Marcelo Ehrlich

List of Publications by Year
in descending order

93 papers	6,273 citations	109321 35 h-index	69250 77 g-index
94 all docs	94 docs citations	94 times ranked	10264 citing authors

#	Article	IF	Citations
1	Dynasore, a Cell-Permeable Inhibitor of Dynamin. Developmental Cell, 2006, 10, 839-850.	7.0	1,729
2	Endocytosis by Random Initiation and Stabilization of Clathrin-Coated Pits. Cell, 2004, 118, 591-605.	28.9	787
3	The Mode of Bone Morphogenetic Protein (BMP) Receptor Oligomerization Determines Different BMP-2 Signaling Pathways. Journal of Biological Chemistry, 2002, 277, 5330-5338.	3.4	484
4	PKR: A Kinase to Remember. Frontiers in Molecular Neuroscience, 2018, 11, 480.	2.9	172
5	Endoplasmic Reticulum (ER) Mannosidase I Is Compartmentalized and Required for N-Glycan Trimming to Man_{5â€“6}GlcNAc₂ in Glycoprotein ER-associated Degradation. Molecular Biology of the Cell, 2008, 19, 216-225.	2.1	124
6	Role of lipids and actin in the formation of clathrin-coated pits. Experimental Cell Research, 2006, 312, 4036-4048.	2.6	120
7	Transforming Growth Factor-Î² Receptors Interact with AP2 by Direct Binding to Î²2 Subunit. Molecular Biology of the Cell, 2002, 13, 4001-4012.	2.1	115
8	The glucosinolate breakdown product indoleâ€3â€carbinol acts as an auxin antagonist in roots of <scp>A</scp>rabidopsis thaliana. Plant Journal, 2015, 82, 547-555.	5.7	98
9	ALegionellaeffector acquired from protozoa is involved in sphingolipids metabolism and is targeted to the host cell mitochondria. Cellular Microbiology, 2009, 11, 1219-1235.	2.1	96
10	TMPRSS2/ERG Promotes Epithelial to Mesenchymal Transition through the ZEB1/ZEB2 Axis in a Prostate Cancer Model. PLoS ONE, 2011, 6, e21650.	2.5	94
11	Endosomal signaling of the tomato leucineâ€rich repeat receptorâ€like protein LeEix2. Plant Journal, 2011, 68, 413-423.	5.7	92
12	INITIATION OF SMAD-DEPENDENT AND SMAD-INDEPENDENT SIGNALING VIA DISTINCT BMP-RECEPTOR COMPLEXES. Journal of Bone and Joint Surgery - Series A, 2003, 85, 44-51.	3.0	91
13	The Î´ Region of Outer-Capsid ProteinÎ¼1 Undergoes Conformational Change and Release from ReovirusParticles during CellEntry. Journal of Virology, 2003, 77, 13361-13375.	3.4	88
14	Loss of Î±-Tubulin Acetylation Is Associated with TGF-Î²-induced Epithelial-Mesenchymal Transition. Journal of Biological Chemistry, 2016, 291, 5396-5405.	3.4	85
15	Concomitant expression of the chemokines RANTES and MCP-1 in human breast cancer: A basis for tumor-promoting interactions. Cytokine, 2008, 44, 191-200.	3.2	83
16	Homomeric and heteromeric complexes among TGF-Î² and BMP receptors and their roles in signaling. Cellular Signalling, 2011, 23, 1424-1432.	3.6	76
17	Oligomeric interactions of TGFâ€Î² and BMP receptors. FEBS Letters, 2012, 586, 1885-1896.	2.8	74
18	Clustering of Raft-Associated Proteins in the External Membrane Leaflet Modulates Internal Leaflet H-Ras Diffusion and Signaling. Molecular and Cellular Biology, 2006, 26, 7190-7200.	2.3	66

