

Benedicto de Campos Vidal

List of Publications by Year in descending order

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100
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2,292
citations

279701

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docs citations

100
times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Sodium Valproate Modulates the Methylation Status of Lysine Residues 4, 9 and 27 in Histone H3 of HeLa Cells. <i>Current Molecular Pharmacology</i> , 2023, 16, 197-210.	0.7	5
2	A collagen I derived matricryptin increases aorta vascular wall remodeling after induced thrombosis in mouse. <i>Thrombosis Research</i> , 2022, 209, 59-68.	0.8	2
3	Data on FTIR spectra of mixtures of sodium valproate (VPA) and histones H1 and H3. <i>Latin American Data in Science</i> , 2021, 1, 102-109.	0.2	1
4	Sodium valproate (VPA) interactions with DNA and histones. <i>International Journal of Biological Macromolecules</i> , 2020, 163, 219-231.	3.6	17
5	Transected Tendon Treated with a New Fibrin Sealant Alone or Associated with Adipose-Derived Stem Cells. <i>Cells</i> , 2019, 8, 56.	1.8	22
6	Variable collagen-DNA complex formation in vitro as assessed by optical anisotropy and infrared microspectroscopy. <i>International Journal of Biological Macromolecules</i> , 2019, 131, 510-519.	3.6	5
7	Toluidine blue staining for cell and tissue biology applications. <i>Acta Histochemica</i> , 2019, 121, 101-112.	0.9	22
8	Polarization Microscopy and Infrared Microspectroscopy of Integument Coverings of Diapausing Larvae in Two Distantly Related Nonsocial Bees. <i>Microscopy and Microanalysis</i> , 2018, 24, 75-81.	0.2	1
9	Injured Achilles Tendons Treated with Adipose-Derived Stem Cells Transplantation and GDF-5. <i>Cells</i> , 2018, 7, 127.	1.8	32
10	Chiral supramolecular order revealed during the formation of calf thymus and phage DNA crystals. <i>Micron</i> , 2017, 102, 44-50.	1.1	2
11	The Feulgen reaction: A brief review and new perspectives. <i>Acta Histochemica</i> , 2017, 119, 603-609.	0.9	20
12	DNA Methylation Changes in Valproic Acid-Treated HeLa Cells as Assessed by Image Analysis, Immunofluorescence and Vibrational Microspectroscopy. <i>PLoS ONE</i> , 2017, 12, e0170740.	1.1	33
13	FT-IR Microspectroscopy of Rat Ear Cartilage. <i>PLoS ONE</i> , 2016, 11, e0151989.	1.1	15
14	Topochemistry, optical anisotropy and FT-IR microspectroscopy of the cocoon of <i>Lithurgus chrysurus</i> (Hymenoptera, Megachilidae). <i>Micron</i> , 2016, 90, 87-96.	1.1	4
15	Optical anisotropy reveals molecular order in a mouse enthesis. <i>Cell and Tissue Research</i> , 2015, 362, 177-185.	1.5	13
16	Fluorescence, aggregation properties and FT-IR microspectroscopy of elastin and collagen fibers. <i>Acta Histochemica</i> , 2014, 116, 1359-1366.	0.9	14
17	Polarization Microscopy of Extended Chromatin Fibers. <i>Methods in Molecular Biology</i> , 2014, 1094, 71-78.	0.4	2
18	Effect of <i>Aloe vera</i> application on the content and molecular arrangement of glycosaminoglycans during calcaneal tendon healing. <i>Microscopy Research and Technique</i> , 2014, 77, 964-973.	1.2	5

