

Luisa Lanfrancone

List of Publications by Year in descending order

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86
papers

8,891
citations

87723

38
h-index

62479

80
g-index

89
all docs

89
docs citations

89
times ranked

10055
citing authors

#	ARTICLE	IF	CITATIONS
1	The p66shc adaptor protein controls oxidative stress response and life span in mammals. <i>Nature</i> , 1999, 402, 309-313.	13.7	1,619
2	A novel transforming protein (SHC) with an SH2 domain is implicated in mitogenic signal transduction. <i>Cell</i> , 1992, 70, 93-104.	13.5	1,348
3	Interrogating open issues in cancer precision medicine with patient-derived xenografts. <i>Nature Reviews Cancer</i> , 2017, 17, 254-268.	12.8	527
4	Inhibition of anchorage-dependent cell spreading triggers apoptosis in cultured human endothelial cells. <i>Journal of Cell Biology</i> , 1994, 127, 537-546.	2.3	490
5	A p53-p66Shc signalling pathway controls intracellular redox status, levels of oxidation-damaged DNA and oxidative stress-induced apoptosis. <i>Oncogene</i> , 2002, 21, 3872-3878.	2.6	410
6	Opposite effects of the p52shc/p46shc and p66shc splicing isoforms on the EGF receptor-MAP kinase-fos signalling pathway. <i>EMBO Journal</i> , 1997, 16, 706-716.	3.5	373
7	Expression of adhesion molecules and chemotactic cytokines in cultured human mesothelial cells. <i>Journal of Experimental Medicine</i> , 1992, 176, 1165-1174.	4.2	284
8	The Life Span Determinant p66Shc Localizes to Mitochondria Where It Associates with Mitochondrial Heat Shock Protein 70 and Regulates Trans-membrane Potential. <i>Journal of Biological Chemistry</i> , 2004, 279, 25689-25695.	1.6	260
9	Not all Shc's roads lead to Ras. <i>Trends in Biochemical Sciences</i> , 1996, 21, 257-261.	3.7	225
10	Transformation by polyoma virus middle T-antigen involves the binding and tyrosine phosphorylation of Shc. <i>Nature</i> , 1994, 367, 87-90.	13.7	213
11	Combination of Hypoglycemia and Metformin Impairs Tumor Metabolic Plasticity and Growth by Modulating the PP2A-GSK3 β -MCL-1 Axis. <i>Cancer Cell</i> , 2019, 35, 798-815.e5.	7.7	212
12	Transcriptional activation of RagD GTPase controls mTORC1 and promotes cancer growth. <i>Science</i> , 2017, 356, 1188-1192.	6.0	165
13	Amplification of the c-myc oncogene in a case of human acute myelogenous leukemia. <i>Science</i> , 1984, 224, 1117-1121.	6.0	153
14	Tbx3 Represses E-Cadherin Expression and Enhances Melanoma Invasiveness. <i>Cancer Research</i> , 2008, 68, 7872-7881.	0.4	130
15	p66SHC Promotes Apoptosis and Antagonizes Mitogenic Signaling in T Cells. <i>Molecular and Cellular Biology</i> , 2004, 24, 1747-1757.	1.1	124
16	Conservation of copy number profiles during engraftment and passaging of patient-derived cancer xenografts. <i>Nature Genetics</i> , 2021, 53, 86-99.	9.4	118
17	In Vivo Functional Platform Targeting Patient-Derived Xenografts Identifies WDR5-Myc Association as a Critical Determinant of Pancreatic Cancer. <i>Cell Reports</i> , 2016, 16, 133-147.	2.9	114
18	Genetic Deletion of the p66 Shc Adaptor Protein Protects From Angiotensin II-Induced Myocardial Damage. <i>Hypertension</i> , 2005, 46, 433-440.	1.3	101