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19	p12 Tethers the Murine Leukemia Virus Pre-integration Complex to Mitotic Chromosomes. PLoS Pathogens, 2012, 8, e1003103.	4.7	66
20	Notch-Mediated Tumor-Stroma-Inflammation Networks Promote Invasive Properties and CXCL8 Expression in Triple-Negative Breast Cancer. Frontiers in Immunology, 2019, 10, 804.	4.8	65
21	Endocytosis is not required for the selective lipid uptake mediated by murine SR-BI. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2005, 1734, 44-51.	2.4	62
22	Disruption of TGF-Î² growth inhibition by oncogenic ras is linked to p27Kip1 mislocalization. Oncogene, 2000, 19, 5926-5935.	5.9	57
23	Synaptojanin 2 is a druggable mediator of metastasis and the gene is overexpressed and amplified in breast cancer. Science Signaling, 2015, 8, ra7.	3.6	53
24	Pathway- and Expression Level-Dependent Effects of Oncogenic N-Ras: p27Kip1 Mislocalization by the Ral-GEF Pathway and Erk-Mediated Interference with Smad Signaling. Molecular and Cellular Biology, 2005, 25, 8239-8250.	2.3	52
25	Identification of Two Legionella pneumophila Effectors that Manipulate Host Phospholipids Biosynthesis. PLoS Pathogens, 2012, 8, e1002988.	4.7	51
26	Mammalian ER mannosidase I resides in quality control vesicles, where it encounters its glycoprotein substrates. Molecular Biology of the Cell, 2015, 26, 172-184.	2.1	50
27	Src-mediated caveolin-1 phosphorylation affects the targeting of active Src to specific membrane sites. Molecular Biology of the Cell, 2013, 24, 3881-3895.	2.1	45
28	The metastatic microenvironment: Claudinâ€1 suppresses the malignant phenotype of melanoma brain metastasis. International Journal of Cancer, 2015, 136, 1296-1307.	5.1	44
29	Dab2 regulates clathrin assembly and cell spreading. Biochemical Journal, 2009, 418, 701-715.	3.7	43
30	Raft Protein Clustering Alters N-Ras Membrane Interactions and Activation Pattern. Molecular and Cellular Biology, 2011, 31, 3938-3952.	2.3	42
31	ERK and PI3K regulate different aspects of the epithelial to mesenchymal transition of mammary tumor cells induced by truncated MUC1. Experimental Cell Research, 2009, 315, 1490-1504.	2.6	40
32	Endocytosis and trafficking of BMP receptors: Regulatory mechanisms for fine-tuning the signaling response in different cellular contexts. Cytokine and Growth Factor Reviews, 2016, 27, 35-42.	7.2	40
33	The Gag Cleavage Product, p12, is a Functional Constituent of the Murine Leukemia Virus Pre-Integration Complex. PLoS Pathogens, 2010, 6, e1001183.	4.7	38
34	Caveolin-1 and Dynamin-2 Are Essential for Removal of the Complement C5b-9 Complex via Endocytosis. Journal of Biological Chemistry, 2012, 287, 19904-19915.	3.4	38
35	Quantitative single cell monitoring of protein synthesis at subcellular resolution using fluorescently labeled tRNA. Nucleic Acids Research, 2011, 39, e129-e129.	14.5	36
36	Regulation of TGF-Î² receptor hetero-oligomerization and signaling by endoglin. Molecular Biology of the Cell, 2015, 26, 3117-3127.	2.1	35

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37	Proteomic analysis of polyribosomes identifies splicing factors as potential regulators of translation during mitosis. Nucleic Acids Research, 2017, 45, 5945-5957.	14.5	35
38	The metastatic microenvironment: Melanomaâ€“microglia crossâ€talk promotes the malignant phenotype of melanoma cells. International Journal of Cancer, 2019, 144, 802-817.	5.1	34
39	Rapid homogenous detection of the Ibaraki virus NS3 cDNA at picomolar concentrations by magnetic modulation. Biosensors and Bioelectronics, 2009, 25, 858-863.	10.1	33
40	The Sla2p/HIP1/HIP1R family: similar structure, similar function in endocytosis?. Biochemical Society Transactions, 2010, 38, 187-191.	3.4	33
41	EHD2 mediates trafficking from the plasma membrane by modulating Rac1 activity. Biochemical Journal, 2011, 439, 433-445.	3.7	29
42	Differential Interference of Chlorpromazine with the Membrane Interactions of Oncogenic K-Ras and Its Effects on Cell Growth. Journal of Biological Chemistry, 2008, 283, 27279-27288.	3.4	28
43	Different Domains Regulate Homomeric and Heteromeric Complex Formation among Type I and Type II Transforming Growth Factor-Î² Receptors. Journal of Biological Chemistry, 2009, 284, 7843-7852.	3.4	28
44	Effects of dynamin inactivation on pathways of anthrax toxin uptake. European Journal of Cell Biology, 2004, 83, 281-288.	3.6	27
45	Detection of fluorescent-labeled probes at sub-picomolar concentrations by magnetic modulation. Optics Express, 2008, 16, 19253.	3.4	27
46	TGF-Î² triggers rapid fibrillogenesis via a novel TÎ²RII-dependent fibronectin-trafficking mechanism. Molecular Biology of the Cell, 2017, 28, 1195-1207.	2.1	27
47	Negative Regulation of the Endocytic Adaptor Disabled-2 (Dab2) in Mitosis. Journal of Biological Chemistry, 2011, 286, 5392-5403.	3.4	26
48	TGF-beta specifically enhances the metastatic attributes of murine lung adenocarcinoma: implications for human non-small cell lung cancer. Clinical and Experimental Metastasis, 2013, 30, 993-1007.	3.3	26
49	Constitutive negative regulation in the processing of the anti-MÃ¼llerian hormone receptor II. Journal of Cell Science, 2015, 128, 1352-1364.	2.0	25
50	Monoubiquitinylation Regulates Endosomal Localization of Lst2, a Negative Regulator of EGF Receptor Signaling. Developmental Cell, 2009, 16, 687-698.	7.0	24
51	Recruitment of Cellular Clathrin to Viral Factories and Disruption of Clathrinâ€Dependent Trafficking. Traffic, 2011, 12, 1179-1195.	2.7	24
52	Dab2 inhibits the cholesterol-dependent activation of JNK by TGF-Î². Molecular Biology of the Cell, 2014, 25, 1620-1628.	2.1	24
53	Accurate Quantification of Diffusion and Binding Kinetics of Nonâ€integral Membrane Proteins by FRAP. Traffic, 2011, 12, 1648-1657.	2.7	23
54	Coated Pit-mediated Endocytosis of the Type I Transforming Growth Factor-Î² (TGF-Î²) Receptor Depends on a Di-leucine Family Signal and Is Not Required for Signaling. Journal of Biological Chemistry, 2012, 287, 26876-26889.	3.4	23

