

# Jes s Espada

## List of Publications by Year in descending order

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Version: 2024-02-01

61  
papers

5,762  
citations

147566

31  
h-index

133063

59  
g-index

63  
all docs

63  
docs citations

63  
times ranked

8390  
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. <i>Nature Genetics</i> , 2005, 37, 391-400.	9.4	1,710
2	Vitamin D3 promotes the differentiation of colon carcinoma cells by the induction of E-cadherin and the inhibition of $\beta$ -catenin signaling. <i>Journal of Cell Biology</i> , 2001, 154, 369-388.	2.3	725
3	Epigenetic inactivation of the Wnt antagonist DICKKOPF-1 (DKK-1) gene in human colorectal cancer. <i>Oncogene</i> , 2006, 25, 4116-4121.	2.6	320
4	Methyl-CpG binding proteins identify novel sites of epigenetic inactivation in human cancer. <i>EMBO Journal</i> , 2003, 22, 6335-6345.	3.5	294
5	Epigenetic inactivation of the premature aging Werner syndrome gene in human cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 8822-8827.	3.3	240
6	The dynamic DNA methylomes of double-stranded DNA viruses associated with human cancer. <i>Genome Research</i> , 2009, 19, 438-451.	2.4	218
7	A Mouse Skin Multistage Carcinogenesis Model Reflects the Aberrant DNA Methylation Patterns of Human Tumors. <i>Cancer Research</i> , 2004, 64, 5527-5534.	0.4	193
8	Human DNA Methyltransferase 1 Is Required for Maintenance of the Histone H3 Modification Pattern. <i>Journal of Biological Chemistry</i> , 2004, 279, 37175-37184.	1.6	171
9	Nuclear envelope defects cause stem cell dysfunction in premature-aging mice. <i>Journal of Cell Biology</i> , 2008, 181, 27-35.	2.3	160
10	Epigenetic inactivation of the p53-induced long noncoding RNA TP53 target 1 in human cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E7535-E7544.	3.3	140
11	Epigenetic disruption of ribosomal RNA genes and nucleolar architecture in DNA methyltransferase 1 (Dnmt1) deficient cells. <i>Nucleic Acids Research</i> , 2007, 35, 2191-2198.	6.5	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. <i>Journal of Clinical Oncology</i> , 2005, 23, 3940-3947.	0.8	119
13	Wnt signalling and cancer stem cells. <i>Clinical and Translational Oncology</i> , 2009, 11, 411-427.	1.2	100
14	Epigenetic loss of the familial tumor-suppressor gene exostosin-1 (EXT1) disrupts heparan sulfate synthesis in cancer cells. <i>Human Molecular Genetics</i> , 2004, 13, 2753-2765.	1.4	86
15	H-Ras Activation Promotes Cytoplasmic Accumulation and Phosphoinositide 3-OH Kinase Association of $\beta$ -Catenin in Epidermal Keratinocytes. <i>Journal of Cell Biology</i> , 1999, 146, 967-980.	2.3	85
16	Regulation of SNAIL1 and E-cadherin function by DNMT1 in a DNA methylation-independent context. <i>Nucleic Acids Research</i> , 2011, 39, 9194-9205.	6.5	82
17	The ADAMTS12 metalloproteinase exhibits anti-tumorigenic properties through modulation of the Ras-dependent ERK signalling pathway. <i>Journal of Cell Science</i> , 2007, 120, 3544-3552.	1.2	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. <i>Journal of Investigative Dermatology</i> , 2015, 135, 2611-2622.	0.3	66

