JesÃºs Espada

List of Publications by Year
in descending order

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61	5,762	147801	133252
papers	citations	31 h-index	59 g-index

63	63	63	8390
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Loss of acetylation at Lys16 and trimethylation at Lys20 of histone H4 is a common hallmark of human cancer. Nature Genetics, 2005, 37, 391-400.	21.4	1,710
2	Vitamin D3 promotes the differentiation of colon carcinoma cells by the induction of E-cadherin and the inhibition of Î²-catenin signaling. Journal of Cell Biology, 2001, 154, 369-388.	5.2	725
3	Epigenetic inactivation of the Wnt antagonist DICKKOPF-1 (DKK-1) gene in human colorectal cancer. Oncogene, 2006, 25, 4116-4121.	5.9	320
4	Methyl-CpG binding proteins identify novel sites of epigenetic inactivation in human cancer. EMBO Journal, 2003, 22, 6335-6345.	7.8	294
5	Epigenetic inactivation of the premature aging Werner syndrome gene in human cancer. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 8822-8827.	7.1	240
6	The dynamic DNA methylomes of double-stranded DNA viruses associated with human cancer. Genome Research, 2009, 19, 438-451.	5.5	218
7	A Mouse Skin Multistage Carcinogenesis Model Reflects the Aberrant DNA Methylation Patterns of Human Tumors. Cancer Research, 2004, 64, 5527-5534.	0.9	193
8	Human DNA Methyltransferase 1 Is Required for Maintenance of the Histone H3 Modification Pattern. Journal of Biological Chemistry, 2004, 279, 37175-37184.	3.4	171
9	Nuclear envelope defects cause stem cell dysfunction in premature-aging mice. Journal of Cell Biology, 2008, 181, 27-35.	5.2	160
10	Epigenetic inactivation of the p53-induced long noncoding RNA TP53 target 1 in human cancer. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E7535-E7544.	7.1	140
11	Epigenetic disruption of ribosomal RNA genes and nucleolar architecture in DNA methyltransferase 1 (Dnmt1) deficient cells. Nucleic Acids Research, 2007, 35, 2191-2198.	14.5	128
12	Inactivation of the Lamin A/C Gene by CpG Island Promoter Hypermethylation in Hematologic Malignancies, and Its Association With Poor Survival in Nodal Diffuse Large B-Cell Lymphoma. Journal of Clinical Oncology, 2005, 23, 3940-3947.	1.6	119
13	Wnt signalling and cancer stem cells. Clinical and Translational Oncology, 2009, 11, 411-427.	2.4	100
14	Epigenetic loss of the familial tumor-suppressor gene exostosin-1 (EXT1) disrupts heparan sulfate synthesis in cancer cells. Human Molecular Genetics, 2004, 13, 2753-2765.	2.9	86
15	H-Ras Activation Promotes Cytoplasmic Accumulation and Phosphoinositide 3-Oh Kinase Association of Î²-Catenin in Epidermal Keratinocytes. Journal of Cell Biology, 1999, 146, 967-980.	5.2	85
16	Regulation of SNAIL1 and E-cadherin function by DNMT1 in a DNA methylation-independent context. Nucleic Acids Research, 2011, 39, 9194-9205.	14.5	82
17	The ADAMTS12 metalloproteinase exhibits anti-tumorigenic properties through modulation of the Ras-dependent ERK signalling pathway. Journal of Cell Science, 2007, 120, 3544-3552.	2.0	81
18	Photoactivation of ROS Production In Situ Transiently Activates Cell Proliferation in Mouse Skin and in the Hair Follicle Stem Cell Niche Promoting Hair Growth and Wound Healing. Journal of Investigative Dermatology, 2015, 135, 2611-2622.	0.7	66

