

Maria Sibilía

List of Publications by Year in descending order

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106
papers

11,714
citations

50170

46
h-index

28224

105
g-index

111
all docs

111
docs citations

111
times ranked

17086
citing authors

#	ARTICLE	IF	CITATIONS
1	Loss of the Suv39h Histone Methyltransferases Impairs Mammalian Heterochromatin and Genome Stability. <i>Cell</i> , 2001, 107, 323-337.	13.5	1,552
2	Strain-dependent epithelial defects in mice lacking the EGF receptor. <i>Science</i> , 1995, 269, 234-238.	6.0	945
3	Distinct Neural Stem Cells Proliferate in Response to EGF and FGF in the Developing Mouse Telencephalon. <i>Developmental Biology</i> , 1999, 208, 166-188.	0.9	742
4	Amino-terminal phosphorylation of c-Jun regulates stress-induced apoptosis and cellular proliferation. <i>Nature Genetics</i> , 1999, 21, 326-329.	9.4	645
5	EGF Receptor Is Required for KRAS-Induced Pancreatic Tumorigenesis. <i>Cancer Cell</i> , 2012, 22, 304-317.	7.7	445
6	EGF Receptor Signaling Is Essential for K-Ras Oncogene-Driven Pancreatic Ductal Adenocarcinoma. <i>Cancer Cell</i> , 2012, 22, 318-330.	7.7	339
7	Amphiregulin Enhances Regulatory T Cell-Suppressive Function via the Epidermal Growth Factor Receptor. <i>Immunity</i> , 2013, 38, 275-284.	6.6	324
8	Autocrine VEGF Signaling Synergizes with EGFR in Tumor Cells to Promote Epithelial Cancer Development. <i>Cell</i> , 2010, 140, 268-279.	13.5	311
9	The epidermal growth factor receptor: from development to tumorigenesis. <i>Differentiation</i> , 2007, 75, 770-787.	1.0	289
10	The EGF Receptor Provides an Essential Survival Signal for SOS-Dependent Skin Tumor Development. <i>Cell</i> , 2000, 102, 211-220.	13.5	288
11	A strain-independent postnatal neurodegeneration in mice lacking the EGF receptor. <i>EMBO Journal</i> , 1998, 17, 719-731.	3.5	278
12	The EGF receptor is required for efficient liver regeneration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 17081-17086.	3.3	267
13	Functions of c-Jun in Liver and Heart Development. <i>Journal of Cell Biology</i> , 1999, 145, 1049-1061.	2.3	252
14	Imiquimod clears tumors in mice independent of adaptive immunity by converting pDCs into tumor-killing effector cells. <i>Journal of Clinical Investigation</i> , 2012, 122, 575-585.	3.9	250
15	c-Jun Regulates Eyelid Closure and Skin Tumor Development through EGFR Signaling. <i>Developmental Cell</i> , 2003, 4, 879-889.	3.1	248
16	Impaired postnatal hepatocyte proliferation and liver regeneration in mice lacking c-jun in the liver. <i>EMBO Journal</i> , 2002, 21, 1782-1790.	3.5	234
17	EGFR has a tumour-promoting role in liver macrophages during hepatocellular carcinoma formation. <i>Nature Cell Biology</i> , 2014, 16, 972-981.	4.6	198
18	Epidermal EGFR Controls Cutaneous Host Defense and Prevents Inflammation. <i>Science Translational Medicine</i> , 2013, 5, 199ra111.	5.8	197

