Costin N Antonescu

List of Publications by Year
in descending order

66	2,532	249298	242451
papers	citations	26 h-index	47 g-index

75	75	75	4248
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Fyn and TOM1L1 are recruited to clathrin-coated pits and regulate Akt signaling. Journal of Cell Biology, 2022, 221, .	2.3	17
2	Dosage-controlled intracellular delivery mediated by acoustofluidics for lab on a chip applications. Lab on A Chip, 2021, 21, 1788-1797.	3.1	17
3	Development of BODIPY labelled sialic acids as sialyltransferase substrates for direct detection of terminal galactose on N- and O-linked glycans. Carbohydrate Research, 2021, 500, 108249.	1.1	12
4	Modulation of Pathological Pain by Epidermal Growth Factor Receptor. Frontiers in Pharmacology, 2021, 12, 642820.	1.6	20
5	Regulation of Epidermal Growth Factor Receptor by Clathrinâ€Associated Kinases. FASEB Journal, 2021, 35, .	0.2	0
6	Regulation of Megalin membrane traffic by AMPâ€activated protein kinase in kidney proximal tubule epithelial cells. FASEB Journal, 2021, 35, .	0.2	0
7	Detection of Plasma Membrane Phosphoinositide Dynamics Using Genetically Encoded Fluorescent Protein Probes. Methods in Molecular Biology, 2021, 2251, 73-89.	0.4	1
8	Multiscale interactome analysis coupled with off-target drug predictions reveals drug repurposing candidates for human coronavirus disease. Scientific Reports, 2021, 11, 23315.	1.6	10
9	GGA3-mediated recycling of the RET receptor tyrosine kinase contributes to cell migration and invasion. Oncogene, 2020, 39, 1361-1377.	2.6	20
10	Targeting of EGFR by a combination of antibodies mediates unconventional EGFR trafficking and degradation. Scientific Reports, 2020, 10, 663.	1.6	23
11	EGFR signaling in breast cancer requires licensing from separate membrane nanodomains. FASEB Journal, 2020, 34, 1-1.	0.2	4
12	Energetic adaptations: Metabolic control of endocytic membrane traffic. Traffic, 2019, 20, 912-931.	1.3	22
13	Akt-ing Up Just About Everywhere: Compartment-Specific Akt Activation and Function in Receptor Tyrosine Kinase Signaling. Frontiers in Cell and Developmental Biology, 2019, 7, 70.	1.8	97
14	The intricate relationship between metabolism and endocytic membrane traffic. Traffic, 2019, 20, 887-888.	1.3	1
15	Targeted enhancement of flotillin-dependent endocytosis augments cellular uptake and impact of cytotoxic drugs. Scientific Reports, 2019, 9, 17768.	1.6	27
16	Editorial: Signaling Control by Compartmentalization Along the Endocytic Route. Frontiers in Cell and Developmental Biology, 2019, 7, 237.	1.8	1
17	Signaling by the Epidermal Growth Factor Receptor regulates DNA repair. FASEB Journal, 2019, 33, 457.2.	0.2	2
18	Fyn is recruited to specialized clathrin coated pits and regulates EGF receptor signaling. FASEB Journal, 2019, 33, 788.1.	0.2	0

