

Dominique Dp Ploton

List of Publications by Year in descending order

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74
papers

2,771
citations

236925

25
h-index

175258

52
g-index

82
all docs

82
docs citations

82
times ranked

2104
citing authors

#	ARTICLE	IF	CITATIONS
1	Relationships between the structural and functional organization of the turtle cell nucleolus. Journal of Structural Biology, 2019, 208, 107398.	2.8	4
2	Electron tomography reveals changes in spatial distribution of UBTF1 and UBTF2 isoforms within nucleolar components during rRNA synthesis inhibition. Journal of Structural Biology, 2019, 208, 191-204.	2.8	4
3	Various Nucleolar Stress Inducers Result in Highly Distinct Changes in Water, Dry Mass and Elemental Content in Cancerous Cell Compartments: Investigation Using a Nano-Analytical Approach. Nanotheranostics, 2019, 3, 179-195.	5.2	3
4	Nucleolar sub-compartments in motion during rRNA synthesis inhibition: Contraction of nucleolar condensed chromatin and gathering of fibrillar centers are concomitant. PLoS ONE, 2017, 12, e0187977.	2.5	18
5	Stage-Specific Changes in the Water, Na ⁺ , Cl ⁻ and K ⁺ Contents of Organelles during Apoptosis, Demonstrated by a Targeted Cryo Correlative Analytical Approach. PLoS ONE, 2016, 11, e0148727.	2.5	18
6	Shrinkage of freeze-dried cryosections of cells: Investigations by EFTEM and cryo-CLEM. Micron, 2016, 88, 77-83.	2.2	6
7	The elastin peptide (VGVAPG) ₃ induces the 3D reorganisation of PML-NBs and SC35 speckles architecture, and accelerates proliferation of fibroblasts and melanoma cells. Histochemistry and Cell Biology, 2015, 143, 245-258.	1.7	8
8	Targeted Nano Analysis of Water and Ions in the Nucleus Using Cryo-Correlative Microscopy. Methods in Molecular Biology, 2015, 1228, 145-158.	0.9	4
9	Encapsulated Ruthenium(II) Complexes in Biocompatible Poly(<i>ε</i> -lactide- <i>co</i> - <i>ε</i> -glycolide) Nanoparticles for Application in Photodynamic Therapy. ChemPlusChem, 2014, 79, 171-180.	2.8	39
10	Changes to cellular water and element content induced by nucleolar stress: investigation by a cryo-correlative nano-imaging approach. Cellular and Molecular Life Sciences, 2013, 70, 2383-2394.	5.4	29
11	Targeted nano analysis of water and ions using cryocorrelative light and scanning transmission electron microscopy. Journal of Structural Biology, 2012, 180, 352-361.	2.8	7
12	Elastin Peptides Signaling Relies on Neuraminidase-1-Dependent Lactosylceramide Generation. PLoS ONE, 2010, 5, e14010.	2.5	43
13	Localization of Nopp140 within mammalian cells during interphase and mitosis. Histochemistry and Cell Biology, 2009, 132, 129-140.	1.7	20
14	Tomography of the cell nucleus using confocal microscopy and medium voltage electron microscopy. Critical Reviews in Oncology/Hematology, 2009, 69, 127-143.	4.4	5
15	Lumican core protein inhibits melanoma cell migration via alterations of focal adhesion complexes. Cancer Letters, 2009, 283, 92-100.	7.2	61
16	Localization of Nopp140 within mammalian cells during interphase and mitosis. , 2009, 132, 129.		1
17	Prognostic value of a proliferation index including MIB1 and argyrophilic nucleolar organizer regions proteins in node-negative breast cancer. American Journal of Obstetrics and Gynecology, 2008, 199, 146.e1-146.e7.	1.3	7
18	A protocol for studying the kinetics of RNA within cultured cells: application to ribosomal RNA. Nature Protocols, 2008, 3, 1997-2004.	12.0	9