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19	Analysis of the DNA Fourier transform-infrared microspectroscopic signature using an all-reflecting objective. <i>Micron</i> , 2014, 61, 49-52.	1.1	11
20	Image Analysis of Chromatin Remodelling. <i>Methods in Molecular Biology</i> , 2014, 1094, 99-108.	0.4	2
21	Changes in Liver Cell DNA Methylation Status in Diabetic Mice Affect Its FT-IR Characteristics. <i>PLoS ONE</i> , 2014, 9, e102295.	1.1	10
22	Highly purified collagen coating enhances tissue adherence and integration properties of monofilament polypropylene meshes. <i>International Urogynecology Journal</i> , 2013, 24, 1747-1754.	0.7	11
23	Using the FT-IR linear dichroism method for molecular order determination of tendon collagen bundles and nylon 6. <i>Acta Histochemica</i> , 2013, 115, 686-691.	0.9	20
24	Birefringence and Second Harmonic Generation on Tendon Collagen Following Red Linearly Polarized Laser Irradiation. <i>Annals of Biomedical Engineering</i> , 2013, 41, 752-762.	1.3	18
25	Skin Collagen Fiber Molecular Order: A Pattern of Distributional Fiber Orientation as Assessed by Optical Anisotropy and Image Analysis. <i>PLoS ONE</i> , 2013, 8, e54724.	1.1	43
26	Analysis of the Deep Digital Flexor Tendon in Rats Submitted to Stretching after Immobilization. <i>Connective Tissue Research</i> , 2012, 53, 29-38.	1.1	10
27	Electroacupuncture Increases the Concentration and Organization of Collagen in a Tendon Healing Model in Rats. <i>Connective Tissue Research</i> , 2012, 53, 542-547.	1.1	21
28	Contribution of AT-, GC-, and methylated cytidine-rich DNA to chromatin composition in Malpighian tubule cell nuclei of <i>Panstrongylus megistus</i> (Hemiptera, Reduviidae). <i>Acta Histochemica</i> , 2012, 114, 665-672.	0.9	3
29	Pregnancy-induced chromatin remodeling in the breast of postmenopausal women. <i>International Journal of Cancer</i> , 2012, 131, 1059-1070.	2.3	61
30	Biochemical and anisotropical properties of tendons. <i>Micron</i> , 2012, 43, 205-214.	1.1	65
31	Changes in the Infrared Microspectroscopic Characteristics of DNA Caused by Cationic Elements, Different Base Richness and Single-Stranded Form. <i>PLoS ONE</i> , 2012, 7, e43169.	1.1	123
32	Chromatin supraorganization, mitotic abnormalities and proliferation in cells with increased or down-regulated lox expression: Indirect evidence of a LOX-histone H1 interaction in vivo. <i>Micron</i> , 2011, 42, 8-16.	1.1	12
33	Collagen type I amide I band infrared spectroscopy. <i>Micron</i> , 2011, 42, 283-289.	1.1	313
34	Butterfly scale form birefringence related to photonics. <i>Micron</i> , 2011, 42, 801-807.	1.1	7
35	Fluoride effect on the secretory-stage enamel organic extracellular matrix of mice. <i>Connective Tissue Research</i> , 2011, 52, 212-217.	1.1	1
36	Optical anisotropy of collagen fibers of rat calcaneal tendons: An approach to spatially resolved supramolecular organization. <i>Acta Histochemica</i> , 2010, 112, 53-61.	0.9	57

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37	Form birefringence as applied to biopolymer and inorganic material supraorganization. <i>Biotechnic and Histochemistry</i> , 2010, 85, 365-378.	0.7	36
38	Entropy of Feulgen-stained 17- β -estradiol-transformed human breast epithelial cells as assessed by restriction enzymes and image analysis. <i>Oncology Reports</i> , 2009, 21, 1483-7.	1.2	8
39	DNA content, chromatin supraorganization, nuclear glycoproteins and RNA amounts in hepatocytes of mice expressing insulin-dependent diabetes. <i>Micron</i> , 2009, 40, 577-585.	1.1	13
40	Structural organization of collagen fibers in chordae tendineae as assessed by optical anisotropic properties and Fast Fourier transform. <i>Journal of Structural Biology</i> , 2009, 167, 166-175.	1.3	24
41	Extracellular Matrix of Porcine Pericardium: Biochemistry and Collagen Architecture. <i>Journal of Membrane Biology</i> , 2008, 221, 15-25.	1.0	28
42	Image analysis of the AgNOR response in ras-transformed human breast epithelial cells. <i>Acta Histochemica</i> , 2008, 110, 210-216.	0.9	11
43	Hepatocyte nuclear phenotype: the cross-talk between anabolic androgenic steroids and exercise in transgenic mice. <i>Histology and Histopathology</i> , 2008, 23, 1367-77.	0.5	11
44	Optical anisotropy of alcian blue-stained acid glycosaminoglycans. <i>Acta Histochemica</i> , 2007, 109, 78-85.	0.9	5
45	Fluorescence, birefringence and confocal microscopy of the abdominal aorta from nonobese diabetic (NOD) mice. <i>Acta Histochemica</i> , 2007, 109, 248-254.	0.9	2
46	Optical anisotropies in corneal stroma collagen fibers from diabetic spontaneous mice. <i>Vision Research</i> , 2007, 47, 3229-3237.	0.7	14
47	Nuclear phenotypes and DNA fragmentation in tendon fibroblasts of NOD mice. <i>Caryologia</i> , 2006, 59, 116-124.	0.2	10
48	Identification of elastic fibers and lamellae in porcine pericardium and aorta by confocal, fluorescence and polarized light microscopy. <i>Acta Histochemica</i> , 2006, 108, 125-132.	0.9	5
49	Comments on Raspanti and co-workers' paper regarding the 3D structure of crimps in the rat Achilles tendon. <i>Matrix Biology</i> , 2006, 25, 132-133.	1.5	1
50	New biocompatible highly purified collagen gel for therapeutic renal artery embolization. <i>Urology</i> , 2006, 67, 851-854.	0.5	7
51	Nucleus image properties assessed by video image analysis in mouse hepatocytes under a short lysis for extended chromatin fiber formation. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2006, 69A, 1106-1113.	1.1	5
52	Collagen birefringence in skin repair in response to red polarized-laser therapy. <i>Journal of Biomedical Optics</i> , 2006, 11, 024002.	1.4	33
53	Chromatin supraorganization and extensibility in mouse hepatocytes following starvation and refeeding. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2005, 63A, 94-107.	1.1	21
54	Supramolecular order following binding of the dichroic birefringent sulfonic dye Ponceau SS to collagen fibers. <i>Biopolymers</i> , 2005, 78, 121-128.	1.2	23