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19	The lipid acyltransferase LYCAT controls phosphatidylinositolâ€3,4,5â€trisphosphate (PIP3) signaling. FASEB Journal, 2019, 33, 489.1.	0.2	1
20	mTOR complex 1 controls the nuclear localization and function of glycogen synthase kinase 3Î². Journal of Biological Chemistry, 2018, 293, 14723-14739.	1.6	51
21	Small Rho GTPases and the Effector VipA Mediate the Invasion of Epithelial Cells by Filamentous Legionella pneumophila. Frontiers in Cellular and Infection Microbiology, 2018, 8, 133.	1.8	9
22	mTORC1 controls GSK3Î² nuclear localization. FASEB Journal, 2018, 32, lb522.	0.2	0
23	The big and intricate dreams of little organelles: Embracing complexity in the study of membrane traffic. Traffic, 2017, 18, 567-579.	1.3	11
24	The acyltransferase LYCAT controls specific phosphoinositides and related membrane traffic. Molecular Biology of the Cell, 2017, 28, 161-172.	0.9	52
25	Extracellular delivery induced by ultrasound and microbubbles in cells. AIP Conference Proceedings, 2017, , .	0.3	0
26	Measurement of Epidermal Growth Factor Receptor-Derived Signals Within Plasma Membrane Clathrin Structures. Methods in Molecular Biology, 2017, 1652, 191-225.	0.4	13
27	Selective regulation of clathrin-mediated epidermal growth factor receptor signaling and endocytosis by phospholipase C and calcium. Molecular Biology of the Cell, 2017, 28, 2802-2818.	0.9	39
28	Differential recruitment of E3-ubiquitin ligase complexes regulates RET isoform internalization. Journal of Cell Science, 2017, 130, 3282-3296.	1.2	21
29	The ENU-3 protein family members function in the Wnt pathway parallel to UNC-6/Netrin to promote motor neuron axon outgrowth in C. elegans. Developmental Biology, 2017, 430, 249-261.	0.9	1
30	Ultrasound and microbubble induced release from intracellular compartments. BMC Biotechnology, 2017, 17, 45.	1.7	15
31	Integrins and Cell Metabolism: An Intimate Relationship Impacting Cancer. International Journal of Molecular Sciences, 2017, 18, 189.	1.8	96
32	Similar requirement for clathrin in EGF- and HGF- stimulated Akt phosphorylation. Communicative and Integrative Biology, 2016, 9, e1175696.	0.6	16
33	mTOR controls lysosome tubulation and antigen presentation in macrophages and dendritic cells. Molecular Biology of the Cell, 2016, 27, 321-333.	0.9	96
34	Ultrasound Microbubble Treatment Enhances Clathrin-Mediated Endocytosis and Fluid-Phase Uptake through Distinct Mechanisms. PLoS ONE, 2016, 11, e0156754.	1.1	47
35	Distinct Temporal Regulation of <scp>RET</scp> Isoform Internalization: Roles of Clathrin and <scp>AP2</scp>. Traffic, 2015, 16, 1155-1173.	1.3	22
36	Charming neighborhoods on the cell surface: Plasma membrane microdomains regulate receptor tyrosine kinase signaling. Cellular Signalling, 2015, 27, 1963-1976.	1.7	61

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37	Epidermal growth factorâ€“stimulated Akt phosphorylation requires clathrin or ErbB2 but not receptor endocytosis. Molecular Biology of the Cell, 2015, 26, 3504-3519.	0.9	75
38	AMP-Activated Protein Kinase Regulates the Cell Surface Proteome and Integrin Membrane Traffic. PLoS ONE, 2015, 10, e0128013.	1.1	31
39	Clathrin and TOM1L1 regulate Epidermal Growth Factor Receptor Signaling at the Plasma Membrane. FASEB Journal, 2015, 29, LB102.	0.2	0
40	Abstract 4986: Distinct temporal regulation of RET isoform internalization: Roles of clathrin and AP2. , 2015, , .		0
41	Reciprocal Regulation of Endocytosis and Metabolism. Cold Spring Harbor Perspectives in Biology, 2014, 6, a016964-a016964.	2.3	65
42	The regulation of the cell surface proteome by AMPâ€activated protein kinase (604.5). FASEB Journal, 2014, 28, 604.5.	0.2	0
43	Regulation of epidermal growth factor receptor signaling by clathrinâ€coated membrane microdomains (603.2). FASEB Journal, 2014, 28, 603.2.	0.2	1
44	LYCAT, an acyltransferase required for 1â€stearoyl esterification of phosphoinositides, plays a critical role in receptor trafficking dynamics (782.1). FASEB Journal, 2014, 28, 782.1.	0.2	0
45	Advances in Analysis of Low Signal-to-Noise Images Link Dynamin and AP2 to the Functions of an Endocytic Checkpoint. Developmental Cell, 2013, 26, 279-291.	3.1	330
46	Regulation of early stages in clathrin mediated endocytosis revealed by quantitative analyses in living cells. FASEB Journal, 2013, 27, 75.2.	0.2	0
47	Myo1c binding to submembrane actin mediates insulin-induced tethering of GLUT4 vesicles. Molecular Biology of the Cell, 2012, 23, 4065-4078.	0.9	61
48	Hotspots Organize Clathrinâ€Mediated Endocytosis by Efficient Recruitment and Retention of Nucleating Resources. Traffic, 2011, 12, 1868-1878.	1.3	53
49	Phosphatidylinositol-(4,5)-bisphosphate regulates clathrin-coated pit initiation, stabilization, and size. Molecular Biology of the Cell, 2011, 22, 2588-2600.	0.9	120
50	Direct involvement of tumor necrosis factor-Î± in the regulation of glucose uptake in rainbow trout muscle cells. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2011, 300, R716-R723.	0.9	16
51	Phosphatidic Acid Plays a Regulatory Role in Clathrin-mediated Endocytosis. Molecular Biology of the Cell, 2010, 21, 2944-2952.	0.9	77
52	Documenting GLUT4 Exocytosis and Endocytosis in Muscle Cell Monolayers. Current Protocols in Cell Biology, 2010, 46, Unit 15.15.	2.3	18
53	A Transgenic Mouse Model to Study Glucose Transporter 4myc Regulation in Skeletal Muscle. Endocrinology, 2009, 150, 1935-1940.	1.4	39
54	Ready, set, internalize: mechanisms and regulation of GLUT4 endocytosis. Bioscience Reports, 2009, 29, 1-11.	1.1	35

