

Jean-guy Delcros

List of Publications by Year in descending order

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83
papers

4,423
citations

136740

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106150

65
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92
all docs

92
docs citations

92
times ranked

5475
citing authors

#	ARTICLE	IF	CITATIONS
1	Biochemical and Cellular Effects of Roscovitine, a Potent and Selective Inhibitor of the Cyclin-Dependent Kinases cdc2, cdk2 and cdk5. <i>FEBS Journal</i> , 1997, 243, 527-536.	0.2	1,215
2	Polyamine transport in mammalian cells. An update. <i>International Journal of Biochemistry and Cell Biology</i> , 1996, 28, 843-861.	1.2	338
3	Glypican-1 Is a Vehicle for Polyamine Uptake in Mammalian Cells. <i>Journal of Biological Chemistry</i> , 2003, 278, 47181-47189.	1.6	143
4	Inhibition of Endothelial Cell Apoptosis by Netrin-1 during Angiogenesis. <i>Developmental Cell</i> , 2009, 16, 614-620.	3.1	125
5	Netrin-1 up-regulation in inflammatory bowel diseases is required for colorectal cancer progression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 17146-17151.	3.3	101
6	Synthesis and Biological Evaluation of N-(Anthracen-9-ylmethyl)triamines as Molecular Recognition Elements for the Polyamine Transporter. <i>Journal of Medicinal Chemistry</i> , 2003, 46, 2663-2671.	2.9	98
7	Defining the Molecular Requirements for the Selective Delivery of Polyamine Conjugates into Cells Containing Active Polyamine Transporters. <i>Journal of Medicinal Chemistry</i> , 2003, 46, 5129-5138.	2.9	97
8	Cytotoxic Activity of Compounds from the Lichen: <i>Cladonia convoluta</i> . <i>Planta Medica</i> , 2004, 70, 874-877.	0.7	97
9	Expression of Aurora kinases in human thyroid carcinoma cell lines and tissues. <i>International Journal of Cancer</i> , 2006, 119, 275-282.	2.3	94
10	Effect of Spermine Conjugation on the Cytotoxicity and Cellular Transport of Acridine. <i>Journal of Medicinal Chemistry</i> , 2002, 45, 5098-5111.	2.9	88
11	Molecular Requirements for Targeting the Polyamine Transport System. Synthesis and Biological Evaluation of Polyamine- α -Anthracene Conjugates. <i>Journal of Medicinal Chemistry</i> , 2003, 46, 2672-2682.	2.9	88
12	F14512, a Potent Antitumor Agent Targeting Topoisomerase II Vected into Cancer Cells via the Polyamine Transport System. <i>Cancer Research</i> , 2008, 68, 9845-9853.	0.4	84
13	Synthesis and cytotoxic activities of usnic acid derivatives. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 6860-6866.	1.4	83
14	Structural Decoding of the Netrin-1/UNC5 Interaction and its Therapeutical Implications in Cancers. <i>Cancer Cell</i> , 2016, 29, 173-185.	7.7	80
15	N-Substituent Effects in the Selective Delivery of Polyamine Conjugates into Cells Containing Active Polyamine Transporters. <i>Journal of Medicinal Chemistry</i> , 2004, 47, 6055-6069.	2.9	74
16	Structural decoding of netrin-4 reveals a regulatory function towards mature basement membranes. <i>Nature Communications</i> , 2016, 7, 13515.	5.8	74
17	Structure-activity investigations of polyamine-anthracene conjugates and their uptake via the polyamine transporter. <i>Amino Acids</i> , 2007, 33, 305-313.	1.2	64
18	Neurotrophin-3 production promotes human neuroblastoma cell survival by inhibiting TrkC-induced apoptosis. <i>Journal of Clinical Investigation</i> , 2010, 120, 850-858.	3.9	61