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19	Isolation of Nucleoli from Ehrlich Ascites Tumor Cells and Dynamics of Nascent RNA within Isolated Nucleoli. <i>Methods in Molecular Biology</i> , 2008, 463, 111-121.	0.9	0
20	Deletion 2q36.2q36.3 with multiple renal cysts and severe mental retardation. <i>European Journal of Medical Genetics</i> , 2008, 51, 598-607.	1.3	9
21	Three-Dimensional Reconstruction of Nucleolar Components by Electron Microscope Tomography. <i>Methods in Molecular Biology</i> , 2008, 463, 137-158.	0.9	2
22	Visualizing Macromolecules with Fluorogold: From Photon Microscopy to Electron Tomography. <i>Methods in Cell Biology</i> , 2007, 79, 559-574.	1.1	17
23	Pleomorphic Hyalinizing Angiectatic Tumor of Soft Parts: Ultrastructural Analysis of a Case with Original Features. <i>Ultrastructural Pathology</i> , 2006, 30, 59-64.	0.9	25
24	Structural and Functional Organization of Ribosomal Genes within the Mammalian Cell Nucleolus. <i>Journal of Histochemistry and Cytochemistry</i> , 2006, 54, 131-145.	2.5	71
25	Electron tomography of amplified nanogold immunolabelling: Improvement of quality based on alignment of projections with sinograms and use of post-reconstruction deconvolution. <i>Journal of Structural Biology</i> , 2006, 156, 421-431.	2.8	7
26	Hereditary sensory neuropathy with spastic paraplegia. <i>European Journal of Paediatric Neurology</i> , 2004, 8, 95-99.	1.6	9
27	Cell-cycle-dependent three-dimensional redistribution of nuclear proteins, P 120, pKi-67, and SC 35 splicing factor, in the presence of the topoisomerase I inhibitor camptothecin. <i>Experimental Cell Research</i> , 2003, 291, 176-188.	2.6	10
28	Three-dimensional Organization of pKi-67: A Comparative Fluorescence and Electron Tomography Study Using Fluorogold. <i>Journal of Histochemistry and Cytochemistry</i> , 2003, 51, 1411-1423.	2.5	33
29	Distinctive alterations of invasiveness, drug resistance and cell-cell organization in 3D-cultures of MCF-7, a human breast cancer cell line, and its multidrug resistant variant. <i>Clinical and Experimental Metastasis</i> , 2002, 19, 161-167.	3.3	122
30	Three-dimensional organization of active rRNA genes within the nucleolus. <i>Journal of Cell Science</i> , 2002, 115, 3297-3307.	2.0	79
31	Three-dimensional organization of active rRNA genes within the nucleolus. <i>Journal of Cell Science</i> , 2002, 115, 3297-307.	2.0	71
32	Spatial dynamics of rRNAs. <i>Trends in Cell Biology</i> , 2001, 11, 147.	7.9	1
33	Dynamics and three-dimensional localization of ribosomal RNA within the nucleolus. <i>Rna</i> , 2000, 6, 1750-1761.	3.5	57
34	Proliferation assessment in breast cancer: a double-staining technique for AgNOR quantification in MIB-1 positive cells especially adapted for image cytometry. <i>Micron</i> , 2000, 31, 151-159.	2.2	24
35	Textural Analysis of Nuclear Mitotic Apparatus Antigen (NuMA) Spatial Distribution in Interphase Nuclei from Human Drug-Resistant CEM Lymphoblasts. <i>Analytical Cellular Pathology</i> , 1999, 18, 175-181.	2.1	4
36	Characterization of intracellular pH gradients in human multidrug-resistant tumor cells by means of scanning microspectrofluorometry and dual-emission-ratio probes. <i>International Journal of Cancer</i> , 1999, 81, 81-89.	5.1	46

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37	Nuclear transport as an ultimate step of multidrug resistance. Life Sciences, 1999, 65, 2343-2349.	4.3	7
38	The Three-dimensional Study of Chromosomes and Upstream Binding Factor-immunolabeled Nucleolar Organizer Regions Demonstrates Their Nonrandom Spatial Arrangement during Mitosis. Molecular Biology of the Cell, 1998, 9, 3147-3159.	2.1	21
39	Mounting Technique Allows Observation of Immuno-Labeled Cells on Plastic Coverslips. BioTechniques, 1998, 24, 910-914.	1.8	3
40	Electron Tomography of Metaphase Nucleolar Organizer Regions: Evidence for a Twisted-Loop Organization. Molecular Biology of the Cell, 1997, 8, 2199-2216.	2.1	77
41	DISTRIBUTION OF $\alpha 1(IV)$ AND $\alpha 3(IV)$ CHAINS OF TYPE IV COLLAGEN IN LUNG TUMOURS. , 1997, 182, 185-191.		23
42	Viral integration sites in human papilloma virus-33-immortalized cervical keratinocyte cell lines. Cancer Genetics and Cytogenetics, 1996, 90, 63-69.	1.0	12
43	Visualization of volume data in confocal microscopy: comparison and improvements of volume rendering methods. Journal of Microscopy, 1996, 181, 238-252.	1.8	24
44	Three-dimensional co-location of RNA polymerase I and DNA during interphase and mitosis by confocal microscopy. Journal of Cell Science, 1995, 108, 115-125.	2.0	29
45	Three-dimensional co-location of RNA polymerase I and DNA during interphase and mitosis by confocal microscopy. Journal of Cell Science, 1995, 108 (Pt 1), 115-25.	2.0	14
46	Three-dimensional co-localization of nucleolar argyrophilic components and DNA in cell nuclei by confocal microscopy.. Journal of Histochemistry and Cytochemistry, 1994, 42, 137-148.	2.5	22
47	Structure and molecular organization of the nucleolus. Zentralblatt für Pathologie, 1994, 140, 3-6.	0.0	5
48	Ultrastructural distribution of DNA within the nucleolus of various animal cell lines or tissues revealed by terminal deoxynucleotidyl transferase. Cell and Tissue Research, 1993, 271, 33-45.	2.9	39
49	Applications of medium-voltage STEM for the study of organelles within very thick sections. Journal of Microscopy, 1993, 170, 247-258.	1.8	25
50	Nucleolar Organizer Regions in Congenital Mesoblastic Nephroma. Pediatric Pathology, 1992, 12, 811-821.	0.5	7
51	Differential Localization of the Cystic Fibrosis Transmembrane Conductance Regulator in Normal and Cystic Fibrosis Airway Epithelium. American Journal of Respiratory Cell and Molecular Biology, 1992, 7, 485-491.	2.9	126
52	Adriamycin resistance is characterized by ultrastructural changes in human leukaemic K562 cells in vitro. Biology of the Cell, 1992, 74, 287-297.	2.0	8
53	Nucleolar Organizer Regions: Preliminary Results of the Clinical Use of a New Marker for Prostatic Carcinoma (40 Cases). European Urology, 1992, 21, 71-74.	1.9	3
54	A New Marker for Early Detection and Indicator of Progression of Cancer of the Bladder. European Urology, 1992, 21, 31-33.	1.9	3

