of the Netrin-1/UNC5 Interaction and its Therapeutical Implications in Cancers. Cancer Cell, 2016, 29, 173-185.	7.7	80
11	Dynamics of MBD2 deposition across methylated DNA regions during malignant transformation of human mammary epithelial cells. Nucleic Acids Research, 2015, 43, 5838-5854.	6.5	19
12	Synthesis, Biological Evaluation and Molecular Modeling of Substituted Indeno[1,2-b]indoles as Inhibitors of Human Protein Kinase CK2. Pharmaceuticals, 2015, 8, 279-302.	1.7	29
13	Abstract 2921: Preclinical characteristics of NP137, a first-in-class monoclonal antibody directed against netrin-1 and inducing dependence receptors-mediated cell death. , 2015, , .		3
14	Sonic Hedgehog Promotes Tumor Cell Survival by Inhibiting CDON Pro-Apoptotic Activity. PLoS Biology, 2013, 11, e1001623.	2.6	53
15	Identification of pVHL as a Novel Substrate for Aurora-A in Clear Cell Renal Cell Carcinoma (ccRCC). PLoS ONE, 2013, 8, e67071.	1.1	8
16	Targeting the Polyamine Transport System with Benzazepine- and Azepine-Polyamine Conjugates. Journal of Medicinal Chemistry, 2010, 53, 7647-7663.	2.9	33
17	Neurotrophin-3 production promotes human neuroblastoma cell survival by inhibiting TrkC-induced apoptosis. Journal of Clinical Investigation, 2010, 120, 850-858.	3.9	61
18	Netrin-1 up-regulation in inflammatory bowel diseases is required for colorectal cancer progression. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 17146-17151.	3.3	101

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19	Inhibition of Endothelial Cell Apoptosis by Netrin-1 during Angiogenesis. Developmental Cell, 2009, 16, 614-620.	3.1	125
20	Effect of spermine conjugation on the interaction of acridine with alternating purineâ€“pyrimidine oligodeoxyribonucleotides studied by CD, fluorescence and absorption spectroscopies. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2008, 69, 1089-1096.	2.0	29
21	Synthesis and cytotoxic activities of usnic acid derivatives. Bioorganic and Medicinal Chemistry, 2008, 16, 6860-6866.	1.4	83
22	Study by optical spectroscopy and molecular dynamics of the interaction of acridineâ€“spermine conjugate with DNA. Biophysical Chemistry, 2008, 133, 54-65.	1.5	24
23	Designing the Polyamine Pharmacophore: Influence of N-Substituents on the Transport Behavior of Polyamine Conjugates. Journal of Medicinal Chemistry, 2008, 51, 2551-2560.	2.9	17
24	Aurora-A kinase Ser349 phosphorylation is required during Xenopus laevis oocyte maturation. Developmental Biology, 2008, 317, 523-530.	0.9	17
25	A Drosophila Model To Identify Polyamineâ”Drug Conjugates That Target the Polyamine Transporter in an Intact Epithelium. Journal of Medicinal Chemistry, 2008, 51, 324-330.	2.9	20
26	A Comparison of Chloroambucil- and Xylene-Containing Polyamines Leads to Improved Ligands for Accessing the Polyamine Transport System. Journal of Medicinal Chemistry, 2008, 51, 1393-1401.	2.9	30
27	F14512, a Potent Antitumor Agent Targeting Topoisomerase II Vectored into Cancer Cells via the Polyamine Transport System. Cancer Research, 2008, 68, 9845-9853.	0.4	84
28	Effects of the Aurora kinase inhibitor VX-680 on anaplastic thyroid cancer-derived cell lines. Endocrine-Related Cancer, 2008, 15, 559-568.	1.6	57
29	Transforming acidic coiled-coil 3 and Aurora-A interact in human thyrocytes and their expression is deregulated in thyroid cancer tissues. Endocrine-Related Cancer, 2007, 14, 827-837.	1.6	46
30	Structure-activity investigations of polyamine-anthracene conjugates and their uptake via the polyamine transporter. Amino Acids, 2007, 33, 305-313.	1.2	64
31	Modeling the Preferred Shapes of Polyamine Transporter Ligands and Dihydromotuporamine-C Mimics:Â Shovel versus Hoe. Journal of Medicinal Chemistry, 2006, 49, 2407-2416.	2.9	16
32	Effect of Polyamine Homologation on the Transport and Biological Properties of Heterocyclic Amidines. Journal of Medicinal Chemistry, 2006, 49, 232-245.	2.9	35
33	In Vivo Antitumor Activity of Clitocine, an Exocyclic Amino Nucleoside Isolated fromLepista inversa. ChemMedChem, 2006, 1, 189-196.	1.6	22
34	Expression of Aurora kinases in human thyroid carcinoma cell lines and tissues. International Journal of Cancer, 2006, 119, 275-282.	2.3	94
