

Franca Esposito

List of Publications by Year in descending order

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75
papers

3,526
citations

136740

32
h-index

138251

58
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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. <i>Cell Metabolism</i> , 2013, 17, 988-999.	7.2	217
2	A p53-independent Pathway for Activation of WAF1/CIP1 Expression Following Oxidative Stress. <i>Journal of Biological Chemistry</i> , 1995, 270, 29386-29391.	1.6	213
3	Adaptation to Oxidative Stress, Chemoresistance, and Cell Survival. <i>Antioxidants and Redox Signaling</i> , 2009, 11, 2701-2716.	2.5	186
4	Oxidative metabolism drives inflammation-induced platinum resistance in human ovarian cancer. <i>Cell Death and Differentiation</i> , 2016, 23, 1542-1554.	5.0	154
5	Tumor necrosis factor-associated protein 1 (TRAP-1) protects cells from oxidative stress and apoptosis. <i>Stress</i> , 2007, 10, 342-350.	0.8	141
6	Mitochondrial Chaperone Trap1 and the Calcium Binding Protein Sorcin Interact and Protect Cells against Apoptosis Induced by Antitlastic Agents. <i>Cancer Research</i> , 2010, 70, 6577-6586.	0.4	120
7	TRAP1, a novel mitochondrial chaperone responsible for multi-drug resistance and protection from apoptotis in human colorectal carcinoma cells. <i>Cancer Letters</i> , 2009, 279, 39-46.	3.2	117
8	Endoplasmic Reticulum Stress and Unfolded Protein Response in Breast Cancer: The Balance between Apoptosis and Autophagy and Its Role in Drug Resistance. <i>International Journal of Molecular Sciences</i> , 2019, 20, 857.	1.8	113
9	Redox Control of Signal Transduction, Gene Expression and Cellular Senescence. <i>Neurochemical Research</i> , 2004, 29, 617-628.	1.6	109
10	Whole-exome resequencing reveals recessive mutations in TRAP1 in individuals with CAKUT and VACTERL association. <i>Kidney International</i> , 2014, 85, 1310-1317.	2.6	106
11	Protein Kinase B Activation by Reactive Oxygen Species Is Independent of Tyrosine Kinase Receptor Phosphorylation and Requires Src Activity. <i>Journal of Biological Chemistry</i> , 2003, 278, 20828-20834.	1.6	103
12	Redox-Mediated Regulation of p21Waf1/Cip1 Expression Involves a Post-Transcriptional Mechanism and Activation of the Mitogen-Activated Protein Kinase Pathway. <i>FEBS Journal</i> , 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. <i>Gynecologic Oncology</i> , 2010, 117, 177-182.	0.6	83
14	TRAP1 and the proteasome regulatory particle TBP7/Rpt3 interact in the endoplasmic reticulum and control cellular ubiquitination of specific mitochondrial proteins. <i>Cell Death and Differentiation</i> , 2012, 19, 592-604.	5.0	82
15	Gene Regulation by Reactive Oxygen Species. <i>Current Topics in Cellular Regulation</i> , 1997, 35, 123-148.	9.6	81
16	Sorcin Induces a Drug-Resistant Phenotype in Human Colorectal Cancer by Modulating Ca ²⁺ Homeostasis. <i>Cancer Research</i> , 2011, 71, 7659-7669.	0.4	78
17	Resistance to paclitxel in breast carcinoma cells requires a quality control of mitochondrial antiapoptotic proteins by TRAP1. <i>Molecular Oncology</i> , 2013, 7, 895-906.	2.1	68
18	HSP90 Molecular Chaperones, Metabolic Rewiring, and Epigenetics: Impact on Tumor Progression and Perspective for Anticancer Therapy. <i>Cells</i> , 2019, 8, 532.	1.8	68

