Simona Paladino

List of Publications by Year
in descending order

75 papers	2,893 citations	136740 32 h-index	182168 51 g-index
79 all docs	79 docs citations	79 times ranked	4852 citing authors

#	Article	IF	Citations
1	Protein oligomerization modulates raft partitioning and apical sorting of GPI-anchored proteins. Journal of Cell Biology, 2004, 167, 699-709.	2.3	218
2	Wilson Disease Protein ATP7B Utilizes Lysosomal Exocytosis to Maintain Copper Homeostasis. Developmental Cell, 2014, 29, 686-700.	3.1	203
3	Caveolin Transfection Results in Caveolae Formation but Not Apical Sorting of Glycosylphosphatidylinositol (GPI)-anchored Proteins in Epithelial Cells. Journal of Cell Biology, 1998, 140, 617-626.	2.3	130
4	PrPCAssociation with Lipid Rafts in the Early Secretory Pathway Stabilizes Its Cellular Conformation. Molecular Biology of the Cell, 2004, 15, 4031-4042.	0.9	125
5	GPI-anchored proteins are directly targeted to the apical surface in fully polarized MDCK cells. Journal of Cell Biology, 2006, 172, 1023-1034.	2.3	104
6	Molecular determinants of ERâ€“Golgi contacts identified through a new FRETâ€“FLIM system. Journal of Cell Biology, 2019, 218, 1055-1065.	2.3	94
7	PrPCIs Sorted to the Basolateral Membrane of Epithelial Cells Independently of its Association with Rafts. Traffic, 2002, 3, 810-821.	1.3	85
8	Mitochondrial dysfunction in down syndrome: molecular mechanisms and therapeutic targets. Molecular Medicine, 2018, 24, 2.	1.9	85
9	TRAP1 and the proteasome regulatory particle TBP7/Rpt3 interact in the endoplasmic reticulum and control cellular ubiquitination of specific mitochondrial proteins. Cell Death and Differentiation, 2012, 19, 592-604.	5.0	82
10	Nrf2 Pathway in Age-Related Neurological Disorders: Insights into MicroRNAs. Cellular Physiology and Biochemistry, 2018, 47, 1951-1976.	1.1	77
11	Different GPI-attachment signals affect the oligomerisation of GPI-anchored proteins and their apical sorting. Journal of Cell Science, 2008, 121, 4001-4007.	1.2	75
12	Lysine-specific demethylase LSD1 regulates autophagy in neuroblastoma through SESN2-dependent pathway. Oncogene, 2017, 36, 6701-6711.	2.6	72
13	Metformin restores the mitochondrial network and reverses mitochondrial dysfunction in Down syndrome cells. Human Molecular Genetics, 2017, 26, ddx016.	1.4	70
14	Resveratrol Couples Apoptosis with Autophagy in UVB-Irradiated HaCaT Cells. PLoS ONE, 2013, 8, e80728.	1.1	56
15	Translational control in the stress adaptive response of cancer cells: a novel role for the heat shock protein TRAP1. Cell Death and Disease, 2013, 4, e851-e851.	2.7	55
16	Oligomerization Is a Specific Requirement for Apical Sorting of Glycosyl-Phosphatidylinositol-Anchored Proteins but Not for Non-Raft-Associated Apical Proteins. Traffic, 2007, 8, 251-258.	1.3	54
17	Anandamide inhibits the Wnt/Î²-catenin signalling pathway in human breast cancer MDA MB 231 cells. European Journal of Cancer, 2012, 48, 3112-3122.	1.3	52
18	Detergent-resistant membrane domains but not the proteasome are involved in the misfolding of a PrP mutant retained in the endoplasmic reticulum. Journal of Cell Science, 2006, 119, 433-442.	1.2	51