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19	Identification and characterization of novel human endogenous retroviral sequences preferentially expressed in undifferentiated embryonal carcinoma cells. <i>Nucleic Acids Research</i> , 1991, 19, 1513-1520.	6.5	99
20	The R115 subunit of protein kinase A (PKA) binds to Grb2 and allows PKA interaction with the activated EGF-Receptor. <i>Oncogene</i> , 1997, 14, 923-928.	2.6	94
21	Expression of H-RASV12 in a zebrafish model of Costello syndrome causes cellular senescence in adult proliferating cells. <i>DMM Disease Models and Mechanisms</i> , 2009, 2, 56-67.	1.2	77
22	Modified phage peptide libraries as a tool to study specificity of phosphorylation and recognition of tyrosine containing peptides 1 Edited by J. Karn. <i>Journal of Molecular Biology</i> , 1997, 269, 694-703.	2.0	74
23	Shc Proteins Are Localized on Endoplasmic Reticulum Membranes and Are Redistributed after Tyrosine Kinase Receptor Activation. <i>Molecular and Cellular Biology</i> , 1996, 16, 1946-1954.	1.1	69
24	Vascular Endothelial Growth Factor Induces Shc Association With Vascular Endothelial Cadherin. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2002, 22, 617-622.	1.1	69
25	RaLP, a New Member of the Src Homology and Collagen Family, Regulates Cell Migration and Tumor Growth of Metastatic Melanomas. <i>Cancer Research</i> , 2007, 67, 3064-3073.	0.4	69
26	Beclin 1 restrains tumorigenesis through Mcl-1 destabilization in an autophagy-independent reciprocal manner. <i>Nature Communications</i> , 2014, 5, 5637.	5.8	65
27	<i>In Vivo</i> Genetic Screens of Patient-Derived Tumors Revealed Unexpected Frailty of the Transformed Phenotype. <i>Cancer Discovery</i> , 2016, 6, 650-663.	7.7	59
28	Evolutionary conservation in various mammalian species of the human proliferation-associated epitope recognized by the Ki-67 monoclonal antibody.. <i>Journal of Histochemistry and Cytochemistry</i> , 1989, 37, 1471-1478.	1.3	57
29	p52Shc is required for CXCR4-dependent signaling and chemotaxis in T cells. <i>Blood</i> , 2007, 110, 1730-1738.	0.6	55
30	Activation of cord T lymphocytes. <i>Cellular Immunology</i> , 1990, 127, 247-259.	1.4	54
31	An X chromosome-linked gene encoding a protein with characteristics of a rhoGAP predominantly expressed in hematopoietic cells.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996, 93, 695-699.	3.3	50
32	Dual modulation of MCL-1 and mTOR determines the response to sunitinib. <i>Journal of Clinical Investigation</i> , 2016, 127, 153-168.	3.9	49
33	Constitutive activation of the Ras/MAP kinase pathway and enhanced TCR signaling by targeting the Shc adaptor to membrane rafts. <i>Oncogene</i> , 2000, 19, 1529-1537.	2.6	48
34	cDNA isolation, expression analysis, and chromosomal localization of two human zinc finger genes. <i>Genomics</i> , 1990, 6, 333-340.	1.3	47
35	p53 Loss in Breast Cancer Leads to Myc Activation, Increased Cell Plasticity, and Expression of a Mitotic Signature with Prognostic Value. <i>Cell Reports</i> , 2019, 26, 624-638.e8.	2.9	47
36	Adaptor ShcA Protein Binds Tyrosine Kinase Tie2 Receptor and Regulates Migration and Sprouting but Not Survival of Endothelial Cells. <i>Journal of Biological Chemistry</i> , 2004, 279, 13224-13233.	1.6	44

