Rosa Angela Cardone

List of Publications by Year
in descending order

38 papers	2,720 citations	257450 24 h-index	330143 37 g-index
38 all docs	38 docs citations	38 times ranked	3485 citing authors

#	Article	IF	Citations
1	The role of disturbed pH dynamics and the Na+/H+ exchanger in metastasis. Nature Reviews Cancer, 2005, 5, 786-795.	28.4	775
2	Glycolysis, tumor metabolism, cancer growth and dissemination. A new pH-based etiopathogenic perspective and therapeutic approach to an old cancer question. Oncoscience, 2014, 1, 777-802.	2.2	198
3	NHE1 promotes invadopodial ECM proteolysis through acidification of the periâ€invadopodial space. FASEB Journal, 2010, 24, 3903-3915.	0.5	197
4	Cariporide and other new and powerful NHE1 inhibitors as potentially selective anticancer drugs â€“ an integral molecular/biochemical/metabolic/clinical approach after one hundred years of cancer research. Journal of Translational Medicine, 2013, 11, 282.	4.4	135
5	The NHERF1 PDZ2 Domain Regulates PKAâ€“RhoAâ€“p38-mediated NHE1 Activation and Invasion in Breast Tumor Cells. Molecular Biology of the Cell, 2007, 18, 1768-1780.	2.1	121
6	Na+-H+ Exchanger, pH Regulation and Cancer. Recent Patents on Anti-Cancer Drug Discovery, 2012, 8, 85-99.	1.6	112
7	Role of pH_i, and proton transporters in oncogene-driven neoplastic transformation. Philosophical Transactions of the Royal Society B: Biological Sciences, 2014, 369, 20130100.	4.0	108
8	Protein Kinase A Gating of a Pseudopodial-located RhoA/ROCK/p38/NHE1 Signal Module Regulates Invasion in Breast Cancer Cell Lines. Molecular Biology of the Cell, 2005, 16, 3117-3127.	2.1	92
9	Protons extruded by NHE1: Digestive or glue?. European Journal of Cell Biology, 2008, 87, 591-599.	3.6	85
10	Na⁺/H⁺Exchanger Regulatory Factor 1 Overexpression-dependent Increase of Cytoskeleton Organization Is Fundamental in the Rescue of F508del Cystic Fibrosis Transmembrane Conductance Regulator in Human Airway CFBE41o- Cells. Molecular Biology of the Cell, 2010, 21, 73-86.	2.1	83
11	Na+-H+ Exchanger, pH Regulation and Cancer. Recent Patents on Anti-Cancer Drug Discovery, 2012, 8, 85-99.	1.6	82
12	A Novel NHE1-Centered Signaling Cassette Drives Epidermal Growth Factor Receptorâ€“Dependent Pancreatic Tumor Metastasis and Is a Target for Combination Therapy. Neoplasia, 2015, 17, 155-166.	5.3	77
13	The Pentose Phosphate Pathway Dynamics in Cancer and Its Dependency on Intracellular pH. Metabolites, 2020, 10, 285.	2.9	68
14	Protease activity at invadopodial focal digestive areas is dependent on NHE1-driven acidic pHe. Oncology Reports, 2014, 31, 940-946.	2.6	65
15	KRAS-regulated glutamine metabolism requires UCP2-mediated aspartate transport to support pancreatic cancer growth. Nature Metabolism, 2020, 2, 1373-1381.	11.9	62
16	Cellular acidification as a new approach to cancer treatment and to the understanding and therapeutics of neurodegenerative diseases. Seminars in Cancer Biology, 2017, 43, 157-179.	9.6	59
17	Extracellular matrix composition modulates <scp>PDAC</scp> parenchymal and stem cell plasticity and behavior through the secretome. FEBS Journal, 2018, 285, 2104-2124.	4.7	36
18	The Interplay of Dysregulated pH and Electrolyte Imbalance in Cancer. Cancers, 2020, 12, 898.	3.7	35