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19	Chemical Features of the Protein Kinase CK2 Polyamine Binding Site., <i>Biochemistry</i> , 1997, 36, 1242-1250.	1.2	57
20	Effects of the Aurora kinase inhibitor VX-680 on anaplastic thyroid cancer-derived cell lines. <i>Endocrine-Related Cancer</i> , 2008, 15, 559-568.	1.6	57
21	Sonic Hedgehog Promotes Tumor Cell Survival by Inhibiting CDON Pro-Apoptotic Activity. <i>PLoS Biology</i> , 2013, 11, e1001623.	2.6	53
22	Phosphorylation of Maskin by Aurora-A Participates in the Control of Sequential Protein Synthesis during <i>Xenopus laevis</i> Oocyte Maturation. <i>Journal of Biological Chemistry</i> , 2005, 280, 13415-13423.	1.6	51
23	Transforming acidic coiled-coil 3 and Aurora-A interact in human thyrocytes and their expression is deregulated in thyroid cancer tissues. <i>Endocrine-Related Cancer</i> , 2007, 14, 827-837.	1.6	46
24	Atmospheric pressure chemical ionization-mass spectrometry method to improve the determination of dansylated polyamines. <i>Analytical Biochemistry</i> , 2003, 318, 212-220.	1.1	41
25	Human monocyte-derived macrophages and dendritic cells are comparably effective in vitro in presenting HLA class II-restricted exogenous peptides. <i>Immunology</i> , 1997, 91, 635-642.	2.0	39
26	Creation of New Boron-Carbon Bonds by Dichlorocarbene Insertion into the Boron-Hydrogen Bond of Amine and Phosphine-Boranes. <i>Tetrahedron</i> , 2000, 56, 6039-6046.	1.0	39
27	N-Benzylpolyamines as Vectors of Boron and Fluorine for Cancer Therapy and Imaging: Synthesis and Biological Evaluation. <i>Journal of Medicinal Chemistry</i> , 2001, 44, 3653-3664.	2.9	38
28	Retro Hydrazino-azapeptoids as Peptidomimetics of Proteasome Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2005, 48, 330-334.	2.9	38
29	Polyamine modulation of iron uptake in CHO cells. <i>Biochemical Pharmacology</i> , 2004, 67, 1629-1637.	2.0	36
30	Effect of Polyamine Homologation on the Transport and Biological Properties of Heterocyclic Amidines. <i>Journal of Medicinal Chemistry</i> , 2006, 49, 232-245.	2.9	35
31	Non-canonical NOTCH3 signalling limits tumour angiogenesis. <i>Nature Communications</i> , 2017, 8, 16074.	5.8	34
32	Antioxidative properties of natural polyamines and dimethylsilane analogues. <i>Redox Report</i> , 2005, 10, 9-18.	1.4	33
33	Targeting the Polyamine Transport System with Benzazepine- and Azepine-Polyamine Conjugates. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 7647-7663.	2.9	33
34	Polyamine deprivation prevents the development of tumour-induced immune suppression. <i>British Journal of Cancer</i> , 1997, 76, 365-370.	2.9	32
35	Synthesis and Biological Evaluation of Dihydromotuporamine Derivatives in Cells Containing Active Polyamine Transporters. <i>Journal of Medicinal Chemistry</i> , 2005, 48, 3832-3839.	2.9	32
36	Solid phase organic synthesis of polyamine derivatives and initial biological evaluation of their antitumoral activity. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1998, 8, 635-640.	1.0	31

