Franca Esposito

List of Publications by Year
in descending order

75 papers	3,526 citations	136950 32 h-index	138484 58 g-index
76 all docs	76 docs citations	76 times ranked	4623 citing authors

#	Article	IF	Citations
1	The Mitochondrial Chaperone TRAP1 Promotes Neoplastic Growth by Inhibiting Succinate Dehydrogenase. Cell Metabolism, 2013, 17, 988-999.	16.2	217
2	A p53-independent Pathway for Activation of WAF1/CIP1 Expression Following Oxidative Stress. Journal of Biological Chemistry, 1995, 270, 29386-29391.	3.4	213
3	Adaptation to Oxidative Stress, Chemoresistance, and Cell Survival. Antioxidants and Redox Signaling, 2009, 11, 2701-2716.	5.4	186
4	Oxidative metabolism drives inflammation-induced platinum resistance in human ovarian cancer. Cell Death and Differentiation, 2016, 23, 1542-1554.	11.2	154
5	Tumor necrosis factor-associated protein 1 (TRAP-1) protects cells from oxidative stress and apoptosis. Stress, 2007, 10, 342-350.	1.8	141
6	Mitochondrial Chaperone Trap1 and the Calcium Binding Protein Sorcin Interact and Protect Cells against Apoptosis Induced by Antiblastic Agents. Cancer Research, 2010, 70, 6577-6586.	0.9	120
7	TRAP1, a novel mitochondrial chaperone responsible for multi-drug resistance and protection from apoptotis in human colorectal carcinoma cells. Cancer Letters, 2009, 279, 39-46.	7.2	117
8	Endoplasmic Reticulum Stress and Unfolded Protein Response in Breast Cancer: The Balance between Apoptosis and Autophagy and Its Role in Drug Resistance. International Journal of Molecular Sciences, 2019, 20, 857.	4.1	113
9	Redox Control of Signal Transduction, Gene Expression and Cellular Senescence. Neurochemical Research, 2004, 29, 617-628.	3.3	109
10	Whole-exome resequencing reveals recessive mutations in TRAP1 in individuals with CAKUT and VACTERL association. Kidney International, 2014, 85, 1310-1317.	5.2	106
11	Protein Kinase B Activation by Reactive Oxygen Species Is Independent of Tyrosine Kinase Receptor Phosphorylation and Requires Src Activity. Journal of Biological Chemistry, 2003, 278, 20828-20834.	3.4	103
12	Redox-Mediated Regulation of p21Waf1/Cip1 Expression Involves a Post-Transcriptional Mechanism and Activation of the Mitogen-Activated Protein Kinase Pathway. FEBS Journal, 1997, 245, 730-737.	0.2	97
13	Heat shock proteins, cell survival and drug resistance: The mitochondrial chaperone TRAP1, a potential novel target for ovarian cancer therapy. Gynecologic Oncology, 2010, 117, 177-182.	1.4	83
14	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.	11.2	82
15	Gene Regulation by Reactive Oxygen Species. Current Topics in Cellular Regulation, 1997, 35, 123-148.	9.6	81
16	Sorcin Induces a Drug-Resistant Phenotype in Human Colorectal Cancer by Modulating Ca2+ Homeostasis. Cancer Research, 2011, 71, 7659-7669.	0.9	78
17	Resistance to paclitxel in breast carcinoma cells requires a quality control of mitochondrial antiapoptotic proteins by TRAP1. Molecular Oncology, 2013, 7, 895-906.	4.6	68
18	HSP90 Molecular Chaperones, Metabolic Rewiring, and Epigenetics: Impact on Tumor Progression and Perspective for Anticancer Therapy. Cells, 2019, 8, 532.	4.1	68