35	Dynactin targets Pavarotti-KLP to the central spindle during anaphase and facilitates cytokinesis in Drosophila S2 cells. Journal of Cell Science, 2006, 119, 4431-4441.	1.2	13
36	Intercalation and groove binding of an acridineâ€“spermine conjugate on DNA sequences: an FTâ€“Raman and UVâ€“visible absorption study. Journal of Molecular Structure, 2005, 744-747, 699-704.	1.8	13

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37	Antioxidative properties of natural polyamines and dimethylsilane analogues. Redox Report, 2005, 10, 9-18.	1.4	33
38	Phosphorylation of Maskin by Aurora-A Participates in the Control of Sequential Protein Synthesis during Xenopus laevis Oocyte Maturation. Journal of Biological Chemistry, 2005, 280, 13415-13423.	1.6	51
39	Identification of the Leukemia Inhibitory Factor Cell Targets Within the Rat Testis. Biology of Reproduction, 2005, 72, 602-611.	1.2	24
40	Synthesis and Biological Evaluation of Dihydromotuporamine Derivatives in Cells Containing Active Polyamine Transporters. Journal of Medicinal Chemistry, 2005, 48, 3832-3839.	2.9	32
41	Retro Hydrazino-azapeptoids as Peptidomimetics of Proteasome Inhibitors. Journal of Medicinal Chemistry, 2005, 48, 330-334.	2.9	38
42	Cytotoxic Activity of Compounds from the Lichen:Cladonia convoluta. Planta Medica, 2004, 70, 874-877.	0.7	97
43	Polyamine modulation of iron uptake in CHO cells. Biochemical Pharmacology, 2004, 67, 1629-1637.	2.0	36
44	N-Substituent Effects in the Selective Delivery of Polyamine Conjugates into Cells Containing Active Polyamine Transporters. Journal of Medicinal Chemistry, 2004, 47, 6055-6069.	2.9	74
45	Immunohistochemical analysis of tumor polyamines discriminates high-risk patients undergoing nephrectomy for renal cell carcinoma. Human Pathology, 2004, 35, 1279-1284.	1.1	19
46	Atmospheric pressure chemical ionization-mass spectrometry method to improve the determination of dansylated polyamines. Analytical Biochemistry, 2003, 318, 212-220.	1.1	41
47	Hydrazino-aza and N -azapeptoids with therapeutic potential as anticancer agents. Bioorganic and Medicinal Chemistry, 2003, 11, 4881-4889.	1.4	18
48	Synthesis and Biological Evaluation of N-(Anthracen-9-ylmethyl)triamines as Molecular Recognition Elements for the Polyamine Transporter. Journal of Medicinal Chemistry, 2003, 46, 2663-2671.	2.9	98
49	Molecular Requirements for Targeting the Polyamine Transport System. Synthesis and Biological Evaluation of Polyamineâ"Anthracene Conjugates. Journal of Medicinal Chemistry, 2003, 46, 2672-2682.	2.9	88
50	Defining the Molecular Requirements for the Selective Delivery of Polyamine Conjugates into Cells Containing Active Polyamine Transporters. Journal of Medicinal Chemistry, 2003, 46, 5129-5138.	2.9	97
51	Glypican-1 Is a Vehicle for Polyamine Uptake in Mammalian Cells. Journal of Biological Chemistry, 2003, 278, 47181-47189.	1.6	143
52	Toxicity and Antitumor Activity of a Crude Extract from Lepista inversa (Scop.:Fr.) Pat. (Agaricomycetideae): A Preliminary Study. International Journal of Medicinal Mushrooms, 2003, 5, 25-30.	0.9	5
53	Alteration of intestinal putrescine uptake in tumour-bearing rats. International Journal of Oncology, 2002, 21, 569.	1.4	2
54	Effect of Spermine Conjugation on the Cytotoxicity and Cellular Transport of Acridine. Journal of Medicinal Chemistry, 2002, 45, 5098-5111.	2.9	88

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55	A simple assay for the measurement of plasma antioxidant status using spontaneous autoxidation of homovanillic acid. Journal of Pharmacological and Toxicological Methods, 2002, 47, 33-43.	0.3	11
56	(Z)-1,4-Diamino-2-butene as a vector of boron, fluorine, or iodine for cancer therapy and imaging: synthesis and biological evaluation. Bioorganic and Medicinal Chemistry, 2002, 10, 2863-2871.	1.4	21
57	N-Benzylpolyamines as Vectors of Boron and Fluorine for Cancer Therapy and Imaging:Â Synthesis and Biological Evaluation. Journal of Medicinal Chemistry, 2001, 44, 3653-3664.	2.9	38
58	Creation of New Boronâ€“Carbon Bonds by Dichlorocarbene Insertion into the Boronâ€“Hydrogen Bond of Amineâ€“ and Phosphineâ€“Boranes. Tetrahedron, 2000, 56, 6039-6046.	1.0	39
