

Nieves Olmo

List of Publications by Year in descending order

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67
papers

2,378
citations

201674

27
h-index

214800

47
g-index

67
all docs

67
docs citations

67
times ranked

3272
citing authors

#	ARTICLE	IF	CITATIONS
1	Annexin-Phospholipid Interactions. Functional Implications. International Journal of Molecular Sciences, 2013, 14, 2652-2683.	4.1	209
2	Influence of different chemical cross-linking treatments on the properties of bovine pericardium and collagen. Biomaterials, 1999, 20, 539-545.	11.4	142
3	Bioactive sol-gel glasses with and without a hydroxycarbonate apatite layer as substrates for osteoblast cell adhesion and proliferation. Biomaterials, 2003, 24, 3383-3393.	11.4	142
4	Bile acids in the colon, from healthy to cytotoxic molecules. Toxicology in Vitro, 2013, 27, 964-977.	2.4	137
5	Cytotoxic mechanism of the ribotoxin β -sarcin. FEBS Journal, 2001, 268, 2113-2123.	0.2	134
6	The tetraspanin CD9 inhibits the proliferation and tumorigenicity of human colon carcinoma cells. International Journal of Cancer, 2007, 121, 2140-2152.	5.1	95
7	Deoxycholic and chenodeoxycholic bile acids induce apoptosis via oxidative stress in human colon adenocarcinoma cells. Apoptosis: an International Journal on Programmed Cell Death, 2011, 16, 1054-1067.	4.9	90
8	Study of biochemical substrate and role of metalloproteinases in fascia transversalis from hernial processes. European Journal of Clinical Investigation, 1997, 27, 510-516.	3.4	87
9	A Functionally Relevant Conformational Epitope on the CD9 Tetraspanin Depends on the Association with Activated β 2-Integrin. Journal of Biological Chemistry, 2003, 278, 208-218.	3.4	66
10	Upregulation of Annexin A1 Expression by Butyrate in Human Colon Adenocarcinoma Cells: Role of p53, NF- κ B, and p38 Mitogen-Activated Protein Kinase. Molecular and Cellular Biology, 2008, 28, 4665-4674.	2.3	65
11	Kinetic study of the cytotoxic effect of β -sarcin, a ribosome inactivating protein from <i>Aspergillus giganteus</i> , on tumour cell lines: protein biosynthesis inhibition and cell binding. Molecular and Cellular Biochemistry, 1993, 122, 39-47.	3.1	63
12	Differentiation of human colon adenocarcinoma cells alters the expression and intracellular localization of annexins A1, A2, and A5. Journal of Cellular Biochemistry, 2005, 94, 178-193.	2.6	56
13	Midregion Parathyroid Hormone-Related Protein Inhibits Growth and Invasion In Vitro and Tumorigenesis In Vivo of Human Breast Cancer Cells. Journal of Bone and Mineral Research, 2001, 16, 2173-2181.	2.8	48
14	The insecticidal protein hirsutellin A from the mite fungal pathogen <i>Hirsutella thompsonii</i> is a ribotoxin. Proteins: Structure, Function and Bioinformatics, 2008, 72, 217-228.	2.6	44
15	Biocompatibility and degradability of sepiolite-collagen complex. Biomaterials, 1987, 8, 67-69.	11.4	43
16	Biocompatibility and Calcification of Bovine Pericardium Employed for the Construction of Cardiac Bioprostheses Treated With Different Chemical Crosslink Methods. Artificial Organs, 2010, 34, E168-76.	1.9	41
17	Colorectal Cancer: From the Genetic Model to Posttranscriptional Regulation by Noncoding RNAs. BioMed Research International, 2017, 2017, 1-38.	1.9	40
18	Ecto-5'-nucleotidase from a human colon adenocarcinoma cell line. Correlation between enzyme activity and levels in intact cells. Molecular and Cellular Biochemistry, 1998, 187, 121-131.	3.1	37