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37	Molecular networks in melanoma invasion and metastasis. <i>Future Oncology</i> , 2013, 9, 713-726.	1.1	41
38	Isolation of cDNAs encoding finger proteins and measurement of the corresponding mRNA levels during myeloid terminal differentiation. <i>Nucleic Acids Research</i> , 1988, 16, 4227-4237.	6.5	39
39	Expression pattern of c-fes oncogene mRNA in human myeloid cells. <i>International Journal of Cancer</i> , 1989, 44, 35-38.	2.3	38
40	RNAi screens identify CHD4 as an essential gene in breast cancer growth. <i>Oncotarget</i> , 2016, 7, 80901-80915.	0.8	37
41	The proapoptotic and antimetastatic protein p66SHC acts as a negative regulator of lymphocyte activation and autoimmunity. <i>Blood</i> , 2008, 111, 5017-5027.	0.6	36
42	Tyrosine 474 of ZAP-70 Is Required for Association with the Shc Adaptor and for T-cell Antigen Receptor-dependent Gene Activation. <i>Journal of Biological Chemistry</i> , 1998, 273, 20487-20493.	1.6	35
43	Pirin Inhibits Cellular Senescence in Melanocytic Cells. <i>American Journal of Pathology</i> , 2011, 178, 2397-2406.	1.9	31
44	WDR5 inhibition halts metastasis dissemination by repressing the mesenchymal phenotype of breast cancer cells. <i>Breast Cancer Research</i> , 2019, 21, 123.	2.2	31
45	Cooperation and selectivity of the two Grb2 binding sites of p52Shc in T-cell antigen receptor signaling to Ras family GTPases and Myc-dependent survival. <i>Oncogene</i> , 2005, 24, 2218-2228.	2.6	29
46	The adaptor protein shc is involved in the negative regulation of NK cell-mediated cytotoxicity. <i>European Journal of Immunology</i> , 2001, 31, 2016-2025.	1.6	28
47	Oncogene mobility in a human leukemia line HL-60. <i>Cancer Genetics and Cytogenetics</i> , 1985, 17, 133-141.	1.0	26
48	Chromosome Locations of Genes Encoding Human Signal Transduction Adapter Proteins, Nck (NCK), Shc (SHC1), and Grb2 (GRB2). <i>Genomics</i> , 1994, 22, 281-287.	1.3	26
49	Human endothelial cells expressing polyoma middle T induce tumors. <i>Oncogene</i> , 2000, 19, 3632-3641.	2.6	24
50	Epidermal growth factor modulates pepsinogen secretion in guinea pig gastric chief cells. <i>Gastroenterology</i> , 1996, 111, 945-958.	0.6	23
51	Pirin delocalization in melanoma progression identified by high content immuno-detection based approaches. <i>BMC Cell Biology</i> , 2010, 11, 5.	3.0	23
52	Inhibitory effect of the somatostatin analog octreotide on rat pituitary tumor cell (GH3) proliferation in vitro. <i>Journal of Endocrinological Investigation</i> , 1990, 13, 657-662.	1.8	22
53	Cellular Heterogeneity During Embryonic Stem Cell Differentiation to Epiblast Stem Cells Is Revealed by the ShcD/RaLP Adaptor Protein. <i>Stem Cells</i> , 2012, 30, 2423-2436.	1.4	21
54	Long non-coding RNA TINCR suppresses metastatic melanoma dissemination by preventing ATF4 translation. <i>EMBO Reports</i> , 2021, 22, e50852.	2.0	21

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55	Basis for defective proliferation of peripheral blood T cells to anti-CD2 antibodies in primary Sjögren's syndrome.. Journal of Clinical Investigation, 1990, 86, 1870-1877.	3.9	21
56	Mechanism of Activation and Biological Role of the c-myc Oncogene in B-cell Lymphomagenesis. Annals of the New York Academy of Sciences, 1987, 511, 207-218.	1.8	20
57	Structural and functional organization of the HF.10 human zinc finger gene (ZNF35) located on chromosome 3p21-p22. Genomics, 1992, 12, 720-728.	1.3	20
58	Salicylates Inhibit T Cell Adhesion on Endothelium Under Nonstatic Conditions: Induction of L-Selectin Shedding by a Tyrosine Kinase-Dependent Mechanism. Journal of Immunology, 2001, 166, 832-840.	0.4	18
59	Bombesin-Induced Pancreatic Regeneration in Pigs Is Mediated by p46Shc/p52Shc and p42/p44 Mitogen-Activated Protein Kinase Upregulation. Scandinavian Journal of Gastroenterology, 1998, 33, 1310-1320.	0.6	17
60	Retroviral gene transfer, rapid selection, and maintenance of the immature phenotype in mouse dendritic cells. Journal of Leukocyte Biology, 1999, 66, 263-267.	1.5	17
61	The chromodomain helicase CHD4 regulates ERBB2 signaling pathway and autophagy in ERBB2+ breast cancer cells. Biology Open, 2019, 8, .	0.6	16
62	Regulation of LncRNAs in Melanoma and Their Functional Roles in the Metastatic Process. Cells, 2022, 11, 577.	1.8	13
63	Human leukemia cells synthesize and secrete proteins related to platelet-derived growth factor.. Proceedings of the National Academy of Sciences of the United States of America, 1986, 83, 5526-5530.	3.3	12
64	Localization of the human HF.10 finger gene on a chromosome region (3p21-p22) frequently deleted in human cancers. Human Genetics, 1990, 84, 391-5.	1.8	12
65	Cancer genetics. Current Opinion in Genetics and Development, 1994, 4, 109-119.	1.5	12
66	Development of Personalized Therapeutic Strategies by Targeting Actionable Vulnerabilities in Metastatic and Chemotherapy-Resistant Breast Cancer PDXs. Cells, 2019, 8, 605.	1.8	12
67	Suppressor macrophages in tumor-bearing mice. Inconsistency between in vivo and in vitro findings?. International Journal of Cancer, 1982, 29, 695-698.	2.3	10
68	Release of hemopoietic factors by normal human T cell lines with either suppressor or helper activity. Journal of Cellular Physiology, 1985, 122, 7-13.	2.0	10
69	Chromosomal localization of four human zinc finger cDNAs. Human Genetics, 1993, 91, 217-222.	1.8	10
70	Structure and Expression of Translocated c-myc Oncogenes: Specific Differences in Endemic, Sporadic and AIDS-Associated Forms of Burkitt Lymphomas. Current Topics in Microbiology and Immunology, 1986, 132, 257-265.	0.7	10
71	Melanoma: targeting signaling pathways and RaLP. Expert Opinion on Therapeutic Targets, 2009, 13, 93-104.	1.5	8
72	Modeling cell proliferation in human acute myeloid leukemia xenografts. Bioinformatics, 2019, 35, 3378-3386.	1.8	8