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19	Identification and Characterization of pDC-Like Cells in Normal Mouse Skin and Melanomas Treated with Imiquimod. <i>Journal of Immunology</i> , 2004, 173, 3051-3061.	0.4	193
20	Oncogenic transformation by ras and fos is mediated by c-Jun N-terminal phosphorylation. <i>Oncogene</i> , 2000, 19, 2657-2663.	2.6	189
21	Epidermal Growth Factor Receptor Signaling Synergizes with Hedgehog/GLI in Oncogenic Transformation via Activation of the MEK/ERK/JUN Pathway. <i>Cancer Research</i> , 2009, 69, 1284-1292.	0.4	189
22	EGFR Signaling in Liver Diseases. <i>International Journal of Molecular Sciences</i> , 2016, 17, 30.	1.8	161
23	Hedgehog-EGFR cooperation response genes determine the oncogenic phenotype of basal cell carcinoma and tumour-initiating pancreatic cancer cells. <i>EMBO Molecular Medicine</i> , 2012, 4, 218-233.	3.3	155
24	Liver Cancer Initiation Requires p53 Inhibition by CD44-Enhanced Growth Factor Signaling. <i>Cancer Cell</i> , 2018, 33, 1061-1077.e6.	7.7	151
25	Mice humanised for the EGF receptor display hypomorphic phenotypes in skin, bone and heart. <i>Development (Cambridge)</i> , 2003, 130, 4515-4525.	1.2	113
26	Neuronal survival depends on EGFR signaling in cortical but not midbrain astrocytes. <i>EMBO Journal</i> , 2006, 25, 752-762.	3.5	113
27	Raf-1 Addiction in Ras-Induced Skin Carcinogenesis. <i>Cancer Cell</i> , 2009, 16, 149-160.	7.7	99
28	Afatinib restrains K-RAS-driven lung tumorigenesis. <i>Science Translational Medicine</i> , 2018, 10, .	5.8	99
29	Defective Angiogenesis Delays Thrombus Resolution. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014, 34, 810-819.	1.1	95
30	Specific roles for dendritic cell subsets during initiation and progression of psoriasis. <i>EMBO Molecular Medicine</i> , 2014, 6, 1312-1327.	3.3	92
31	Mechanisms underlying skin disorders induced by EGFR inhibitors. <i>Molecular and Cellular Oncology</i> , 2015, 2, e1004969.	0.3	86
32	RNA editing of Filamin A pre-mRNA regulates vascular contraction and diastolic blood pressure. <i>EMBO Journal</i> , 2018, 37, .	3.5	86
33	Epidermal Growth Factor Receptor Expression Licenses Type-2 Helper T Cells to Function in a T Cell Receptor-Independent Fashion. <i>Immunity</i> , 2017, 47, 710-722.e6.	6.6	82
34	Ectodomain shedding of EGFR ligands and TNFR1 dictates hepatocyte apoptosis during fulminant hepatitis in mice. <i>Journal of Clinical Investigation</i> , 2010, 120, 2731-2744.	3.9	76
35	The EGFR network in bone biology and pathology. <i>Trends in Endocrinology and Metabolism</i> , 2009, 20, 517-524.	3.1	75
36	EGFR in Tumor-Associated Myeloid Cells Promotes Development of Colorectal Cancer in Mice and Associates With Outcomes of Patients. <i>Gastroenterology</i> , 2017, 153, 178-190.e10.	0.6	72