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19	The combined effect of USP7 inhibitors and PARP inhibitors in hormone-sensitive and castration-resistant prostate cancer cells. Oncotarget, 2017, 8, 31815-31829.	0.8	51
20	Verapamil Inhibits Ser202/Thr205 Phosphorylation of Tau by Blocking TXNIP/ROS/p38 MAPK Pathway. Pharmaceutical Research, 2018, 35, 44.	1.7	50
21	Lipid Rafts and Clathrin Cooperate in the Internalization of PrPC in Epithelial FRT Cells. PLoS ONE, 2009, 4, e5829.	1.1	48
22	Alteration of endosomal trafficking is associated with early-onset parkinsonism caused by SYNJ1 mutations. Cell Death and Disease, 2018, 9, 385.	2.7	48
23	Golgi sorting regulates organization and activity of GPI proteins at apical membranes. Nature Chemical Biology, 2014, 10, 350-357.	3.9	42
24	FBXW7 and USP7 regulate CCDC6 turnover during the cell cycle and affect cancer drugs susceptibility in NSCLC. Oncotarget, 2015, 6, 12697-12709.	0.8	42
25	New therapeutic perspectives in <scp>CCDC</scp>6 deficient lung cancer cells. International Journal of Cancer, 2015, 136, 2146-2157.	2.3	41
26	Novel mutations in dystonin provide clues to the pathomechanisms of HSAN-VI. Neurology, 2017, 88, 2132-2140.	1.5	41
27	Probing the Eumelaninâ€“Silica Interface in Chemically Engineered Bulk Hybrid Nanoparticles for Targeted Subcellular Antioxidant Protection. ACS Applied Materials & Interfaces, 2017, 9, 37615-37622.	4.0	41
28	Cholesterol Homeostasis Modulates Platinum Sensitivity in Human Ovarian Cancer. Cells, 2020, 9, 828.	1.8	41
29	High mobility group A1 protein modulates autophagy in cancer cells. Cell Death and Differentiation, 2017, 24, 1948-1962.	5.0	39
30	PERK-Mediated Unfolded Protein Response Activation and Oxidative Stress in PARK20 Fibroblasts. Frontiers in Neuroscience, 2019, 13, 673.	1.4	38
31	PD-1 blockade delays tumor growth by inhibiting an intrinsic SHP2/Ras/MAPK signalling in thyroid cancer cells. Journal of Experimental and Clinical Cancer Research, 2021, 40, 22.	3.5	37
32	Characterization of the Properties and Trafficking of an Anchorless Form of the Prion Protein. Journal of Biological Chemistry, 2007, 282, 22747-22756.	1.6	36
33	Selective Roles for Cholesterol and Actin in Compartmentalization of Different Proteins in the Golgi and Plasma Membrane of Polarized Cells. Journal of Biological Chemistry, 2008, 283, 29545-29553.	1.6	35
34	Endoplasmic reticulum stress reduces the export from the ER and alters the architecture of post-ER compartments. International Journal of Biochemistry and Cell Biology, 2009, 41, 2511-2521.	1.2	35
35	Trafficking and Membrane Organization of GPI-Anchored Proteins in Health and Diseases. Current Topics in Membranes, 2015, 75, 269-303.	0.5	35
36	Organization of GPI-anchored proteins at the cell surface and its physiopathological relevance. Critical Reviews in Biochemistry and Molecular Biology, 2018, 53, 403-419.	2.3	34

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37	The thyroid hormone activating enzyme, type 2 deiodinase, induces myogenic differentiation by regulating mitochondrial metabolism and reducing oxidative stress. Redox Biology, 2019, 24, 101228.	3.9	33
38	N-Glycosylation instead of cholesterol mediates oligomerization and apical sorting of GPI-APs in FRT cells. Molecular Biology of the Cell, 2011, 22, 4621-4634.	0.9	28
39	Targeting Heparan Sulfate Proteoglycans as a Novel Therapeutic Strategy for Mucopolysaccharidoses. Molecular Therapy - Methods and Clinical Development, 2018, 10, 8-16.	1.8	25
40	EGFR activation triggers cellular hypertrophy and lysosomal disease in NAGLU-depleted cardiomyoblasts, mimicking the hallmarks of mucopolysaccharidosis IIIB. Cell Death and Disease, 2018, 9, 40.	2.7	23
41	Targeting Mitochondrial Network Architecture in Down Syndrome and Aging. International Journal of Molecular Sciences, 2020, 21, 3134.	1.8	23
42	Nâ€•and Oâ€Glycans Are Not Directly Involved in the Oligomerization and Apical Sorting of GPI Proteins. Traffic, 2008, 9, 2141-2150.	1.3	22
43	A y+LAT-1 mutant protein interferes with y+LAT-2 activity: implications for the molecular pathogenesis of lysinuric protein intolerance. European Journal of Human Genetics, 2005, 13, 628-634.	1.4	21
44	Meldonium improves Huntingtonâ€™s disease mitochondrial dysfunction by restoring peroxisome proliferatorâ€activated receptor Î³ coactivator 1Î± expression. Journal of Cellular Physiology, 2019, 234, 9233-9246.	2.0	21
45	Analysis of detergent-resistant membranes associated with apical and basolateral GPI-anchored proteins in polarized epithelial cells. FEBS Letters, 2006, 580, 5705-5712.	1.3	19
46	Clustering in the Golgi apparatus governs sorting and function of GPIâ€APs in polarized epithelial cells. FEBS Letters, 2019, 593, 2351-2365.	1.3	18
47	Effects of Long-Term Citrate Treatment in the PC3 Prostate Cancer Cell Line. International Journal of Molecular Sciences, 2019, 20, 2613.	1.8	18
48	Detergent-resistant membrane microdomains and apical sorting of GPI-anchored proteins in polarized epithelial cells. International Journal of Medical Microbiology, 2001, 291, 439-445.	1.5	17
49	Pioglitazone Improves Mitochondrial Organization and Bioenergetics in Down Syndrome Cells. Frontiers in Genetics, 2019, 10, 606.	1.1	17
50	Convergent Effects of Resveratrol and PYK2 on Prostate Cells. International Journal of Molecular Sciences, 2016, 17, 1542.	1.8	16
51	Regulation of sub-compartmental targeting and folding properties of the Prion-like protein Shadoo. Scientific Reports, 2017, 7, 3731.	1.6	14
52	Functional interaction between p75NTR and TrkA: the endocytic trafficking of p75NTR is driven by TrkA and regulates TrkA-mediated signalling. Biochemical Journal, 2005, 385, 233-241.	1.7	13
53	Identification of Sumoylation Sites in CCDC6, the First Identified RET Partner Gene in Papillary Thyroid Carcinoma, Uncovers a Mode of Regulating CCDC6 Function on CREB1 Transcriptional Activity. PLoS ONE, 2012, 7, e49298.	1.1	13
54	N6â€isopentenyladenosine improves nuclear shape in fibroblasts from humans with progeroid syndromes by inhibiting the farnesylation of prelaminÂA. FEBS Journal, 2013, 280, 6223-6232.	2.2	12