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55	Poor Cerebral Inflammatory Response in eIF2B Knock-In Mice: Implications for the Aetiology of Vanishing White Matter Disease. PLoS ONE, 2012, 7, e46715.	2.5	23
56	Interleukin-6 and Interferon-Î± Signaling via JAK1â€“STAT Differentially Regulate Oncolytic versus Cytoprotective Antiviral States. Frontiers in Immunology, 2018, 9, 94.	4.8	22
57	Emergence of a Novel Reassortant Strain of Bluetongue Serotype 6 in Israel, 2017: Clinical Manifestations of the Disease and Molecular Characterization. Viruses, 2019, 11, 633.	3.3	22
58	Magnetic Modulation Biosensing for Rapid and Homogeneous Detection of Biological Targets at Low Concentrations. Current Pharmaceutical Biotechnology, 2010, 11, 128-137.	1.6	21
59	The Conserved YAGL Motif in Human Metapneumovirus Is Required for Higher-Order Cellular Assemblies of the Matrix Protein and for Virion Production. Journal of Virology, 2011, 85, 6594-6609.	3.4	21
60	Differential Regulation of Smad3 and of the Type II Transforming Growth Factor-Î² Receptor in Mitosis: Implications for Signaling. PLoS ONE, 2012, 7, e43459.	2.5	19
61	Epizootic Hemorrhagic Disease Virus Induces and Benefits from Cell Stress, Autophagy, and Apoptosis. Journal of Virology, 2013, 87, 13397-13408.	3.4	19
62	Neuregulin Promotes Incomplete Autophagy of Prostate Cancer Cells That Is Independent of mTOR Pathway Inhibition. PLoS ONE, 2012, 7, e36828.	2.5	18
63	Combined genetic and epigenetic interferences with interferon signaling expose prostate cancer cells to viral infection. Oncotarget, 2016, 7, 52115-52134.	1.8	18
64	Masking of an Endoplasmic Reticulum Retention Signal by Its Presence in the Two Subunits of the Asialoglycoprotein Receptor. Journal of Biological Chemistry, 2000, 275, 2845-2851.	3.4	17
65	Mechanisms Regulating the Secretion of the Promalignancy Chemokine CCL5 by Breast Tumor Cells: CCL5's 40s Loop and Intracellular Glycosaminoglycans. Neoplasia, 2012, 14, 1-IN3.	5.3	17
66	Differential regulation of translation and endocytosis of alternatively spliced forms of the type II bone morphogenetic protein (BMP) receptor. Molecular Biology of the Cell, 2016, 27, 716-730.	2.1	17
67	Dynamin-dependent endocytosis of Bone Morphogenetic Protein2 (BMP2) and its receptors is dispensable for the initiation of Smad signaling. International Journal of Biochemistry and Cell Biology, 2016, 76, 51-63.	2.8	16
68	Human immunodeficiency virus type 1 envelope proteins traffic toward virion assembly sites via a TBC1D20/Rab1-regulated pathway. Retrovirology, 2012, 9, 7.	2.0	15
69	The N-Terminus of Murine Leukaemia Virus p12 Protein Is Required for Mature Core Stability. PLoS Pathogens, 2014, 10, e1004474.	4.7	15
70	Dicodon monitoring of protein synthesis (DiCoMPS) reveals levels of synthesis of a viral protein in single cells. Nucleic Acids Research, 2013, 41, e177-e177.	14.5	14
71	Single-molecule live-cell imaging of clathrin-based endocytosis.. Biochemical Society Symposia, 2005, 72, 71-76.	2.7	14
72	HIP1 exhibits an early recruitment and a late stage function in the maturation of coated pits. Cellular and Molecular Life Sciences, 2009, 66, 2897-2911.	5.4	12