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37	High-Affinity IgE Receptors on Dendritic Cells Exacerbate Th2-Dependent Inflammation. <i>Journal of Immunology</i> , 2011, 187, 164-171.	0.4	71
38	Differential Utilization and Localization of ErbB Receptor Tyrosine Kinases in Skin Compared to Normal and Malignant Keratinocytes. <i>Neoplasia</i> , 2001, 3, 339-350.	2.3	68
39	Wnt signaling and Loxl2 promote aggressive osteosarcoma. <i>Cell Research</i> , 2020, 30, 885-901.	5.7	68
40	TNF α shedding and epidermal inflammation are controlled by Jun proteins. <i>Genes and Development</i> , 2009, 23, 2663-2674.	2.7	64
41	ADAM17 is required for EGF-R α -induced intestinal tumors via IL-6 trans-signaling. <i>Journal of Experimental Medicine</i> , 2018, 215, 1205-1225.	4.2	63
42	EPHA2 Is a Predictive Biomarker of Resistance and a Potential Therapeutic Target for Improving Antiepidermal Growth Factor Receptor Therapy in Colorectal Cancer. <i>Molecular Cancer Therapeutics</i> , 2019, 18, 845-855.	1.9	58
43	Divergent roles of HDAC1 and HDAC2 in the regulation of epidermal development and tumorigenesis. <i>EMBO Journal</i> , 2013, 32, 3176-3191.	3.5	57
44	EGFR controls bone development by negatively regulating mTOR-signaling during osteoblast differentiation. <i>Cell Death and Differentiation</i> , 2018, 25, 1094-1106.	5.0	57
45	Loss of Epidermal Growth Factor Receptor in Vascular Smooth Muscle Cells and Cardiomyocytes Causes Arterial Hypotension and Cardiac Hypertrophy. <i>Hypertension</i> , 2013, 61, 333-340.	1.3	56
46	TUSC3 Loss Alters the ER Stress Response and Accelerates Prostate Cancer Growth in vivo. <i>Scientific Reports</i> , 2014, 4, 3739.	1.6	54
47	EWS-FLI1 perturbs MRTFB/YAP-1/TEAD target gene regulation inhibiting cytoskeletal autoregulatory feedback in Ewing sarcoma. <i>Oncogene</i> , 2017, 36, 5995-6005.	2.6	46
48	Evidence That Cingulin Regulates Endothelial Barrier Function In Vitro and In Vivo. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2016, 36, 647-654.	1.1	42
49	Psoriatic skin inflammation is promoted by c α Jun/AP α -dependent CCL2 and IL α 23 expression in dendritic cells. <i>EMBO Molecular Medicine</i> , 2021, 13, e12409.	3.3	42
50	Early Embryonic Lethality of Mice Lacking the Essential Protein SNEV. <i>Molecular and Cellular Biology</i> , 2007, 27, 3123-3130.	1.1	41
51	Sequential Cooperation of CD2 and CD48 in the Buildup of the Early TCR Signalosome. <i>Journal of Immunology</i> , 2009, 182, 7672-7680.	0.4	40
52	hVps37A Status Affects Prognosis and Cetuximab Sensitivity in Ovarian Cancer. <i>Clinical Cancer Research</i> , 2011, 17, 7816-7827.	3.2	37
53	Epidermal autonomous VEGFA/Flt1/Nrp1 functions mediate psoriasis-like disease. <i>Science Advances</i> , 2020, 6, eaax5849.	4.7	37
54	Consequences of Epidermal Growth Factor Receptor (ErbB1) Loss for Vascular Smooth Muscle Cells From Mice With Targeted Deletion of ErbB1. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011, 31, 1643-1652.	1.1	36

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55	Bacterial ghosts as adjuvant to oxaliplatin chemotherapy in colorectal carcinomatosis. <i>Oncolmmunology</i> , 2018, 7, e1424676.	2.1	35
56	Requirement of Stat3 Signaling in the Postnatal Development of Thymic Medullary Epithelial Cells. <i>PLoS Genetics</i> , 2016, 12, e1005776.	1.5	33
57	Qualitative and quantitative reevaluation of epidermal growth factorâ€ErbB1 action on developing midbrain dopaminergic neurons <i>in vivo</i> and <i>in vitro</i> : targetâ€Ederived neurotrophic signaling (Part 1). <i>Journal of Neurochemistry</i> , 2011, 118, 45-56.	2.1	31
58	BRAF and MEK Inhibitors Increase PD-1-Positive Melanoma Cells Leading to a Potential Lymphocyte-Independent Synergism with Antiâ€PD-1 Antibody. <i>Clinical Cancer Research</i> , 2018, 24, 3377-3385.	3.2	31
59	EGFR inhibitors erlotinib and lapatinib ameliorate epidermal blistering in pemphigus vulgaris in a nonâ€linear, V-shaped relationship. <i>Experimental Dermatology</i> , 2014, 23, 33-38.	1.4	30
60	CCL7 contributes to the TNFâ€alpha-dependent inflammation of lesional psoriatic skin. <i>Experimental Dermatology</i> , 2015, 24, 522-528.	1.4	30
61	Interruption of vascular endothelial growth factor receptor 2 signaling induces a proliferative pulmonary vasculopathy and pulmonary hypertension. <i>Basic Research in Cardiology</i> , 2020, 115, 58.	2.5	28
62	Effects of Imiquimod on Hair Follicle Stem Cells and Hair Cycle Progression. <i>Journal of Investigative Dermatology</i> , 2016, 136, 2140-2149.	0.3	26
63	Transcription-independent Induction of ERBB1 through Hypoxia-inducible Factor 2A Provides Cardioprotection during Ischemia and Reperfusion. <i>Anesthesiology</i> , 2020, 132, 763-780.	1.3	26
64	IDO1+ Paneth cells promote immune escape of colorectal cancer. <i>Communications Biology</i> , 2020, 3, 252.	2.0	26
65	EGFR is required for FOSâ€dependent bone tumor development via RSK2/CREB signaling. <i>EMBO Molecular Medicine</i> , 2018, 10, .	3.3	24
66	Dithranol targets keratinocytes, their crosstalk with neutrophils and inhibits the IL-36 inflammatory loop in psoriasis. <i>ELife</i> , 2020, 9, .	2.8	24
67	Hair eruption initiates and commensal skin microbiota aggravate adverse events of anti-EGFR therapy. <i>Science Translational Medicine</i> , 2019, 11, .	5.8	23
68	AXL is a predictor of poor survival and of resistance to anti-EGFR therapy in RAS wild-type metastatic colorectal cancer. <i>European Journal of Cancer</i> , 2020, 138, 1-10.	1.3	23
69	The protein tyrosine kinase Tec regulates mast cell function. <i>European Journal of Immunology</i> , 2009, 39, 3228-3238.	1.6	22
70	Epidermal growth factor signaling protects from cholestatic liver injury and fibrosis. <i>Journal of Molecular Medicine</i> , 2017, 95, 109-117.	1.7	21
71	Epidermal activation of Hedgehog signaling establishes an immunosuppressive microenvironment in basal cell carcinoma by modulating skin immunity. <i>Molecular Oncology</i> , 2020, 14, 1930-1946.	2.1	21
72	Skin Inflammation Is Not Sufficient to Break Tolerance Induced against a Novel Antigen. <i>Journal of Immunology</i> , 2009, 183, 1133-1143.	0.4	19