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19	Assessment of different 3D culture systems to study tumor phenotype and chemosensitivity in pancreatic ductal adenocarcinoma. International Journal of Oncology, 2016, 49, 243-252.	3.3	33
20	ÃŸ1 Integrin Binding Phosphorylates Ezrin at T567 to Activate a Lipid Raft Signalsome Driving Invadopodia Activity and Invasion. PLoS ONE, 2013, 8, e75113.	2.5	32
21	Tumor Microenvironment Features and Chemoresistance in Pancreatic Ductal Adenocarcinoma: Insights into Targeting Physicochemical Barriers and Metabolism as Therapeutic Approaches. Cancers, 2021, 13, 6135.	3.7	30
22	Resistance to Gemcitabine in Pancreatic Ductal Adenocarcinoma: A Physiopathologic and Pharmacologic Review. Cancers, 2022, 14, 2486.	3.7	29
23	Different chromatin and energy/redox responses of mouse morulae and blastocysts to slow freezing and vitrification. Reproductive Biology and Endocrinology, 2015, 13, 22.	3.3	28
24	The Role of Sodium Hydrogen Exchanger 1 in Dysregulation of Proton Dynamics and Reprogramming of Cancer Metabolism as a Sequela. International Journal of Molecular Sciences, 2019, 20, 3694.	4.1	27
25	The scaffolding protein NHERF1 sensitizes EGFR-dependent tumor growth, motility and invadopodia function to gefitinib treatment in breast cancer cells. International Journal of Oncology, 2015, 46, 1214-1224.	3.3	25
26	Na+/H+ exchanger regulatory factor 1 expression levels in blood and tissue predict breast tumour clinical behaviour. Histopathology, 2011, 58, 1086-1095.	2.9	19
27	NHERF1 acts as a molecular switch to program metastatic behavior and organotropism via its PDZ domains. Molecular Biology of the Cell, 2012, 23, 2028-2040.	2.1	19
28	HPV16 E7-Dependent Transformation Activates NHE1 through a PKA-RhoA-linduced Inhibition of p38alpha. PLoS ONE, 2008, 3, e3529.	2.5	16
29	Emerging Roles for Ion Channels in Ovarian Cancer: Pathomechanisms and Pharmacological Treatment. Cancers, 2021, 13, 668.	3.7	16
30	Extracellular Matrix Composition Modulates the Responsiveness of Differentiated and Stem Pancreatic Cancer Cells to Lipophilic Derivate of Gemcitabine. International Journal of Molecular Sciences, 2021, 22, 29.	4.1	14
31	Pathogenesis and Management of COVID-19. Journal of Xenobiotics, 2021, 11, 77-93.	6.7	10
32	Targeting the Stromal Pro-Tumoral Hyaluronan-CD44 Pathway in Pancreatic Cancer. International Journal of Molecular Sciences, 2021, 22, 3953.	4.1	9
33	Phosphorylation of NHERF1 S279 and S301 differentially regulates breast cancer cell phenotype and metastatic organotropism. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2019, 1865, 26-37.	3.8	7
34	Integrin-Linked Kinase Links Integrin Activation to Invadopodia Function and Invasion via the p(T567)-Ezrin/NHERF1/NHE1 Pathway. International Journal of Molecular Sciences, 2021, 22, 2162.	4.1	7
35	Synergy Between Low Dose Metronomic Chemotherapy and the pH-centered Approach Against Cancer. International Journal of Molecular Sciences, 2019, 20, 5438.	4.1	5
36	Role of pH in Regulating Cancer Pyrimidine Synthesis. Journal of Xenobiotics, 2022, 12, 158-180.	6.7	2

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37	Role of Stromal Cells in Determining Tumor and Cancer Stem Cell Behaviors and Therapeutic Response. Cancers, 2020, 12, 3162.	3.7	1
38	AlphaVBeta3 (Î±vÎ²3) Integrin Drives the Osteoclastogenesis through a Osteoclast-Like Functional Differentiation of Myeloma Cells.. Blood, 2007, 110, 814-814.	1.4	1