Matilde Esther LLeonart

List of Publications by Year
in descending order

84 papers	5,702 citations	109321 35 h-index	76900 74 g-index
85 all docs	85 docs citations	85 times ranked	11097 citing authors

#	Article	IF	Citations
1	Oxidative stress and cancer: An overview. Ageing Research Reviews, 2013, 12, 376-390.	10.9	1,106
2	Glycolytic enzymes can modulate cellular life span. Cancer Research, 2005, 65, 177-85.	0.9	458
3	p16Ink4a overexpression in cancer: a tumor suppressor gene associated with senescence and high-grade tumors. Oncogene, 2011, 30, 2087-2097.	5.9	375
4	A High Glycolytic Flux Supports the Proliferative Potential of Murine Embryonic Stem Cells. Antioxidants and Redox Signaling, 2007, 9, 293-299.	5.4	302
5	Assessing the carcinogenic potential of low-dose exposures to chemical mixtures in the environment: the challenge ahead. Carcinogenesis, 2015, 36, S254-S296.	2.8	239
6	Insights into new mechanisms and models of cancer stem cell multidrug resistance. Seminars in Cancer Biology, 2020, 60, 166-180.	9.6	188
7	The hypoxic microenvironment: A determinant of cancer stem cell evolution. BioEssays, 2016, 38, S65-74.	2.5	164
8	Multiple microRNAs rescue from Ras-induced senescence by inhibiting p21Waf1/Cip1. Oncogene, 2010, 29, 2262-2271.	5.9	145
9	miR-125b Acts as a Tumor Suppressor in Breast Tumorigenesis via Its Novel Direct Targets ENPEP, CK2-Î±, CCNJ, and MEGF9. PLoS ONE, 2013, 8, e76247.	2.5	135
10	Disruption of Trrap causes early embryonic lethality and defects in cell cycle progression. Nature Genetics, 2001, 29, 206-211.	21.4	122
11	The cancer stem-cell signaling network and resistance to therapy. Cancer Treatment Reviews, 2016, 49, 25-36.	7.7	122
12	Protection from oxidative stress by enhanced glycolysis; a possible mechanism of cellular immortalization. Histology and Histopathology, 2007, 22, 85-90.	0.7	119
13	Immortalization of Primary Human Prostate Epithelial Cells by c-Myc. Cancer Research, 2005, 65, 2179-2185.	0.9	112
14	A new generation of proto-oncogenes: Cold-inducible RNA binding proteins. Biochimica Et Biophysica Acta: Reviews on Cancer, 2010, 1805, 43-52.	7.4	84
15	New p53 related genes in human tumors: significant downregulation in colon and lung carcinomas. Oncology Reports, 2006, 16, 603-8.	2.6	79
16	miR-99a reveals two novel oncogenic proteins E2F2 and EMR2 and represses stemness in lung cancer. Cell Death and Disease, 2017, 8, e3141-e3141.	6.3	78
17	Senescence induction; a possible cancer therapy. Molecular Cancer, 2009, 8, 3.	19.2	76
18	Expression of the ribosomal proteins Rplp0, Rplp1, and Rplp2 in gynecologic tumors. Human Pathology, 2011, 42, 194-203.	2.0	70

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19	Cold-Inducible RNA-Binding Protein Bypasses Replicative Senescence in Primary Cells through Extracellular Signal-Regulated Kinase 1 and 2 Activation. Molecular and Cellular Biology, 2009, 29, 1855-1868.	2.3	69
20	S-adenosylhomocysteine hydrolase downregulation contributes to tumorigenesis. Carcinogenesis, 2008, 29, 2089-2095.	2.8	65
21	Dysregulated glycolysis as an oncogenic event. Cellular and Molecular Life Sciences, 2015, 72, 1881-1892.	5.4	65
22	Ribosomal proteins as novel players in tumorigenesis. Cancer and Metastasis Reviews, 2014, 33, 115-41.	5.9	63
23	PPP1CA contributes to the senescence program induced by oncogenic Ras. Carcinogenesis, 2007, 29, 491-499.	2.8	61
24	Cellular senescence bypass screen identifies new putative tumor suppressor genes. Oncogene, 2008, 27, 1961-1970.	5.9	59
25	MicroRNAs and cancer stem cells: Therapeutic approaches and future perspectives. Cancer Letters, 2013, 338, 174-183.	7.2	59
26	MAP17 enhances the malignant behavior of tumor cells through ROS increase. Carcinogenesis, 2007, 28, 2096-2104.	2.8	55
27	Disruption of the ribosomal P complex leads to stress-induced autophagy. Autophagy, 2015, 11, 1499-1519.	9.1	52
28	MAP17 overexpression is a common characteristic of carcinomas. Carcinogenesis, 2007, 28, 1646-1652.	2.8	48
29	MAP17 and SGLT1 Protein Expression Levels as Prognostic Markers for Cervical Tumor Patient Survival. PLoS ONE, 2013, 8, e56169.	2.5	45
30	DNA Methylomes Reveal Biological Networks Involved in Human Eye Development, Functions and Associated Disorders. Scientific Reports, 2017, 7, 11762.	3.3	44
31	The interplay between autophagy and tumorigenesis: exploiting autophagy as a means of anticancer therapy. Biological Reviews, 2018, 93, 152-165.	10.4	43
32	Bypassing Mechanisms of Mitochondria-Mediated Cancer Stem Cells Resistance to Chemo- and Radiotherapy. Oxidative Medicine and Cellular Longevity, 2016, 2016, 1-10.	4.0	42
33	Quantitative Analysis of Plasma TP53 249Ser-Mutated DNA by Electrospray Ionization Mass Spectrometry. Cancer Epidemiology Biomarkers and Prevention, 2005, 14, 2956-2962.	2.5	40
34	Spinophilin acts as a tumor suppressor by regulating Rb phosphorylation. Cell Cycle, 2011, 10, 2751-2762.	2.6	40
35	Regulation of Replicative and Stress-Induced Senescence by RSK4, which is Down-regulated in Human Tumors. Clinical Cancer Research, 2009, 15, 4546-4553.	7.0	38
36	Loss of Heterozygosity in the Region Including the BRCA1 Gene on 17q in Colon Cancer. Cancer Genetics and Cytogenetics, 1998, 104, 119-123.	1.0	36