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19	An Update on Src Family of Nonreceptor Tyrosine Kinases Biology. <i>International Review of Cell and Molecular Biology</i> , 2017, 331, 83-122.	1.6	58
20	Epigenetic control of nuclear architecture. <i>Cellular and Molecular Life Sciences</i> , 2007, 64, 449-457.	2.4	55
21	Protoporphyrin IX-dependent photodynamic production of endogenous ROS stimulates cell proliferation. <i>European Journal of Cell Biology</i> , 2012, 91, 216-223.	1.6	52
22	Nuclear envelope alterations generate an aging-like epigenetic pattern in mice deficient in Zmpste24 metalloprotease. <i>Aging Cell</i> , 2010, 9, 947-957.	3.0	50
23	Loss of E-cadherin mediated cell-cell adhesion as an early trigger of apoptosis induced by photodynamic treatment. <i>Journal of Cellular Physiology</i> , 2005, 205, 86-96.	2.0	45
24	Cellular Intrinsic Factors Involved in the Resistance of Squamous Cell Carcinoma to Photodynamic Therapy. <i>Journal of Investigative Dermatology</i> , 2014, 134, 2428-2437.	0.3	42
25	Hedgehog signalling as a target in cancer stem cells. <i>Clinical and Translational Oncology</i> , 2009, 11, 199-207.	1.2	41
26	Photodamage Induced by Zinc(II)-phthalocyanine to Microtubules, Actin, $\beta$ -Actinin and Keratin of HeLa Cells. <i>Photochemistry and Photobiology</i> , 2001, 73, 283-289.	1.3	40
27	In situ production of ROS in the skin by photodynamic therapy as a powerful tool in clinical dermatology. <i>Methods</i> , 2016, 109, 190-202.	1.9	39
28	DNA methylation and the functional organization of the nuclear compartment. <i>Seminars in Cell and Developmental Biology</i> , 2010, 21, 238-246.	2.3	38
29	Release of Hypoacetylated and Trimethylated Histone H4 Is an Epigenetic Marker of Early Apoptosis. <i>Journal of Biological Chemistry</i> , 2006, 281, 13540-13547.	1.6	34
30	Oncogenic H-Ras and PI3K signaling can inhibit E-cadherin-dependent apoptosis and promote cell survival after photodynamic therapy in mouse keratinocytes. <i>Journal of Cellular Physiology</i> , 2009, 219, 84-93.	2.0	34
31	Fluorescence microscopy of rat embryo sections stained with haematoxylin-eosin and Masson's trichrome method. <i>Journal of Microscopy</i> , 1998, 191, 20-27.	0.8	33
32	Selective fluorescence of eosinophilic structures in grasshopper and mammalian testis stained with haematoxylin-eosin. <i>Histochemistry</i> , 1993, 99, 385-390.	1.9	27
33	A role for the Tgf- $\beta$ /Bmp co-receptor Endoglin in the molecular oscillator that regulates the hair follicle cycle. <i>Journal of Molecular Cell Biology</i> , 2019, 11, 39-52.	1.5	27
34	Switching on a transient endogenous ROS production in mammalian cells and tissues. <i>Methods</i> , 2016, 109, 180-189.	1.9	23
35	Standard DNA Methylation Analysis in Mouse Epidermis: Bisulfite Sequencing, Methylation-Specific PCR, and 5-Methyl-Cytosine (5mC) Immunological Detection. <i>Methods in Molecular Biology</i> , 2014, 1094, 221-231.	0.4	23
36	Non-catalytic functions of DNMT1. <i>Epigenetics</i> , 2012, 7, 115-118.	1.3	22