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19	An Update on Src Family of Nonreceptor Tyrosine Kinases Biology. International Review of Cell and Molecular Biology, 2017, 331, 83-122.	3.2	58
20	Epigenetic control of nuclear architecture. Cellular and Molecular Life Sciences, 2007, 64, 449-457.	5.4	55
21	Protoporphyrin IX-dependent photodynamic production of endogenous ROS stimulates cell proliferation. European Journal of Cell Biology, 2012, 91, 216-223.	3.6	52
22	Nuclear envelope alterations generate an agingâ€like epigenetic pattern in mice deficient in Zmpste24 metalloprotease. Aging Cell, 2010, 9, 947-957.	6.7	50
23	Loss of E-cadherin mediated cell-cell adhesion as an early trigger of apoptosis induced by photodynamic treatment. Journal of Cellular Physiology, 2005, 205, 86-96.	4.1	45
24	Cellular Intrinsic Factors Involved in the Resistance of Squamous Cell Carcinoma to Photodynamic Therapy. Journal of Investigative Dermatology, 2014, 134, 2428-2437.	0.7	42
25	Hedgehog signalling as a target in cancer stem cells. Clinical and Translational Oncology, 2009, 11, 199-207.	2.4	41
26	Photodamage Induced by Zinc(II)-phthalocyanine to Microtubules, Actin, Î±-Actinin and Keratin of HeLa CellsÂ¶. Photochemistry and Photobiology, 2001, 73, 283-289.	2.5	40
27	In situ production of ROS in the skin by photodynamic therapy as a powerful tool in clinical dermatology. Methods, 2016, 109, 190-202.	3.8	39
28	DNA methylation and the functional organization of the nuclear compartment. Seminars in Cell and Developmental Biology, 2010, 21, 238-246.	5.0	38
29	Release of Hypoacetylated and Trimethylated Histone H4 Is an Epigenetic Marker of Early Apoptosis. Journal of Biological Chemistry, 2006, 281, 13540-13547.	3.4	34
30	Oncogenic Hâ€Ras and PI3K signaling can inhibit Eâ€cadherinâ€dependent apoptosis and promote cell survival after photodynamic therapy in mouse keratinocytes. Journal of Cellular Physiology, 2009, 219, 84-93.	4.1	34
31	Fluorescence microscopy of rat embryo sections stained with haematoxylin-eosin and Masson's trichrome method. Journal of Microscopy, 1998, 191, 20-27.	1.8	33
32	Selective fluorescence of eosinophilic structures in grasshopper and mammalian testis stained with haematoxylin-eosin. Histochemistry, 1993, 99, 385-390.	1.9	27
33	A role for the Tgf-Î²/Bmp co-receptor Endoglin in the molecular oscillator that regulates the hair follicle cycle. Journal of Molecular Cell Biology, 2019, 11, 39-52.	3.3	27
34	Switching on a transient endogenous ROS production in mammalian cells and tissues. Methods, 2016, 109, 180-189.	3.8	23
35	Standard DNA Methylation Analysis in Mouse Epidermis: Bisulfite Sequencing, Methylation-Specific PCR, and 5-Methyl-Cytosine (5mC) Immunological Detection. Methods in Molecular Biology, 2014, 1094, 221-231.	0.9	23
36	Non-catalytic functions of DNMT1. Epigenetics, 2012, 7, 115-118.	2.7	22