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73	How imiquimod licenses plasmacytoid dendritic cells to kill tumors. <i>Oncolmmunology</i> , 2012, 1, 1661-1663.	2.1	19
74	EGFR/Ras-induced CCL20 production modulates the tumour microenvironment. <i>British Journal of Cancer</i> , 2020, 123, 942-954.	2.9	18
75	The AP-1 transcription factors c-Jun and JunB are essential for CD8 ⁺ conventional dendritic cell identity. <i>Cell Death and Differentiation</i> , 2021, 28, 2404-2420.	5.0	18
76	Consequences of postnatal vascular smooth muscle EGFR deletion on acute angiotensin II action. <i>Clinical Science</i> , 2016, 130, 19-33.	1.8	17
77	DNA hypomethylation leads to cGAS-induced autoinflammation in the epidermis. <i>EMBO Journal</i> , 2021, 40, e108234.	3.5	17
78	Impaired neural stem cell expansion and hypersensitivity to epileptic seizures in mice lacking the EGFR in the brain. <i>FEBS Journal</i> , 2018, 285, 3175-3196.	2.2	16
79	EGFR Controls Hair Shaft Differentiation in a p53-Independent Manner. <i>IScience</i> , 2019, 15, 243-256.	1.9	14
80	Bone morphogenetic protein signaling regulates skin inflammation via modulating dendritic cell function. <i>Journal of Allergy and Clinical Immunology</i> , 2021, 147, 1810-1822.e9.	1.5	14
81	Moderate inappropriately high aldosterone/NaCl constellation in mice: cardiovascular effects and the role of cardiovascular epidermal growth factor receptor. <i>Scientific Reports</i> , 2014, 4, 7430.	1.6	13
82	Covalent dimerization of interleukin-like epithelial-to-mesenchymal transition (EMT) inducer (ILEI) facilitates EMT, invasion, and late aspects of metastasis. <i>FEBS Journal</i> , 2017, 284, 3484-3505.	2.2	13
83	The cytoplasmic tail of CD45 is released from activated phagocytes and can act as an inhibitory messenger for T cells. <i>Blood</i> , 2008, 112, 1240-1248.	0.6	12
84	BMP7 aberrantly induced in the psoriatic epidermis instructs inflammation-associated Langerhans cells. <i>Journal of Allergy and Clinical Immunology</i> , 2020, 145, 1194-1207.e11.	1.5	12
85	The FAM3C locus that encodes interleukin-like EMT inducer (ILEI) is frequently co-amplified in MET-amplified cancers and contributes to invasiveness. <i>Journal of Experimental and Clinical Cancer Research</i> , 2021, 40, 69.	3.5	12
86	Fos regulates macrophage infiltration against surrounding tissue resistance by a cortical actin-based mechanism in <i>Drosophila</i> . <i>PLoS Biology</i> , 2022, 20, e3001494.	2.6	12
87	Haploinsufficiency of SNEV Causes Defects of Hematopoietic Stem Cells Functions. <i>Stem Cells and Development</i> , 2008, 17, 355-366.	1.1	11
88	Hepatocyte-Specific Deletion of EGFR in Mice Reduces Hepatic Abcg2 Transport Activity Measured by [¹¹ C]erlotinib and Positron Emission Tomography. <i>Drug Metabolism and Disposition</i> , 2017, 45, 1093-1100.	1.7	11
89	Results of the extended analysis for cancer treatment (EXACT) trial: a prospective translational study evaluating individualized treatment regimens in oncology. <i>Oncotarget</i> , 2019, 10, 942-952.	0.8	11
90	Lipid Metabolism Interplay in CRC—An Update. <i>Metabolites</i> , 2022, 12, 213.	1.3	11