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19	4F2hc-silencing impairs tumorigenicity of HeLa cells via modulation of galectin-3 and β -catenin signaling, and MMP-2 expression. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2013, 1833, 2045-2056.	4.1	37
20	Vitreous SiO ₂ -CaO coatings on Ti6Al4V alloys: Reactivity in simulated body fluid versus osteoblast cell culture. <i>Acta Biomaterialia</i> , 2006, 2, 445-455.	8.3	35
21	Kinetic analysis of butyrate transport in human colon adenocarcinoma cells reveals two different carrier-mediated mechanisms. <i>Biochemical Journal</i> , 2008, 409, 311-320.	3.7	35
22	The Antifungal Protein AFP of <i>Aspergillus giganteus</i> is an Oligonucleotide/Oligosaccharide Binding (OB) Fold-containing Protein That Produces Condensation of DNA. <i>Journal of Biological Chemistry</i> , 2002, 277, 46179-46183.	3.4	33
23	Acquisition of Resistance to Butyrate Enhances Survival after Stress and Induces Malignancy of Human Colon Carcinoma Cells. <i>Cancer Research</i> , 2004, 64, 4593-4600.	0.9	33
24	5'-nucleotidase activity in cultured cell lines. Effect of different assay conditions and correlation with cell proliferation. <i>In Vitro Cellular & Developmental Biology</i> , 1989, 25, 1055-1061.	1.0	32
25	Involvement of the amino-terminal β -hairpin of the <i>Aspergillus</i> ribotoxins on the interaction with membranes and nonspecific ribonuclease activity. <i>Protein Science</i> , 2001, 10, 1658-1668.	7.6	30
26	Gelatinases in soft tissue biomaterials. Analysis of different crosslinking agents. <i>Biomaterials</i> , 2002, 23, 3473-3478.	11.4	30
27	Calcium-Dependent Conformational Rearrangements and Protein Stability in Chicken Annexin A5. <i>Biophysical Journal</i> , 2002, 83, 2280-2291.	0.5	28
28	Structure-function relationship in annexin A13, the founder member of the vertebrate family of annexins. <i>Biochemical Journal</i> , 2005, 389, 899-911.	3.7	28
29	Structural and functional characterization of recombinant mouse annexin A11: influence of calcium binding. <i>Biochemical Journal</i> , 2003, 373, 437-449.	3.7	27
30	Biochemical and mechanical behavior of ostrich pericardium as a new biomaterial. <i>Acta Biomaterialia</i> , 2006, 2, 213-219.	8.3	27
31	Kinetics of in vivo degradation of sepiolite-collagen complexes: Effect of glutaraldehyde treatment. , 1996, 30, 77-84.		26
32	Stabilization of Pericardial Tissue by Glutaraldehyde. <i>Connective Tissue Research</i> , 1984, 13, 37-44.	2.3	25
33	Role of the N-terminus in the structure and stability of chicken annexin V. <i>FEBS Letters</i> , 1997, 416, 217-220.	2.8	25
34	Production and characterization of a noncytotoxic deletion variant of the <i>Aspergillus fumigatus</i> allergen Asp f1 displaying reduced IgE binding. <i>FEBS Journal</i> , 2005, 272, 2536-2544.	4.7	23
35	Characterization of tumorigenic sub-lines from a poorly tumorigenic human colon-adenocarcinoma cell line. , 1996, 67, 668-675.		21
36	Histone deacetylase inhibitors upregulate MMP11 gene expression through Sp1/Smad complexes in human colon adenocarcinoma cells. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2012, 1823, 570-581.	4.1	21