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73	Loss of amplification and appearance of a novel translocation site of the c-myc oncogene in HL-60 leukemia cells. <i>Cancer Genetics and Cytogenetics</i> , 1991, 56, 57-64.	1.0	6
74	ShcD Binds DOCK4, Promotes Ameboid Motility and Metastasis Dissemination, Predicting Poor Prognosis in Melanoma. <i>Cancers</i> , 2020, 12, 3366.	1.7	6
75	Functional and phenotypic characterization of two HL60 clones resistant to dimethylsulfoxide. <i>Experimental Cell Research</i> , 1983, 147, 111-118.	1.2	5
76	Establishment from an adult leukemic patient of two novel precursor B cell lines with different growth modality. <i>Leukemia Research</i> , 1990, 14, 177-184.	0.4	5
77	Transcriptional analysis of the Aurora inhibitor Danusertib leading to biomarker identification in TP53 wild type cells. <i>Gene</i> , 2012, 494, 202-208.	1.0	4
78	Investigating the metastatic niche in melanoma: a new therapeutic opportunity?. <i>Future Oncology</i> , 2014, 10, 699-701.	1.1	3
79	Human lung carcinoma cells engineered to release IL2, IL7, GM-CSF and TNF alpha. <i>International Journal of Oncology</i> , 1996, 8, 765-72.	1.4	1
80	In Vivo Requirements for the Immune Recognition of L1210 Leukemia Cells by Allogeneic T-Lymphocytes. <i>Tumori</i> , 1983, 69, 403-408.	0.6	0
81	Hematopoietic Growth Factors Expression in Normal Human Phagocytic Cells. <i>International Journal of Immunopathology and Pharmacology</i> , 1989, 2, 55-61.	1.0	0
82	127 Localization of the human P10 finger gene on a chromosomal region (3p21) deleted in human lung cancers. <i>Cancer Genetics and Cytogenetics</i> , 1989, 38, 202.	1.0	0
83	Precision Photometer Heads as Primary Transducers in Devices Used to Measure Luminous Quantities. <i>Measurement Techniques</i> , 2002, 45, 164-167.	0.2	0
84	14-PO11 Expression of H-RASV12 in a zebrafish model of Costello syndrome causes cellular senescence in adult proliferating cells. <i>Mechanisms of Development</i> , 2009, 126, S242.	1.7	0
85	Abstract 1701: Identification of epigenetic modifiers able to suppress growth of pancreatic ductal adenocarcinoma: A patient-oriented in vivo functional platform. , 2015, , .		0
86	The ACC melanoma pilot project: "Real-world" evaluation of an NGS platform for molecular characterization of melanoma in Italy.. <i>Journal of Clinical Oncology</i> , 2019, 37, e14600-e14600.	0.8	0