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37	Bgugaine, a pyrrolidine alkaloid from <i>Arisarum vulgare</i> , is a strong hepatotoxin in rat and human liver cell cultures. <i>Toxicology Letters</i> , 1999, 104, 239-248.	0.4	30
38	A Comparison of Chloroambucil- and Xylene-Containing Polyamines Leads to Improved Ligands for Accessing the Polyamine Transport System. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 1393-1401.	2.9	30
39	Effect of spermine conjugation on the interaction of acridine with alternating purine-pyrimidine oligodeoxyribonucleotides studied by CD, fluorescence and absorption spectroscopies. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2008, 69, 1089-1096.	2.0	29
40	Synthesis, Biological Evaluation and Molecular Modeling of Substituted Indeno[1,2-b]indoles as Inhibitors of Human Protein Kinase CK2. <i>Pharmaceuticals</i> , 2015, 8, 279-302.	1.7	29
41	Ribavirin inhibits protein synthesis and cell proliferation induced by mitogenic factors in primary human and rat hepatocytes. <i>Hepatology</i> , 1998, 27, 1687-1694.	3.6	24
42	Identification of the Leukemia Inhibitory Factor Cell Targets Within the Rat Testis. <i>Biology of Reproduction</i> , 2005, 72, 602-611.	1.2	24
43	Study by optical spectroscopy and molecular dynamics of the interaction of acridine-spermine conjugate with DNA. <i>Biophysical Chemistry</i> , 2008, 133, 54-65.	1.5	24
44	Ultrasound molecular imaging as a non-invasive companion diagnostic for netrin-1 interference therapy in breast cancer. <i>Theranostics</i> , 2018, 8, 5126-5142.	4.6	23
45	Polyamine sulfonamides with NMDA antagonist properties are potent calmodulin antagonists and cytotoxic agents. <i>International Journal of Biochemistry and Cell Biology</i> , 1998, 30, 393-406.	1.2	22
46	In Vivo Antitumor Activity of Clitocine, an Exocyclic Amino Nucleoside Isolated from <i>Lepista inversa</i> . <i>ChemMedChem</i> , 2006, 1, 189-196.	1.6	22
47	(Z)-1,4-Diamino-2-butene as a vector of boron, fluorine, or iodine for cancer therapy and imaging: synthesis and biological evaluation. <i>Bioorganic and Medicinal Chemistry</i> , 2002, 10, 2863-2871.	1.4	21
48	Inhibition of DNA methylation promotes breast tumor sensitivity to netrin-1 interference. <i>EMBO Molecular Medicine</i> , 2016, 8, 863-877.	3.3	21
49	A <i>Drosophila</i> Model To Identify Polyamine-Drug Conjugates That Target the Polyamine Transporter in an Intact Epithelium. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 324-330.	2.9	20
50	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. <i>Journal of Immunological Methods</i> , 1990, 133, 1-11.	0.6	19
51	Polyamine deprivation provokes an antalgic effect. <i>Life Sciences</i> , 1996, 58, 2209-2215.	2.0	19
52	Immunohistochemical analysis of tumor polyamines discriminates high-risk patients undergoing nephrectomy for renal cell carcinoma. <i>Human Pathology</i> , 2004, 35, 1279-1284.	1.1	19
53	Dynamics of MBD2 deposition across methylated DNA regions during malignant transformation of human mammary epithelial cells. <i>Nucleic Acids Research</i> , 2015, 43, 5838-5854.	6.5	19
54	Targeting netrin-1/DCC interaction in diffuse large B-cell and mantle cell lymphomas. <i>EMBO Molecular Medicine</i> , 2016, 8, 96-104.	3.3	19