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37	Outgrowth of fibroblasts on sepiolite-collagen complex. <i>Biomaterials</i> , 1987, 8, 35-37.	11.4	19
38	Implantation of sepiolite-collagen complexes in surgically created rat calvaria defects. <i>Biomaterials</i> , 1995, 16, 625-631.	11.4	19
39	Differentiation of BCS-TC2 human colon adenocarcinoma cells by sodium butyrate: increase in 5'-nucleotidase activity. <i>European Journal of Clinical Investigation</i> , 1997, 27, 620-628.	3.4	19
40	Resistance to butyrate impairs bile acid-induced apoptosis in human colon adenocarcinoma cells via up-regulation of Bcl-2 and inactivation of Bax. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2012, 1823, 2201-2209.	4.1	19
41	Establishment and characterization of a new human colon adenocarcinoma cell line: BCS-TC2. <i>Cytotechnology</i> , 1990, 3, 75-88.	1.6	18
42	Leucine 145 of the ribotoxin \hat{A} -sarcin plays a key role for determining the specificity of the ribosome-inactivating activity of the protein. <i>Protein Science</i> , 2003, 12, 161-169.	7.6	16
43	Collagen Metabolism in Human Colon Adenocarcinoma. <i>Connective Tissue Research</i> , 1989, 23, 251-260.	2.3	15
44	Interaction of Type I Collagen with Sepiolite (Magnesium Silicate). <i>Collagen and Related Research</i> , 1985, 5, 9-16.	2.0	14
45	Cell morphology, proliferation and collagen synthesis of human fibroblasts cultured on sepiolite-collagen complexes. <i>Journal of Biomedical Materials Research Part B</i> , 1988, 22, 257-270.	3.1	14
46	Adhesion and Stability of Fibronectin on PTFE Before and After Seeding with Normal and Synchronized Endothelial Cells: In Vitro Study. <i>Artificial Organs</i> , 1995, 19, 144-153.	1.9	13
47	Calcification and identification of metalloproteinases in bovine pericardium after subcutaneous implantation in rats. <i>Journal of Materials Science: Materials in Medicine</i> , 2001, 12, 1013-1017.	3.6	13
48	In vitro models for the study of the effect of butyrate on human colon adenocarcinoma cells. <i>Toxicology in Vitro</i> , 2007, 21, 262-270.	2.4	13
49	Effects of periodate and chondroitin 4-sulfate on proteoglycan stabilization of ostrich pericardium. Inhibition of calcification in subcutaneous implants in rats. <i>Biomaterials</i> , 2004, 25, 3359-3368.	11.4	12
50	Effect of Bile Acids on Butyrate-Sensitive and -Resistant Human Colon Adenocarcinoma Cells. <i>Nutrition and Cancer</i> , 2005, 53, 208-219.	2.0	11
51	Implication of an Asp residue in the ribonucleolytic activity of hirsutellin A reveals new electrostatic interactions at the active site of ribotoxins. <i>Biochimie</i> , 2012, 94, 427-433.	2.6	11
52	A non-cytotoxic but ribonucleolytically specific ribotoxin variant: implication of tryptophan residues in the cytotoxicity of hirsutellin A. <i>Biological Chemistry</i> , 2012, 393, 449-456.	2.5	10
53	Interaction of Fibronectin with Human Colon Adenocarcinoma Cells: Effect on the in vivo Tumorigenic Capacity. <i>Oncology</i> , 2002, 62, 371-380.	1.9	9
54	Changes in the expression of annexin A5 gene during in vitro chondrocyte differentiation: Influence of cell attachment. <i>Journal of Cellular Biochemistry</i> , 2002, 84, 132-142.	2.6	9

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55	Acquisition of resistance to butyrate induces resistance to luminal components and other types of stress in human colon adenocarcinoma cells. <i>Toxicology in Vitro</i> , 2007, 21, 254-261.	2.4	9
56	Increase of collagen content and changes in the collagen fibers in the skin of rats fed with adulterated rapeseed oil involved in a toxic syndrome in Spain. <i>Archives of Environmental Contamination and Toxicology</i> , 1985, 14, 389-394.	4.1	8
57	Isolation and characterization of the ecto-5'-nucleotidase from a rat glioblastoma cell line. <i>Molecular and Cellular Biochemistry</i> , 1992, 117, 23-33.	3.1	8
58	Key role of the N-terminus of chicken annexin A5 in vesicle aggregation. <i>Protein Science</i> , 2009, 18, 1095-1106.	7.6	8
59	Subcutaneous and intramuscular implantation of sepiolite-collagen complexes. <i>Journal of Materials Science: Materials in Medicine</i> , 1992, 3, 239-244.	3.6	7
60	Structural and lipid-binding characterization of human annexin A13a reveals strong differences with its long A13b isoform. <i>Biological Chemistry</i> , 2017, 398, 359-371.	2.5	7
61	Binding of 1- <i>n</i> -naphthalene-8-sulfonic acid to type I collagen. <i>International Journal of Peptide and Protein Research</i> , 1986, 28, 173-178.	0.1	6
62	Structural characterization and unfolding mechanism of human 4F2hc ectodomain. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2011, 1814, 536-544.	2.3	5
63	The ribonucleolytic activity of the ribotoxin $\hat{\pm}$ -sarcin is not essential for in vitro protein biosynthesis inhibition. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2011, 1814, 1377-1382.	2.3	5
64	Fibroblastlike primary cells from human colon adenocarcinoma explants: Collagen biosynthesis. <i>In Vitro Cellular & Developmental Biology</i> , 1991, 27, 447-452.	1.0	3
65	Matrix components and behavior of human adenocarcinoma cells. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 1994, 30, 643-647.	1.5	3
66	A natural non-protein low molecular weight cAMP-dependent protein kinase inhibitor from the insect <i>Ceratitis capitata</i> . <i>Insect Biochemistry</i> , 1987, 17, 329-333.	1.8	0
67	Signal Transduction Through Laminin Receptors. Effects of Extracellular Matrix on BCS-TC2 Adenocarcinoma Cells. , 1994, , 227-249.		0