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55	Palmitate- and lipopolysaccharide-activated macrophages evoke contrasting insulin responses in muscle cells. American Journal of Physiology - Endocrinology and Metabolism, 2009, 296, E37-E46.	1.8	51
56	Endocytic Accessory Proteins Are Functionally Distinguished by Their Differential Effects on the Maturation of Clathrin-coated Pits. Molecular Biology of the Cell, 2009, 20, 3251-3260.	0.9	115
57	Regulation of glucose transporter 4 traffic by energy deprivation from mitochondrial compromise. Acta Physiologica, 2009, 196, 27-35.	1.8	27
58	GAPDH binds GLUT4 reciprocally to hexokinase-II and regulates glucose transport activity. Biochemical Journal, 2009, 419, 475-484.	1.7	49
59	Clathrinâ€Dependent and Independent Endocytosis of Glucose Transporter 4 (GLUT4) in Myoblasts: Regulation by Mitochondrial Uncoupling. Traffic, 2008, 9, 1173-1190.	1.3	90
60	Insulin action on glucose transporters through molecular switches, tracks and tethers. Biochemical Journal, 2008, 413, 201-215.	1.7	241
61	Dissecting GLUT4 Traffic Components in L6 Myocytes by Fluorescence-Based, Single-Cell Assays. Methods in Molecular Biology, 2008, 457, 367-378.	0.4	14
62	Fish Glucose Transporter (GLUT)-4 Differs from Rat GLUT4 in Its Traffic Characteristics but Can Translocate to the Cell Surface in Response to Insulin in Skeletal Muscle Cells. Endocrinology, 2007, 148, 5248-5257.	1.4	48
63	Diverse Signals Regulate Glucose Uptake into Skeletal Muscle. Canadian Journal of Diabetes, 2006, 30, 80-88.	0.4	10
64	To be or not to be: Regulation of the Intrinsic Activity of GLUT4. Current Medicinal Chemistry Immunology, Endocrine & Metabolic Agents, 2005, 5, 175-187.	0.2	12
65	Reduction of Insulin-Stimulated Glucose Uptake in L6 Myotubes by the Protein Kinase Inhibitor SB203580 Is Independent of p38MAPK Activity. Endocrinology, 2005, 146, 3773-3781.	1.4	60
66	Need for GLUT4 Activation to Reach Maximum Effect of Insulin-Mediated Glucose Uptake in Brown Adipocytes Isolated From GLUT4myc-Expressing Mice. Diabetes, 2002, 51, 2719-2726.	0.3	54