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55	Digital three-dimensional visualization of cellular organelles studied by medium- and high-voltage electron microscopy. <i>Journal of Microscopy</i> , 1991, 163, 221-231.	1.8	5
56	Three-dimensional imaging of the mucus secretory process in the cryofixed frog respiratory epithelium. <i>Biology of the Cell</i> , 1991, 72, 159-166.	2.0	21
57	Identification of phospholipids in secretory granules of human submucosal gland respiratory cells.. <i>Journal of Histochemistry and Cytochemistry</i> , 1991, 39, 193-198.	2.5	32
58	Interphase Nucleolar Organizer Regions in Cancer Cells. <i>International Review of Experimental Pathology</i> , 1991, 32, 149-192.	0.2	125
59	Parallel EELS elemental mapping in scanning transmission electron microscopy: use of the difference methods. <i>Microscopy Microanalysis Microstructures</i> , 1991, 2, 531-546.	0.4	28
60	Localization of DNA and Characterization of Argyrophilic Structures within Nucleolar Components during Interphase and Mitosis in Leukemia Cell Lines. , 1990, , 157-160.		0
61	Ultrastructural comparative distribution of carbohydrates in human tracheal and frog palate mucosa using neuraminidase and lectin-colloidal gold complexes. <i>Journal of Submicroscopic Cytology and Pathology</i> , 1990, 22, 79-90.	0.3	0
62	Growth and characterization of isolated bovine tracheal gland cells in culture. Influence of a reconstituted basement membrane matrix. <i>Biology of the Cell</i> , 1989, 66, 263-270.	2.0	1
63	Growth and characterization of isolated bovine tracheal gland cells in culture. Influence of a reconstituted basement membrane matrix. <i>Biology of the Cell</i> , 1989, 66, 263-70.	2.0	1
64	Inclusions intranucleaires dans la myopathie oculopharyngee. <i>Biology of the Cell</i> , 1988, 63, 16-16a.	2.0	1
65	Bas-relief obtained from a stereo-pair: An useful method for the visualization of tridimensional structure. <i>Biology of the Cell</i> , 1988, 63, 11-11a.	2.0	0
66	Etude des organisteurs nucleolaires dans les tumeurs cartilagineusev. A propos de 25 observations. <i>Biology of the Cell</i> , 1988, 63, 7-7a.	2.0	1
67	Behaviour of nucleolus during mitosis. <i>Chromosoma</i> , 1987, 95, 95-107.	2.2	61
68	The three-dimensional ultrastructure of interphasic and metaphasic nucleolar argyrophilic components studied with high-voltage electron microscopy in thick sections. <i>Biology of the Cell</i> , 1987, 59, 113-120.	2.0	26
69	Improvement in the staining and in the visualization of the argyrophilic proteins of the nucleolar organizer region at the optical level. <i>The Histochemical Journal</i> , 1986, 18, 5-14.	0.6	950
70	Simultaneous ultrastructural localization of ag-nor (nucleolar organizer region) proteins and ribonucleoproteins during mitosis, in human breast cancerous tissues. <i>Journal of Cell Science</i> , 1985, 74, 239-256.	2.0	27
71	Simultaneous ultrastructural localization of Ag-NOR (nucleolar organizer region) proteins and ribonucleoproteins during mitosis, in human breast cancerous tissues. <i>Journal of Cell Science</i> , 1985, 74, 239-56.	2.0	20
72	Simultaneous high resolution localization of Ag-NOR proteins and nucleoproteins in interphasic and mitotic nuclei. <i>The Histochemical Journal</i> , 1984, 16, 897-906.	0.6	57

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73	Ultrastructural localization of Agâ€NOR proteins and nucleic acids in reticulated nucleoli. <i>Biology of the Cell</i> , 1984, 49, 29-34.	2.0	37
74	Interphase Nucleolar Organiser Regions in Tumour Pathology. , 0, , 137-152.		4