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19	TRAP1 Regulation of Cancer Metabolism: Dual Role as Oncogene or Tumor Suppressor. Genes, 2018, 9, 195.	2.4	65
20	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.	6.3	55
21	Supercoiling in prokaryotic and eukaryotic DNA: changes in response to topological perturbation of plasmids inE. coliand SV40in vitro, in nuclei and in CV-1 cells. Nucleic Acids Research, 1987, 15, 5105-5124.	14.5	53
22	The HIV-1 Transactivator Factor (Tat) Induces Enterocyte Apoptosis through a Redox-Mediated Mechanism. PLoS ONE, 2011, 6, e29436.	2.5	53
23	TRAP1 revisited: Novel localizations and functions of a â€˜next-generationâ€™ biomarker (Review). International Journal of Oncology, 2014, 45, 969-977.	3.3	50
24	DNA binding activity of the glucocorticoid receptor is sensitive to redox changes in intact cells. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1995, 1260, 308-314.	2.4	48
25	Determination of pseudouridine and other nucleosides in human blood serum by high-performance liquid chromatography. Analytical Biochemistry, 1983, 130, 19-26.	2.4	47
26	TRAP1 regulates stemness through Wnt/Î²-catenin pathway in human colorectal carcinoma. Cell Death and Differentiation, 2016, 23, 1792-1803.	11.2	47
27	TRAP1 Is Involved in BRAF Regulation and Downstream Attenuation of ERK Phosphorylation and Cell-Cycle Progression: A Novel Target for BRAF-Mutated Colorectal Tumors. Cancer Research, 2014, 74, 6693-6704.	0.9	43
28	Modulation of Mitochondrial Metabolic Reprogramming and Oxidative Stress to Overcome Chemoresistance in Cancer. Biomolecules, 2020, 10, 135.	4.0	43
29	Cholesterol Homeostasis Modulates Platinum Sensitivity in Human Ovarian Cancer. Cells, 2020, 9, 828.	4.1	41
30	TRAP1 downregulation in human ovarian cancer enhances invasion and epithelialâ€“mesenchymal transition. Cell Death and Disease, 2016, 7, e2522-e2522.	6.3	40
31	The cytosolic ribonuclease inhibitor contributes to intracellular redox homeostasis. FEBS Letters, 2007, 581, 930-934.	2.8	36
32	Targeting TRAP1 as a downstream effector of BRAF cytoprotective pathway: A novel strategy for human BRAF-driven colorectal carcinoma. Oncotarget, 2015, 6, 22298-22309.	1.8	36
33	Stress-Adaptive Response in Ovarian Cancer Drug Resistance. Advances in Protein Chemistry and Structural Biology, 2017, 108, 163-198.	2.3	34
34	TRAP1 controls cell cycle G2â€“M transition through the regulation of CDK1 and MAD2 expression/ubiquitination. Journal of Pathology, 2017, 243, 123-134.	4.5	34
35	Retinoblastoma protein dephosphorylation is an early event of cellular response to prooxidant conditions. FEBS Letters, 2000, 470, 211-215.	2.8	32
36	TRAP1â€dependent regulation of p70S6K is involved in the attenuation of protein synthesis and cell migration: Relevance in human colorectal tumors. Molecular Oncology, 2014, 8, 1482-1494.	4.6	32

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37	Metabolic Dysregulations and Epigenetics: A Bidirectional Interplay that Drives Tumor Progression. Cells, 2019, 8, 798.	4.1	31
38	The ribonuclease/angiogenin inhibitor is also present in mitochondria and nuclei. FEBS Letters, 2011, 585, 613-617.	2.8	30
39	TRAP1: a viable therapeutic target for future cancer treatments?. Expert Opinion on Therapeutic Targets, 2017, 21, 805-815.	3.4	30
40	Vascular effects of linagliptin in nonâ€obese diabetic mice are glucoseâ€independent and involve positive modulation of the endothelial nitric oxide synthase (<scp>eNOS</scp>)/caveolinâ€1 (<scp>CAV</scp>â€1) pathway. Diabetes, Obesity and Metabolism, 2016, 18, 1236-1243.	4.4	29
41	A new p21waf1/cip1 isoform is an early event of cell response to oxidative stress. Cell Death and Differentiation, 1998, 5, 940-945.	11.2	28
42	Inhibition of NADH/NADPH Oxidase Affects Signal Transduction by Growth Factor Receptors in Normal Fibroblasts. Archives of Biochemistry and Biophysics, 2002, 397, 253-257.	3.0	28
43	Crucial role of androgen receptor in vascular <scp>H₂S</scp> biosynthesis induced by testosterone. British Journal of Pharmacology, 2015, 172, 1505-1515.	5.4	28
44	TRAP1 role in endoplasmic reticulum stress protection favors resistance to anthracyclins in breast carcinoma cells. International Journal of Oncology, 2014, 44, 573-582.	3.3	27
45	New insights into TRAP1 pathway. American Journal of Cancer Research, 2012, 2, 235-48.	1.4	26
46	Regulation of p21 waf1/cip1 Expression by Intracellular Redox Conditions. IUBMB Life, 2001, 52, 67-70.	3.4	24
47	TRAP1 regulates cell cycle and apoptosis in thyroid carcinoma cells. Endocrine-Related Cancer, 2016, 23, 699-709.	3.1	24
48	In budding yeast, reactive oxygen species induce both RAS-dependent and RAS-independent cell cycle-specific arrest. Molecular Microbiology, 1999, 32, 753-764.	2.5	23
49	TRAP1 controls cell migration of cancer cells in metabolic stress conditions: Correlations with AKT/p70S6K pathways. Biochimica Et Biophysica Acta - Molecular Cell Research, 2015, 1853, 2570-2579.	4.1	23
50	Mass Spectrometric/Bioinformatic Identification of a Protein Subset That Characterizes the Cellular Activity of Anticancer Peptides. Journal of Proteome Research, 2014, 13, 5250-5261.	3.7	22
51	Structure and in vitro transcription of tRNA gene clusters containing the primers of MuLV reverse transcriptase. FEBS Journal, 1986, 158, 437-442.	0.2	20
52	Low-affinity receptor-mediated induction of superoxide by N-formyl-methionyl-leucyl-phenylalanine and WKYMVm in IMR90 human fibroblasts. Free Radical Biology and Medicine, 2004, 36, 189-200.	2.9	20
53	Protein Syndesmos is a novel RNA-binding protein that regulates primary cilia formation. Nucleic Acids Research, 2018, 46, 12067-12086.	14.5	20
54	TRAP1 enhances Warburg metabolism through modulation of PFK1 expression/activity and favors resistance to EGFR inhibitors in human colorectal carcinomas. Molecular Oncology, 2020, 14, 3030-3047.	4.6	19