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55	Hydrazino-aza and N -azapeptoids with therapeutic potential as anticancer agents. <i>Bioorganic and Medicinal Chemistry</i> , 2003, 11, 4881-4889.	1.4	18
56	Transglutaminase activity and putrescine-binding capacity in cloned cell lines with different metastatic potential. <i>FEBS Letters</i> , 1986, 196, 325-330.	1.3	17
57	Designing the Polyamine Pharmacophore: Influence of N-Substituents on the Transport Behavior of Polyamine Conjugates. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 2551-2560.	2.9	17
58	Aurora-A kinase Ser349 phosphorylation is required during <i>Xenopus laevis</i> oocyte maturation. <i>Developmental Biology</i> , 2008, 317, 523-530.	0.9	17
59	Blocking SHH/Patched Interaction Triggers Tumor Growth Inhibition through Patched-Induced Apoptosis. <i>Cancer Research</i> , 2020, 80, 1970-1980.	0.4	17
60	The competitive inhibition of tissue transglutaminase by Î±-difluoromethylornithine. <i>FEBS Letters</i> , 1984, 171, 221-226.	1.3	16
61	Modeling the Preferred Shapes of Polyamine Transporter Ligands and Dihydromotuporamine-C Mimics:Â Shovel versus Hoe. <i>Journal of Medicinal Chemistry</i> , 2006, 49, 2407-2416.	2.9	16
62	Targeting netrinâ€³ in small cell lung cancer and neuroblastoma. <i>EMBO Molecular Medicine</i> , 2021, 13, e12878.	3.3	16
63	Differential recognition of free and covalently bound polyamines by the monoclonal anti-spermine antibody SPM8-2. <i>Journal of Immunological Methods</i> , 1995, 185, 191-198.	0.6	13
64	Intercalation and groove binding of an acridineâ€“spermine conjugate on DNA sequences: an FTâ€“Raman and UVâ€“visible absorption study. <i>Journal of Molecular Structure</i> , 2005, 744-747, 699-704.	1.8	13
65	Dynactin targets Pavarotti-KLP to the central spindle during anaphase and facilitates cytokinesis in <i>Drosophila</i> S2 cells. <i>Journal of Cell Science</i> , 2006, 119, 4431-4441.	1.2	13
66	A simple assay for the measurement of plasma antioxidant status using spontaneous autoxidation of homovanillic acid. <i>Journal of Pharmacological and Toxicological Methods</i> , 2002, 47, 33-43.	0.3	11
67	Molecular Requirements for Polyamines Binding to the Antispermine Monoclonal Antibody Spm8-2. <i>Hybridoma</i> , 1996, 15, 177-183.	0.9	10
68	Induction of Fos protein expression in spinal cord neurons of tumour-bearing rats. <i>British Journal of Cancer</i> , 1999, 80, 1512-1517.	2.9	9
69	Molecular characterization of Netrin-1 and APP receptor binding: New leads to block the progression of senile plaques in Alzheimer's disease. <i>Biochemical and Biophysical Research Communications</i> , 2017, 488, 466-470.	1.0	9
70	Identification of pVHL as a Novel Substrate for Aurora-A in Clear Cell Renal Cell Carcinoma (ccRCC). <i>PLoS ONE</i> , 2013, 8, e67071.	1.1	8
71	Protein-bound polyamines in the plasma of mice grafted with the Lewis lung carcinoma. <i>FEBS Letters</i> , 1987, 220, 236-242.	1.3	7
72	Immunization of Rabbits with Spermine Induces Antibodies to Self Antigens. <i>International Archives of Allergy and Immunology</i> , 1993, 102, 46-55.	0.9	7

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73	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
74	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
75	Toxicity and Antitumor Activity of a Crude Extract from <i>Lepista inversa</i> (Scop.:Fr.) Pat. (Agaricomycetideae): A Preliminary Study. International Journal of Medicinal Mushrooms, 2003, 5, 25-30.	0.9	5
76	Development of Polyamine Lassos as Polyamine Transport Inhibitors. ACS Medicinal Chemistry Letters, 2022, 13, 319-326.	1.3	5
77	Molecular analysis of the combining site of a monoclonal antibody against spermine. Molecular Immunology, 1999, 36, 93-102.	1.0	4
78	Polyamine deprivation alters formalin-induced hyperalgesia and decreases morphine efficacy. Life Sciences, 1999, 65, 2175-2183.	2.0	4
79	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
80	Alteration of intestinal putrescine uptake in tumour-bearing rats. International Journal of Oncology, 2002, 21, 569.	1.4	2
81	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
82	89 Polyamine-antibody interactions: A conserved binding site motif. Biochemical Society Transactions, 1998, 26, S375-S375.	1.6	1
83	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