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55	Calcium levels in the Golgi complex regulate clustering and apical sorting of GPI-APs in polarized epithelial cells. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	12
56	Editorial: Novel Mechanism of Radioactive Iodine Refractivity in Thyroid Cancer. Journal of the National Cancer Institute, 2017, 109, .	3.0	11
57	Human Trisomic iPSCs from Down Syndrome Fibroblasts Manifest Mitochondrial Alterations Early during Neuronal Differentiation. Biology, 2021, 10, 609.	1.3	11
58	Genotype-Phenotype Correlations in Neurofibromatosis Type 1: Identification of Novel and Recurrent NF1 Gene Variants and Correlations with Neurocognitive Phenotype. Genes, 2022, 13, 1130.	1.0	10
59	The Shp-1 and Shp-2, tyrosine phosphatases, are recruited on cell membrane in two distinct molecular complexes including Ret oncogenes. Cellular Signalling, 2004, 16, 847-856.	1.7	9
60	Differential Recognition of a Tyrosine-Dependent Signal in the Basolateral and Endocytic Pathways of Thyroid Epithelial Cells. Endocrinology, 2002, 143, 1291-1301.	1.4	8
61	Localization of neuroglobin in the brain of R6/2 mouse model of Huntingtonâ€™s disease. Neurological Sciences, 2018, 39, 275-285.	0.9	8
62	Fighting the Huntingtonâ€™s Disease with a G-Quadruplex-Forming Aptamer Specifically Binding to Mutant Huntingtin Protein: Biophysical Characterization, In Vitro and In Vivo Studies. International Journal of Molecular Sciences, 2022, 23, 4804.	1.8	7
63	GPI-anchored proteins are confined in subdiffraction clusters at the apical surface of polarized epithelial cells. Biochemical Journal, 2017, 474, 4075-4090.	1.7	6
64	Double knock-out of Hmga1 and Hipk2 genes causes perinatal death associated to respiratory distress and thyroid abnormalities in mice. Cell Death and Disease, 2019, 10, 747.	2.7	6
65	Phenotypic Effects of Homeodomain-Interacting Protein Kinase 2 Deletion in Mice. International Journal of Molecular Sciences, 2021, 22, 8294.	1.8	6
66	Deregulation of microtubule organization and RNA metabolism in Arx models for lissencephaly and developmental epileptic encephalopathy. Human Molecular Genetics, 2022, 31, 1884-1908.	1.4	6
67	<scp>ZSCAN</scp> 4 ⁺ mouse embryonic stem cells have an oxidative and flexible metabolic profile. EMBO Reports, 2020, 21, e48942.	2.0	5
68	Overexpression of the Hsa21 Transcription Factor RUNX1 Modulates the Extracellular Matrix in Trisomy 21 Cells. Frontiers in Genetics, 2022, 13, 824922.	1.1	4
69	Cell-penetrating peptides: two faces of the same coin. Biochemical Journal, 2020, 477, 1363-1366.	1.7	2
70	Chapter 14 Mechanisms of Polarized Sorting of GPI-anchored Proteins in Epithelial Cells. The Enzymes, 2009, , 289-319.	0.7	1
71	Down Syndrome Fetal Fibroblasts Display Alterations of Endosomal Trafficking Possibly due to SYNJ1 Overexpression. Frontiers in Genetics, 2022, 13, .	1.1	1
72	I12â€...Are mitochondria a possible therapeutic target in huntingtonâ€™s disease?. , 2018, , .		0

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73	Mitochondrial Abnormalities in Down Syndrome: Pathogenesis, Effects and Therapeutic Approaches. , 0, , .		0
74	Bone marrow mesenchymal stem cells as a possible ruxolitinib reservoir in the bone marrow niche. EJHaem, 2020, 1, 356-360.	0.4	0
75	Selective roles for cholesterol and actin in compartmentalization of different proteins in the Golgi and plasma membrane of polarized cells. VOLUME 283 (2008) PAGES 29545-29553. Journal of Biological Chemistry, 2009, 284, 708.	1.6	0