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37	Mitochondrial dysfunction and potential anticancer therapy. Medicinal Research Reviews, 2017, 37, 1275-1298.	10.5	36
38	Microsatellite instability and p53 mutations in sporadic right and left colon carcinoma. Cancer, 1998, 83, 889-895.	4.1	35
39	An association between viral genes and human oncogenic alterations: The adenovirus E1A induces the Ewing tumor fusion transcript EWSâ€"FLI1. Nature Medicine, 1999, 5, 1076-1079.	30.7	35
40	Common Metabolic Pathways Implicated in Resistance to Chemotherapy Point to a Key Mitochondrial Role in Breast Cancer*. Molecular and Cellular Proteomics, 2019, 18, 231-244.	3.8	34
41	Rplp1 bypasses replicative senescence and contributes to transformation. Experimental Cell Research, 2009, 315, 1372-1383.	2.6	33
42	Targeting cancer cells through antibiotics-induced mitochondrial dysfunction requires autophagy inhibition. Cancer Letters, 2017, 384, 60-69.	7.2	33
43	RPLP1, a Crucial Ribosomal Protein for Embryonic Development of the Nervous System. PLoS ONE, 2014, 9, e99956.	2.5	32
44	Senescence-inducing stress promotes proteolysis of phosphoglycerate mutase via ubiquitin ligase Mdm2. Journal of Cell Biology, 2014, 204, 729-745.	5.2	32
45	Disruptive chemicals, senescence and immortality. Carcinogenesis, 2015, 36, S19-S37.	2.8	32
46	Sensitive and specific detection of K-ras mutations in colon tumors by short oligonucleotide mass analysis. Nucleic Acids Research, 2004, 32, e53-e53.	14.5	31
47	Autophagy Takes Center Stage as a Possible Cancer Hallmark. Frontiers in Oncology, 2020, 10, 586069.	2.8	31
48	MicroRNAs Regulate Key Effector Pathways of Senescence. Journal of Aging Research, 2011, 2011, 1-11.	0.9	27
49	Adenovirus lacking the 19-kDa and 55-kDa E1B genes exerts a marked cytotoxic effect in human malignant cells. Cancer Gene Therapy, 1999, 6, 554-563.	4.6	24
50	Loss-of-function genetic screening identifies a cluster of ribosomal proteins regulating p53 function. Carcinogenesis, 2008, 29, 1343-1350.	2.8	24
51	Therapy-Induced Modulation of the Tumor Microenvironment: New Opportunities for Cancer Therapies. Frontiers in Oncology, 2020, 10, 582884.	2.8	23
52	Glycolysis and cellular immortalization. Drug Discovery Today Disease Mechanisms, 2005, 2, 263-267.	0.8	21
53	Reactive Oxygen Species-Mediated Autophagy Defines the Fate of Cancer Stem Cells. Antioxidants and Redox Signaling, 2018, 28, 1066-1079.	5.4	21
54	Impaired mitophagy in Fanconi anemia is dependent on mitochondrial fission. Oncotarget, 2016, 7, 58065-58074.	1.8	21