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19	TRAP1 Regulation of Cancer Metabolism: Dual Role as Oncogene or Tumor Suppressor. <i>Genes</i> , 2018, 9, 195.	1.0	65
20	Translational control in the stress adaptive response of cancer cells: a novel role for the heat shock protein TRAP1. <i>Cell Death and Disease</i> , 2013, 4, e851-e851.	2.7	55
21	Supercoiling in prokaryotic and eukaryotic DNA: changes in response to topological perturbation of plasmids in <i>E. coli</i> and SV40 in vitro, in nuclei and in CV-1 cells. <i>Nucleic Acids Research</i> , 1987, 15, 5105-5124.	6.5	53
22	The HIV-1 Transactivator Factor (Tat) Induces Enterocyte Apoptosis through a Redox-Mediated Mechanism. <i>PLoS ONE</i> , 2011, 6, e29436.	1.1	53
23	TRAP1 revisited: Novel localizations and functions of a "next-generation" biomarker (Review). <i>International Journal of Oncology</i> , 2014, 45, 969-977.	1.4	50
24	DNA binding activity of the glucocorticoid receptor is sensitive to redox changes in intact cells. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1995, 1260, 308-314.	2.4	48
25	Determination of pseudouridine and other nucleosides in human blood serum by high-performance liquid chromatography. <i>Analytical Biochemistry</i> , 1983, 130, 19-26.	1.1	47
26	TRAP1 regulates stemness through Wnt/ β -catenin pathway in human colorectal carcinoma. <i>Cell Death and Differentiation</i> , 2016, 23, 1792-1803.	5.0	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. <i>Cancer Research</i> , 2014, 74, 6693-6704.	0.4	43
28	Modulation of Mitochondrial Metabolic Reprogramming and Oxidative Stress to Overcome Chemoresistance in Cancer. <i>Biomolecules</i> , 2020, 10, 135.	1.8	43
29	Cholesterol Homeostasis Modulates Platinum Sensitivity in Human Ovarian Cancer. <i>Cells</i> , 2020, 9, 828.	1.8	41
30	TRAP1 downregulation in human ovarian cancer enhances invasion and epithelial-mesenchymal transition. <i>Cell Death and Disease</i> , 2016, 7, e2522-e2522.	2.7	40
31	The cytosolic ribonuclease inhibitor contributes to intracellular redox homeostasis. <i>FEBS Letters</i> , 2007, 581, 930-934.	1.3	36
32	Targeting TRAP1 as a downstream effector of BRAF cytoprotective pathway: A novel strategy for human BRAF-driven colorectal carcinoma. <i>Oncotarget</i> , 2015, 6, 22298-22309.	0.8	36
33	Stress-Adaptive Response in Ovarian Cancer Drug Resistance. <i>Advances in Protein Chemistry and Structural Biology</i> , 2017, 108, 163-198.	1.0	34
34	TRAP1 controls cell cycle G2-M transition through the regulation of CDK1 and MAD2 expression/ubiquitination. <i>Journal of Pathology</i> , 2017, 243, 123-134.	2.1	34
35	Retinoblastoma protein dephosphorylation is an early event of cellular response to prooxidant conditions. <i>FEBS Letters</i> , 2000, 470, 211-215.	1.3	32
36	TRAP1-dependent regulation of p70S6K is involved in the attenuation of protein synthesis and cell migration: Relevance in human colorectal tumors. <i>Molecular Oncology</i> , 2014, 8, 1482-1494.	2.1	32

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37	Metabolic Dysregulations and Epigenetics: A Bidirectional Interplay that Drives Tumor Progression. <i>Cells</i> , 2019, 8, 798.	1.8	31
38	The ribonuclease/angiogenin inhibitor is also present in mitochondria and nuclei. <i>FEBS Letters</i> , 2011, 585, 613-617.	1.3	30
39	TRAP1: a viable therapeutic target for future cancer treatments?. <i>Expert Opinion on Therapeutic Targets</i> , 2017, 21, 805-815.	1.5	30
40	Vascular effects of linagliptin in non-obese diabetic mice are glucose-independent and involve positive modulation of the endothelial nitric oxide synthase (eNOS)/caveolin-1 (CAV-1) pathway. <i>Diabetes, Obesity and Metabolism</i> , 2016, 18, 1236-1243.	2.2	29
41	A new p21waf1/cip1 isoform is an early event of cell response to oxidative stress. <i>Cell Death and Differentiation</i> , 1998, 5, 940-945.	5.0	28
42	Inhibition of NADH/NADPH Oxidase Affects Signal Transduction by Growth Factor Receptors in Normal Fibroblasts. <i>Archives of Biochemistry and Biophysics</i> , 2002, 397, 253-257.	1.4	28
43	Crucial role of androgen receptor in vascular H ₂ S biosynthesis induced by testosterone. <i>British Journal of Pharmacology</i> , 2015, 172, 1505-1515.	2.7	28
44	TRAP1 role in endoplasmic reticulum stress protection favors resistance to anthracyclins in breast carcinoma cells. <i>International Journal of Oncology</i> , 2014, 44, 573-582.	1.4	27
45	New insights into TRAP1 pathway. <i>American Journal of Cancer Research</i> , 2012, 2, 235-48.	1.4	26
46	Regulation of p21 waf1/cip1 Expression by Intracellular Redox Conditions. <i>IUBMB Life</i> , 2001, 52, 67-70.	1.5	24
47	TRAP1 regulates cell cycle and apoptosis in thyroid carcinoma cells. <i>Endocrine-Related Cancer</i> , 2016, 23, 699-709.	1.6	24
48	In budding yeast, reactive oxygen species induce both RAS-dependent and RAS-independent cell cycle-specific arrest. <i>Molecular Microbiology</i> , 1999, 32, 753-764.	1.2	23
49	TRAP1 controls cell migration of cancer cells in metabolic stress conditions: Correlations with AKT/p70S6K pathways. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2015, 1853, 2570-2579.	1.9	23
50	Mass Spectrometric/Bioinformatic Identification of a Protein Subset That Characterizes the Cellular Activity of Anticancer Peptides. <i>Journal of Proteome Research</i> , 2014, 13, 5250-5261.	1.8	22
51	Structure and in vitro transcription of tRNA gene clusters containing the primers of MuLV reverse transcriptase. <i>FEBS Journal</i> , 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. <i>Free Radical Biology and Medicine</i> , 2004, 36, 189-200.	1.3	20
53	Protein Syndesmos is a novel RNA-binding protein that regulates primary cilia formation. <i>Nucleic Acids Research</i> , 2018, 46, 12067-12086.	6.5	20
54	TRAP1 enhances Warburg metabolism through modulation of PFK1 expression/activity and favors resistance to EGFR inhibitors in human colorectal carcinomas. <i>Molecular Oncology</i> , 2020, 14, 3030-3047.	2.1	19