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55	IDH1 Targeting as a New Potential Option for Intrahepatic Cholangiocarcinoma Treatmentâ€"Current State and Future Perspectives. Molecules, 2020, 25, 3754.	3.8	18
56	TRAP1 protein signature predicts outcome in human metastatic colorectal carcinoma. Oncotarget, 2017, 8, 21229-21240.	1.8	18
57	AROS-29 is involved in adaptive response to oxidative stress. Free Radical Research, 2006, 40, 467-476.	3.3	17
58	Isolation of cDNA Fragments Hybridizing to Rat Brain-Specific mRNAs. Developmental Neuroscience, 1990, 12, 373-381.	2.0	16
59	Regulation of sub-compartmental targeting and folding properties of the Prion-like protein Shadoo. Scientific Reports, 2017, 7, 3731.	3.3	14
60	[22] Generation of prooxidant conditions in intact cells to induce modifications of cell cycle regulatory proteins. Methods in Enzymology, 2002, 352, 258-268.	1.0	13
61	Targeting Mitochondrial Protein Expression as a Future Approach for Cancer Therapy. Frontiers in Oncology, 2021, 11, 797265.	2.8	13
62	Oxidative DNA Damage and Activation of c-Jun N-Terminal Kinase Pathway in Fibroblasts from Patients with Hereditary Spastic Paraplegia. Cellular and Molecular Neurobiology, 2005, 25, 1245-1254.	3.3	9
63	TRAP1 Regulates Wnt/Î²-Catenin Pathway through LRP5/6 Receptors Expression Modulation. International Journal of Molecular Sciences, 2020, 21, 7526.	4.1	6
64	Heat shock proteins in thyroid malignancies: Potential therapeutic targets for poorly-differentiated and anaplastic tumours?. Molecular and Cellular Endocrinology, 2020, 502, 110676.	3.2	5
65	Insulin-resistant conditions: A favorable milieu for aggressive drug-resistant malignancies. Journal of Gastrointestinal Oncology, 2011, 2, 11-2.	1.4	5
66	Heat shock proteins in cancer stem cell maintenance: A potential therapeutic target?. Histology and Histopathology, 2020, 35, 25-37.	0.7	4
67	TRAP1 regulates the response of colorectal cancer cells to hypoxia and inhibits ribosome biogenesis under conditions of oxygen deprivation. International Journal of Oncology, 2022, 60, .	3.3	4
68	Gene Copy Number and Post-Transductional Mechanisms Regulate TRAP1 Expression in Human Colorectal Carcinomas. International Journal of Molecular Sciences, 2020, 21, 145.	4.1	3
69	Different mechanisms underlie IL-6 release in chemosensitive and chemoresistant ovarian carcinoma cells. American Journal of Cancer Research, 2020, 10, 2596-2602.	1.4	2
70	TRAP1 and SORCIN cooperate in a survival pathway responsible for inducing drug-resistance in human colorectal carcinoma (CRC). BMC Proceedings, 2010, 4, .	1.6	1
71	ER stress protection in cancer cells: the multifaceted role of the heat shock protein TRAP1. Endoplasmic Reticulum Stress in Diseases, 2014, 1, .	0.2	1
72	Isolation and Structural Characterization of the Rat Gene Encoding the Brain-Specific snRNP-Associated Polypeptide "N". Biochemical and Biophysical Research Communications, 1993, 195, 317-326.	2.1	0

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73	LOW-AFFINITY RECEPTOR-MEDIATED INDUCTION OF SUPEROXIDE BY N-FORMYL-METHIONYL-LEUCYL-PHENYLALANINE AND WKYMVm IN IMR90 HUMAN FIBROBLASTS. Free Radical Biology and Medicine, 2003, 36, 189-189.	2.9	0
74	TRAP1. , 2016, , 1-11.		0
75	TRAP1. , 2018, , 5680-5690.		0