59	Induction of Fos protein expression in spinal cord neurons of tumour-bearing rats. British Journal of Cancer, 1999, 80, 1512-1517.	2.9	9
60	Molecular analysis of the combining site of a monoclonal antibody against spermine. Molecular Immunology, 1999, 36, 93-102.	1.0	4
61	Polyamine deprivation alters formalin-induced hyperalgesia and decreases morphine efficacy. Life Sciences, 1999, 65, 2175-2183.	2.0	4
62	Bgugaine, a pyrrolidine alkaloid from Arisarum vulgare, is a strong hepatotoxin in rat and human liver cell cultures. Toxicology Letters, 1999, 104, 239-248.	0.4	30
63	Ribavirin inhibits protein synthesis and cell proliferation induced by mitogenic factors in primary human and rat hepatocytes. Hepatology, 1998, 27, 1687-1694.	3.6	24
64	Solid phase organic synthesis of polyamine derivatives and initial biological evaluation of their antitumoral activity. Bioorganic and Medicinal Chemistry Letters, 1998, 8, 635-640.	1.0	31
65	Polyamine sulfonamides with NMDA antagonist properties are potent calmodulin antagonists and cytotoxic agents. International Journal of Biochemistry and Cell Biology, 1998, 30, 393-406.	1.2	22
66	79 Molecular analyses of the combining site of the anti-spermine monoclonal antibody Spm8-2. Biochemical Society Transactions, 1998, 26, S368-S368.	1.6	0
67	89 Polyamine-antibody interactions: A conserved binding site motif. Biochemical Society Transactions, 1998, 26, S375-S375.	1.6	1
68	Chemical Features of the Protein Kinase CK2 Polyamine Binding Site,. Biochemistry, 1997, 36, 1242-1250.	1.2	57
69	Polyamine deprivation prevents the development of tumour-induced immune suppression. British Journal of Cancer, 1997, 76, 365-370.	2.9	32
70	Biochemical and Cellular Effects of Roscovitine, a Potent and Selective Inhibitor of the Cyclin-Dependent Kinases cdc2, cdk2 and cdk5. FEBS Journal, 1997, 243, 527-536.	0.2	1,215
71	Human monocyteâ€derived macrophages and dendritic cells are comparably effective in vitro in presenting HLA class Iâ€restricted exogenous peptides. Immunology, 1997, 91, 635-642.	2.0	39
72	Flow cytometric analysis of in vivo polyamine deprivation in Lewis lung carcinoma (3LL) cells using the monoclonal antibody SPM8-2. , 1997, 27, 255-261.		7

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73	Polyamine transport in mammalian cells. An update. International Journal of Biochemistry and Cell Biology, 1996, 28, 843-861.	1.2	338
74	Polyamine deprivation provokes an antalgic effect. Life Sciences, 1996, 58, 2209-2215.	2.0	19
75	High levels of spermine in IVF medium as a negative predictor of subsequent success of embryo transfer. Journal of Assisted Reproduction and Genetics, 1996, 13, 464-467.	1.2	1
76	Molecular Requirements for Polyamines Binding to the Antispermine Monoclonal Antibody Spm8-2. Hybridoma, 1996, 15, 177-183.	0.9	10
77	Differential recognition of free and covalently bound polyamines by the monoclonal anti-spermine antibody SPM8-2. Journal of Immunological Methods, 1995, 185, 191-198.	0.6	13
78	Immunization of Rabbits with Spermine Induces Antibodies to Self Antigens. International Archives of Allergy and Immunology, 1993, 102, 46-55.	0.9	7
79	A novel covalent enzyme-linked immunoassay (CELIA) for simultaneously measuring free and immune complex bound antibodies of defined specificity I. Application to naturally occurring antipolyamine antibodies in human sera. Journal of Immunological Methods, 1990, 133, 1-11.	0.6	19
80	Protein-bound polyamines in the plasma of mice grafted with the Lewis lung carcinoma. FEBS Letters, 1987, 220, 236-242.	1.3	7
81	Transglutaminase activity and putrescine-binding capacity in cloned cell lines with different metastatic potential. FEBS Letters, 1986, 196, 325-330.	1.3	17
82	A quantitative and qualitative study of the transglutaminase-mediated insertion of polyamines into plasma proteins from patients with bronchopulmonary cancer. International Journal of Cancer, 1984, 33, 787-793.	2.3	6
83	The competitive inhibition of tissue transglutaminase by Î±-difluoromethylornithine. FEBS Letters, 1984, 171, 221-226.	1.3	16