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55	Autophagy inhibition as a promising therapeutic target for laryngeal cancer. Carcinogenesis, 2019, 40, 1525-1534.	2.8	20
56	TSPAN1: A Novel Protein Involved in Head and Neck Squamous Cell Carcinoma Chemoresistance. Cancers, 2020, 12, 3269.	3.7	20
57	Cold-inducible RNA binding protein promotes breast cancer cell malignancy by regulating Cystatin C levels. Rna, 2021, 27, 190-201.	3.5	20
58	Epigenetic mechanisms in senescence, immortalisation and cancer. Biological Reviews, 2011, 86, 443-455.	10.4	17
59	Expression patterns and bioinformatic analysis of miR-1260a and miR-1274a in Prostate Cancer Tunisian patients. Molecular Biology Reports, 2018, 45, 2345-2358.	2.3	17
60	In vivo radiosensitizing effect of the adenovirus E1A gene in murine and human malignant tumors.. International Journal of Oncology, 1999, 15, 1163-8.	3.3	16
61	Prostate Tumor Overexpressed-1 (PTOV1) promotes docetaxel-resistance and survival of castration resistant prostate cancer cells. Oncotarget, 2017, 8, 59165-59180.	1.8	15
62	Stem cell MicroRNAs in senescence and immortalization: novel players in cancer therapy. Medicinal Research Reviews, 2013, 33, 112-138.	10.5	14
63	RNA-binding proteins: Underestimated contributors in tumorigenesis. Seminars in Cancer Biology, 2022, 86, 431-444.	9.6	14
64	Tumor heterogeneity: morphological, molecular and clinical implications. Histology and Histopathology, 2000, 15, 881-98.	0.7	13
65	Five microRNAs in Serum Are Able to Differentiate Breast Cancer Patients From Healthy Individuals. Frontiers in Oncology, 2020, 10, 586268.	2.8	12
66	SDCBP Modulates Stemness and Chemoresistance in Head and Neck Squamous Cell Carcinoma through Src Activation. Cancers, 2021, 13, 4952.	3.7	11
67	Targeting the â€œundruggableâ€ RNA-binding proteins in the spotlight in cancer therapy. Seminars in Cancer Biology, 2022, 86, 69-83.	9.6	11
68	Phosphoglycerate Mutase Cooperates with Chk1 Kinase to Regulate Glycolysis. IScience, 2020, 23, 101306.	4.1	10
69	Characterization of genetically modified mice for phosphoglycerate mutase, a vitally-essential enzyme in glycolysis. PLoS ONE, 2021, 16, e0250856.	2.5	10
70	Otologic, audiometric and speech findings in patients undergoing surgery for cleft palate. BMC Pediatrics, 2018, 18, 350.	1.7	9
71	Tumor Profiling at the Service of Cancer Therapy. Frontiers in Oncology, 2020, 10, 595613.	2.8	9
72	The role of prostate tumor overexpressed 1 in cancer progression. Oncotarget, 2017, 8, 12451-12471.	1.8	9

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73	A High Glycolytic Flux Supports the Proliferative Potential of Murine Embryonic Stem Cells. Antioxidants and Redox Signaling, 2006, .	5.4	8
74	TSPAN1, a novel tetraspanin member highly involved in carcinogenesis and chemoresistance. Biochimica Et Biophysica Acta: Reviews on Cancer, 2022, 1877, 188674.	7.4	5
75	Schwannomas, benign tumors with a senescent phenotype. Histology and Histopathology, 2014, 29, 721-30.	0.7	5
76	Perspectives in gene therapy. Histology and Histopathology, 1998, 13, 231-42.	0.7	4
77	Editorial: How Do Metabolism, Angiogenesis, and Hypoxia Modulate Resistance?. Frontiers in Oncology, 2021, 11, 671222.	2.8	3
78	Understanding RNA-binding proteins. Seminars in Cancer Biology, 2022, 86, 135-136.	9.6	2
79	Adenovirus E1A orchestrates the urokinase-plasminogen activator system and upregulates PAI-2 expression, supporting a tumor suppressor effect. International Journal of Oncology, 2006, 28, 143.	3.3	1
80	Cancer, Senescence, and Aging: Translation from Basic Research to Clinics. Journal of Aging Research, 2011, 2011, 1-2.	0.9	1
81	Microsatellite instability and p53 mutations in sporadic right and left colon carcinoma. Cancer, 1998, 83, 889-895.	4.1	1
82	In Vivo Tumor Suppressor Effect of Retrovirus-Mediated Gene Transfer of the Adenovirus E1a Gene. Advances in Experimental Medicine and Biology, 1998, 451, 79-86.	1.6	1
83	Antitumor Effect of E1B Defective Adenoviruses in Human Malignant Cells. Advances in Experimental Medicine and Biology, 1998, 451, 87-89.	1.6	1
84	Role of Senescence Induction in Cancer Therapy. , 2013, , 281-289.		0