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55	Chromatin supraorganization, DNA fragmentation, and cell death in snake erythrocytes. <i>Biochemistry and Cell Biology</i> , 2005, 83, 15-27.	0.9	10
56	Extracellular matrix of ostrich articular cartilage. <i>Biocell</i> , 2005, 29, 47-54.	0.4	7
57	Extracellular matrix of ostrich articular cartilage. <i>Biocell</i> , 2005, 29, 47-54.	0.4	5
58	Cell death evaluation in benzo[a]pyrene-transformed human breast epithelial cells after microcell-mediated transfer of chromosomes 11 and 17. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2004, 546, 39-43.	0.4	5
59	DNA content, chromatin texture and nuclear morphology in benzo[a]pyrene-transformed human breast epithelial cells after microcell-mediated transfer of chromosomes 11 and 17. <i>Cytometry</i> , 2003, 52A, 70-76.	1.8	10
60	Image analysis of tendon helical superstructure using interference and polarized light microscopy. <i>Micron</i> , 2003, 34, 423-432.	1.1	114
61	Nuclear phenotypes and morphometry of human secretory prostate cells: a comparative study of benign and malignant lesions in Brazilian patients. <i>Caryologia</i> , 2003, 56, 315-322.	0.2	12
62	Electron microscopic determination of silver incorporation in collagen fibers as a model of organic-metal chiral supramolecular structure with optical anisotropic properties. <i>Micron</i> , 2002, 33, 507-509.	1.1	4
63	Chirality and helicity of poly-benzyl-L-glutamate in liquid crystals and a wave structure that mimics collagen helicity in crimp. <i>Materials Research</i> , 2001, 4, 169-173.	0.6	4
64	The effect of therapeutic ultrasound on repair of the achilles tendon (tendo calcaneus) of the rat. <i>Ultrasound in Medicine and Biology</i> , 2001, 27, 1691-1696.	0.7	95
65	VIOLACEIN CYTOTOXICITY AND INDUCTION OF APOPTOSIS IN V79 CELLS. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2000, 36, 539.	0.7	73
66	Image analysis of DNA fragmentation and loss in V79 cells under apoptosis. <i>Genetics and Molecular Biology</i> , 2000, 23, 109-112.	0.6	12
67	Ha-ras Oncogene Effect on DNA Content and Chromatin Supraorganization in benzo[a]pyrene-Transformed Human Breast Epithelial Cells. <i>Analytical Cellular Pathology</i> , 1999, 19, 73-79.	2.1	8
68	Apoptosis and catastrophic cell death in benzo[a]pyrene-transformed human breast epithelial cells. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1999, 431, 133-139.	0.4	7
69	RNA RELOCATION AT MITOSIS IN TRANSFORMED AND TUMORIGENIC HUMAN BREAST EPITHELIAL CELLS. <i>Cell Biology International</i> , 1999, 23, 125-128.	1.4	2
70	DNA Content and Chromatin Texture of Benzo[a]pyrene-Transformed Human Breast Epithelial Cells as Assessed by Image Analysis. <i>Experimental Cell Research</i> , 1998, 244, 77-82.	1.2	34
71	Concanavalin A-reactive nuclear matrix glycoprotein. <i>Genetics and Molecular Biology</i> , 1997, 20, 631-638.	1.0	4
72	Image analysis and definition of nuclear phenotypes. <i>Genetics and Molecular Biology</i> , 1997, 20, 749-754.	1.0	7