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37	Heparan sulfate, heparin, and heparinase activity detection on polyacrylamide gel electrophoresis using the fluorochrome tris(2,2â€²-bipyridine) ruthenium (II). Electrophoresis, 2001, 22, 3-11.	2.4	19
38	Cryptomphalus aspersa mollusc eggs extract promotes migration and prevents cutaneous ageing in keratinocytes and dermal fibroblasts in vitro. International Journal of Cosmetic Science, 2015, 37, 41-55.	2.6	18
39	Non-aqueous permanent mounting for immunofluorescence microscopy. Histochemistry and Cell Biology, 2005, 123, 329-334.	1.7	15
40	Antiandrogenic drugs, a therapeutic option for frontal fibrosing alopecia patients. Journal of the American Academy of Dermatology, 2016, 74, e77.	1.2	11
41	Fluorescence of bisazo dye reaction products from the coupled tetrazonium method for proteins. Acta Histochemica, 1994, 96, 315-324.	1.8	10
42	Fluorescent cytochemistry of acid phosphatase and demonstration of fluid-phase endocytosis using an azo dye method. Histochemistry and Cell Biology, 1997, 108, 481-487.	1.7	10
43	Mouse models in epigenetics: insights in development and disease. Briefings in Functional Genomics, 2013, 12, 279-287.	2.7	9
44	Intrinsic activation of cell growth and differentiation in ex vivo cultured human hair follicles by a transient endogenous production of ROS. Scientific Reports, 2019, 9, 4509.	3.3	8
45	Fluorescence of eosinophil leucocyte granules induced by 1-hydroxy-3,6,8-pyrenetrisulfonate. Visualization of differences in protein isoelectric points. Histochemistry and Cell Biology, 1995, 104, 69-73.	1.7	7
46	New cationic fluorochromes from diaryloxazole scintillators: fluorescence of chromatin DNA induced by N-quaternary POPOP derivatives. Acta Histochemica, 1997, 99, 195-205.	1.8	7
47	Sustained Human Hair Follicle Growth Ex Vivo in a Glycosaminoglycan Hydrogel Matrix. International Journal of Molecular Sciences, 2019, 20, 1741.	4.1	7
48	Direct metabolic regulation of Î²-catenin activity by the p85Î± regulatory subunit of phosphoinositide 3-OH kinase. Experimental Cell Research, 2005, 305, 409-417.	2.6	6
49	Fluorescent redox-dependent labeling of lipid droplets in cultured cells by reduced phenazine methosulfate. Heliyon, 2020, 6, e04182.	3.2	6
50	Recycling cultured cells for immunofluorescent labeling. Histochemistry and Cell Biology, 2001, 116, 41-47.	1.7	5
51	Nuevos modelos experimentales para el estudio de la homeostasis y la enfermedad cutÃ¡nea. Actas Dermo-sifiliogrÃ¡ficas, 2015, 106, 17-28.	0.4	5
52	Current methods to unravel ROS biology. Methods, 2016, 109, 1-2.	3.8	3
53	Deschampsia antarctica extract (EdafenceÂ®) as a powerful skin protection tool against the aging exposome. Plastic and Aesthetic Research, 0, 7, 69.	0.4	3
54	Preclinical photodynamic therapy research in Spain 4: Cytoskeleton and adhesion complexes of cultured tumor cells as targets of photosensitizers. Journal of Porphyrins and Phthalocyanines, 2009, 13, 552-559.	0.8	2

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55	DNA Labeling In Vivo: Quantification of Epidermal Stem Cell Chromatin Content in Whole Mouse Hair Follicles Using Fiji Image Processing Software. Methods in Molecular Biology, 2014, 1094, 79-88.	0.9	2
56	Stimulation of Stem Cell Niches and Tissue Regeneration in Mouse Skin by Switchable Protoporphyrin IX-Dependent Photogeneration of Reactive Oxygen Species In Situ. Journal of Visualized Experiments, 2020, , .	0.3	2
57	Melanin-Binding Colorants: Updating Molecular Modeling, Staining and Labeling Mechanisms, and Biomedical Perspectives. Colorants, 2022, 1, 91-120.	1.5	2
58	The deleterious effects induced by an acute exposure of human skin to common air pollutants are prevented by extracts of Deschampsia antarctica. Scientific Reports, 2021, 11, 23751.	3.3	2
59	A Photodynamic Tool to Promote a Sustained, ROS-Dependent Growth of Human Hair Follicles in Ex Vivo Culture. Methods in Molecular Biology, 2021, 2202, 51-61.	0.9	1
60	Qualitative Determination of 5-Methylcytosine and Other Components of the DNA Methylation Machinery. , 2004, , 121-136.		0
61	Nuclear envelope defects cause stem cell dysfunction in premature-aging mice. Journal of Experimental Medicine, 2008, 205, i10-i10.	8.5	0