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91	Osteopontin-deficient progenitor cells display enhanced differentiation to adipocytes. <i>Obesity Research and Clinical Practice</i> , 2018, 12, 277-285.	0.8	10
92	Effects of Depilation Methods on Imiquimod-Induced Skin Inflammation in Mice. <i>Journal of Investigative Dermatology</i> , 2017, 137, 528-531.	0.3	9
93	Autophagy regulation in pancreatic acinar cells is independent of epidermal growth factor receptor signaling. <i>Biochemical and Biophysical Research Communications</i> , 2014, 446, 224-230.	1.0	8
94	Mouse Models of Nonmelanoma Skin Cancer. <i>Methods in Molecular Biology</i> , 2015, 1267, 217-250.	0.4	8
95	Interim analysis of a real-world precision medicine platform for molecular profiling of metastatic or advanced cancers: MONDTI. <i>ESMO Open</i> , 2019, 4, e000538.	2.0	7
96	Targeted Therapy Recommendations for Therapy Refractory Solid Tumors—Data from the Real-World Precision Medicine Platform MONDTI. <i>Journal of Personalized Medicine</i> , 2020, 10, 188.	1.1	7
97	Dual inhibition of TGF β 2 and AXL as a novel therapy for human colorectal adenocarcinoma with mesenchymal phenotype. <i>Medical Oncology</i> , 2021, 38, 24.	1.2	7
98	Ex-Vivo Skin Explant Culture Is a Model for TSLP-Mediated Skin Barrier Immunity. <i>Life</i> , 2021, 11, 1237.	1.1	7
99	Transgenic animals. <i>European Review</i> , 1996, 4, 371.	0.4	6
100	SNEV P rp19/ PSO 4 deficiency increases PUVA induced senescence in mouse skin. <i>Experimental Dermatology</i> , 2016, 25, 212-217.	1.4	6
101	A meta-analysis of melanoma risk in industrial workers. <i>Melanoma Research</i> , 2020, 30, 286-296.	0.6	5
102	BMPRI1 Is Required for the Optimal TGF β 1-Dependent CD207+ Langerhans Cell Differentiation and Limits Skin Inflammation through CD11c+ Cells. <i>Journal of Investigative Dermatology</i> , 2022, 142, 2446-2454.e3.	0.3	3
103	Feasibility of personalized treatment concepts in gastrointestinal malignancies: Sub-group results of prospective clinical phase II trial EXACT. <i>Chinese Journal of Cancer Research: Official Journal of China Anti-Cancer Association, Beijing Institute for Cancer Research</i> , 2018, 30, 508-515.	0.7	2
104	Methods to Study MAP Kinase Signalling in the Central Nervous System. <i>Methods in Molecular Biology</i> , 2010, 661, 481-495.	0.4	1
105	Transgenic animals. <i>European Review</i> , 1996, 4, 371-391.	0.4	0
106	Transgenic animals: Generation and use. <i>Trends in Genetics</i> , 1997, 13, 501-502.	2.9	0