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73	Cytochemistry and Polarization Microscopy of Amphibian Sperm Cell Nuclei Presumed to Differ in Basic Protein Composition.. <i>Acta Histochemica Et Cytochemica</i> , 1996, 29, 129-134.	0.8	6
74	The Use of a Complex of Collagen Type I with Hydroxyapatite from Bone, as a Bone Implant Substitute: An Experimental Approach. <i>Tissue Engineering</i> , 1996, 2, 151-160.	4.9	8
75	Modulation of ras Transformation Affecting Chromatin Supraorganization as Assessed by Image Analysis. <i>Experimental Cell Research</i> , 1995, 220, 374-382.	1.2	64
76	Structure and histochemistry of a pressure-bearing tendon of the frog. <i>Annals of Anatomy</i> , 1994, 176, 161-170.	1.0	16
77	The unique fibrillar arrangement of the bullfrog pressure-bearing tendon as an indicative of great functional deformability. <i>Biology of the Cell</i> , 1994, 82, 59-65.	0.7	10
78	Image Analysis: Video System Adequacy for the Assortment of Nuclear Phenotypes Based on Chromatin Texture Evaluation.. <i>Acta Histochemica Et Cytochemica</i> , 1994, 27, 23-31.	0.8	14
79	Discrimination of the nucleolus by a critical electrolyte concentration method.. <i>Acta Histochemica Et Cytochemica</i> , 1993, 26, 1-3.	0.8	25
80	Image analysis of Feulgen-stained NIH/3T3 cells transformed with DNA of 4-nitroquinoline 1-oxide treated human breast epithelial cells. <i>Biochemistry and Cell Biology</i> , 1992, 70, 109-116.	0.9	5
81	Aggregational State and Molecular Order of Tendons as a Function of Age. <i>Matrix Biology</i> , 1990, 10, 48-57.	1.8	33
82	Anisotropic and Biomechanical Properties of Tendons Modified by Exercise and Denervation: Aggregation and Macromolecular Order in Collagen Bundles. <i>Matrix Biology</i> , 1989, 9, 55-61.	1.8	111
83	Critical electrolyte concentration of DNA and nucleoprotein complexes in vitro.. <i>Acta Histochemica Et Cytochemica</i> , 1989, 22, 471-478.	0.8	22
84	Lesions of intestinal epithelium by ingestion of bean lectins in rats.. <i>Journal of Nutritional Science and Vitaminology</i> , 1989, 35, 315-322.	0.2	21
85	Determination of the apparent isoelectric point of the protein bodies of <i>Glycine max</i> .. <i>Cytologia</i> , 1989, 54, 635-639.	0.2	1
86	Articular cartilage: Collagen II-proteoglycans interactions.Availability of reative groups.Variation in birefringence and differences as compared to Collagen I. <i>Acta Histochemica</i> , 1988, 83, 189-205.	0.9	21
87	Microspectrofluorimetry of the naturally fluorescent substances of the malpighian tubules of <i>Triatoma infestans</i> and <i>Panstrongylus megistus</i> .. <i>Acta Histochemica Et Cytochemica</i> , 1985, 18, 365-373.	0.8	8
88	Basic fuchsins and the Schiff-aldehyde reaction. <i>Acta Histochemica</i> , 1983, 73, 121-133.	0.9	4
89	Polarization microscopy and microspectrophotometry of Sirius Red, Picrosirius and Chlorantine Fast Red aggregates and of their complexes with collagen. <i>The Histochemical Journal</i> , 1982, 14, 857-878.	0.6	48
90	Acid lability of deoxyribonucleic acids of some polytene chromosome regions of <i>Rhynchosciara americana</i> . <i>Chromosoma</i> , 1980, 81, 419-429.	1.0	23

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91	Anisotropic properties of the myelin sheath. Acta Histochemica, 1980, 66, 32-39.	0.9	48
92	The salivary gland secretions of a neotropical bumblebee. Protoplasma, 1979, 100, 251-265.	1.0	5
93	Change with Age of Anisotropic Properties of Collagen Bundles. Gerontology, 1979, 25, 2-8.	1.4	24
94	Anisotropy and isoelectrical point determinations on collagen bundles of the rat periodontal fibers. Histochemistry, 1974, 42, 163-174.	1.9	4
95	Optical Properties of Plant Chromosomes during Mitosis. Cytologia, 1974, 39, 315-320.	0.2	4
96	Anormal dispersion of birefringence, linear dichroism, and relationships with ORD (extrinsic Cotton) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.3	12
97	The larval peritrophic membrane of <i>Melipona quadrifasciata</i> (Hymenoptera Apoidea). Protoplasma, 1971, 73, 349-365.	1.0	12
98	Macromolecular desorientation in detached tendons. Protoplasma, 1966, 62, 121-132.	1.0	6
99	The part played by the mucopolysaccharides in the form birefringence of the Collagen. Protoplasma, 1965, 59, 472-479.	1.0	40
100	Pleochroism in tendon and its bearing to acid mucopolysaccharides. Protoplasma, 1963, 56, 529-536.	1.0	24