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73	Cholesterol depletion enhances TGF-Î² Smad signaling by increasing c-Jun expression through a PKR-dependent mechanism. Molecular Biology of the Cell, 2018, 29, 2494-2507.	2.1	12
74	Dual effects of Ral-activated pathways on p27 localization and TGF-Î² signaling. Molecular Biology of the Cell, 2013, 24, 1812-1824.	2.1	11
75	Inferring Protein Function in an Emerging Virus: Detection of the Nucleoprotein in Tilapia Lake Virus. Journal of Virology, 2022, 96, JVI0175721.	3.4	11
76	Phenotypic Reversion of Invasive Neurofibromin-Deficient Schwannoma by FTS: Ras Inhibition Reduces BMP4/Erk/Smad Signaling. Molecular Cancer Therapeutics, 2011, 10, 1317-1326.	4.1	10
77	Differential molecular regulation of processing and membrane expression of Type-I BMP receptors: implications for signaling. Cellular and Molecular Life Sciences, 2017, 74, 2645-2662.	5.4	10
78	Competition between type I activin and BMP receptors for binding to ACVR2A regulates signaling to distinct Smad pathways. BMC Biology, 2022, 20, 50.	3.8	10
79	Ras Oncoproteins Transfer from Melanoma Cells to T Cells and Modulate Their Effector Functions. Journal of Immunology, 2012, 189, 4361-4370.	0.8	8
80	ALK1 regulates the internalization of endoglin and the type III TGF-Î² receptor. Molecular Biology of the Cell, 2021, 32, 605-621.	2.1	8
81	Oncolytic H-1 Parvovirus Enters Cancer Cells through Clathrin-Mediated Endocytosis. Viruses, 2020, 12, 1199.	3.3	7
82	LY6S, a New IFN-Inducible Human Member of the Ly6a Subfamily Expressed by Spleen Cells and Associated with Inflammation and Viral Resistance. ImmunoHorizons, 2022, 6, 253-272.	1.8	7
83	Oncolytic Virotherapy: The Cancer Cell Side. Cancers, 2021, 13, 939.	3.7	6
84	Autophagy is induced and modulated by cholesterol depletion through transcription of autophagy-related genes and attenuation of flux. Cell Death Discovery, 2021, 7, 320.	4.7	6
85	Zeb2 regulates the balance between retinal interneurons and MÃ¼ller glia by inhibition of BMPâ€“Smad signaling. Developmental Biology, 2020, 468, 80-92.	2.0	5
86	Constitutive low expression of antiviral effectors sensitizes melanoma cells to a novel oncolytic virus. International Journal of Cancer, 2021, 148, 2321-2334.	5.1	5
87	Dynamics and restriction of murine leukemia virus cores in mitotic and interphase cells. Retrovirology, 2015, 12, 95.	2.0	4
88	Genomic Analysis Illustrated a Single Introduction and Evolution of Israeli Bluetongue Serotype 8 Virus Population 2008â€“2019. Microorganisms, 2021, 9, 1955.	3.6	3
89	Rapid Homogeneous Detection of Biological Assays Using Magnetic Modulation Biosensing System. Journal of Visualized Experiments, 2010, , .	0.3	1
90	Ras Diffusion and Interactions with the Plasma Membrane Measured by FRAP Variations. Methods in Molecular Biology, 2021, 2262, 185-197.	0.9	1

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91	Intimate and Facultative? Regulation of Clathrin-Mediated Endocytosis by the Actin Cytoskeleton. , 2013, , 33-56.		1
92	Rapid and sensitive homogenous detection of the Ibaraki virus non-structural protein using magnetic modulation biosensing system. , 2010, , .		0
93	Modeling SARS-CoV-2 Infection in Mice Using Lentiviral hACE2 Vectors Infers Two Modes of Immune Responses to SARS-CoV-2 Infection. Viruses, 2022, 14, 11.	3.3	0