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37	Heparan sulfate, heparin, and heparinase activity detection on polyacrylamide gel electrophoresis using the fluorochrome tris(2,2'-bipyridine) ruthenium (II). <i>Electrophoresis</i> , 2001, 22, 3-11.	1.3	19
38	<i>Cryptomphalus aspersa</i> mollusc eggs extract promotes migration and prevents cutaneous ageing in keratinocytes and dermal fibroblasts <i>in vitro</i> . <i>International Journal of Cosmetic Science</i> , 2015, 37, 41-55.	1.2	18
39	Non-aqueous permanent mounting for immunofluorescence microscopy. <i>Histochemistry and Cell Biology</i> , 2005, 123, 329-334.	0.8	15
40	Antiandrogenic drugs, a therapeutic option for frontal fibrosing alopecia patients. <i>Journal of the American Academy of Dermatology</i> , 2016, 74, e77.	0.6	11
41	Fluorescence of bisazo dye reaction products from the coupled tetrazonium method for proteins. <i>Acta Histochemica</i> , 1994, 96, 315-324.	0.9	10
42	Fluorescent cytochemistry of acid phosphatase and demonstration of fluid-phase endocytosis using an azo dye method. <i>Histochemistry and Cell Biology</i> , 1997, 108, 481-487.	0.8	10
43	Mouse models in epigenetics: insights in development and disease. <i>Briefings in Functional Genomics</i> , 2013, 12, 279-287.	1.3	9
44	Intrinsic activation of cell growth and differentiation in ex vivo cultured human hair follicles by a transient endogenous production of ROS. <i>Scientific Reports</i> , 2019, 9, 4509.	1.6	8
45	Fluorescence of eosinophil leucocyte granules induced by 1-hydroxy-3,6,8-pyrenetrisulfonate. Visualization of differences in protein isoelectric points. <i>Histochemistry and Cell Biology</i> , 1995, 104, 69-73.	0.8	7
46	New cationic fluorochromes from diaryloxazole scintillators: fluorescence of chromatin DNA induced by N-quaternary POPOP derivatives. <i>Acta Histochemica</i> , 1997, 99, 195-205.	0.9	7
47	Sustained Human Hair Follicle Growth Ex Vivo in a Glycosaminoglycan Hydrogel Matrix. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1741.	1.8	7
48	Direct metabolic regulation of $\beta$ -catenin activity by the p85 $\alpha$ regulatory subunit of phosphoinositide 3-OH kinase. <i>Experimental Cell Research</i> , 2005, 305, 409-417.	1.2	6
49	Fluorescent redox-dependent labeling of lipid droplets in cultured cells by reduced phenazine methosulfate. <i>Heliyon</i> , 2020, 6, e04182.	1.4	6
50	Recycling cultured cells for immunofluorescent labeling. <i>Histochemistry and Cell Biology</i> , 2001, 116, 41-47.	0.8	5
51	Nuevos modelos experimentales para el estudio de la homeostasis y la enfermedad cutánea. <i>Actas Dermo-sifiliográficas</i> , 2015, 106, 17-28.	0.2	5
52	Current methods to unravel ROS biology. <i>Methods</i> , 2016, 109, 1-2.	1.9	3
53	Deschampsia antarctica extract (Edafence®) as a powerful skin protection tool against the aging exposome. <i>Plastic and Aesthetic Research</i> , 0, 7, 69.	0.2	3
54	Preclinical photodynamic therapy research in Spain 4: Cytoskeleton and adhesion complexes of cultured tumor cells as targets of photosensitizers. <i>Journal of Porphyrins and Phthalocyanines</i> , 2009, 13, 552-559.	0.4	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. <i>Methods in Molecular Biology</i> , 2014, 1094, 79-88.	0.4	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. <i>Journal of Visualized Experiments</i> , 2020, , .	0.2	2
57	Melanin-Binding Colorants: Updating Molecular Modeling, Staining and Labeling Mechanisms, and Biomedical Perspectives. <i>Colorants</i> , 2022, 1, 91-120.	0.9	2
58	The deleterious effects induced by an acute exposure of human skin to common air pollutants are prevented by extracts of <i>Deschampsia antarctica</i> . <i>Scientific Reports</i> , 2021, 11, 23751.	1.6	2
59	A Photodynamic Tool to Promote a Sustained, ROS-Dependent Growth of Human Hair Follicles in Ex Vivo Culture. <i>Methods in Molecular Biology</i> , 2021, 2202, 51-61.	0.4	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. <i>Journal of Experimental Medicine</i> , 2008, 205, i10-i10.	4.2	0