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55	IDH1 Targeting as a New Potential Option for Intrahepatic Cholangiocarcinoma Treatment—Current State and Future Perspectives. <i>Molecules</i> , 2020, 25, 3754.	1.7	18
56	TRAP1 protein signature predicts outcome in human metastatic colorectal carcinoma. <i>Oncotarget</i> , 2017, 8, 21229-21240.	0.8	18
57	AROS-29 is involved in adaptive response to oxidative stress. <i>Free Radical Research</i> , 2006, 40, 467-476.	1.5	17
58	Isolation of cDNA Fragments Hybridizing to Rat Brain-Specific mRNAs. <i>Developmental Neuroscience</i> , 1990, 12, 373-381.	1.0	16
59	Regulation of sub-compartmental targeting and folding properties of the Prion-like protein Shadoo. <i>Scientific Reports</i> , 2017, 7, 3731.	1.6	14
60	[22] Generation of prooxidant conditions in intact cells to induce modifications of cell cycle regulatory proteins. <i>Methods in Enzymology</i> , 2002, 352, 258-268.	0.4	13
61	Targeting Mitochondrial Protein Expression as a Future Approach for Cancer Therapy. <i>Frontiers in Oncology</i> , 2021, 11, 797265.	1.3	13
62	Oxidative DNA Damage and Activation of c-Jun N-Terminal Kinase Pathway in Fibroblasts from Patients with Hereditary Spastic Paraplegia. <i>Cellular and Molecular Neurobiology</i> , 2005, 25, 1245-1254.	1.7	9
63	TRAP1 Regulates Wnt/ β 2-Catenin Pathway through LRP5/6 Receptors Expression Modulation. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7526.	1.8	6
64	Heat shock proteins in thyroid malignancies: Potential therapeutic targets for poorly-differentiated and anaplastic tumours?. <i>Molecular and Cellular Endocrinology</i> , 2020, 502, 110676.	1.6	5
65	Insulin-resistant conditions: A favorable milieu for aggressive drug-resistant malignancies. <i>Journal of Gastrointestinal Oncology</i> , 2011, 2, 11-2.	0.6	5
66	Heat shock proteins in cancer stem cell maintenance: A potential therapeutic target?. <i>Histology and Histopathology</i> , 2020, 35, 25-37.	0.5	4
67	TRAP1 regulates the response of colorectal cancer cells to hypoxia and inhibits ribosome biogenesis under conditions of oxygen deprivation. <i>International Journal of Oncology</i> , 2022, 60, .	1.4	4
68	Gene Copy Number and Post-Transductional Mechanisms Regulate TRAP1 Expression in Human Colorectal Carcinomas. <i>International Journal of Molecular Sciences</i> , 2020, 21, 145.	1.8	3
69	Different mechanisms underlie IL-6 release in chemosensitive and chemoresistant ovarian carcinoma cells. <i>American Journal of Cancer Research</i> , 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). <i>BMC Proceedings</i> , 2010, 4, .	1.8	1
71	ER stress protection in cancer cells: the multifaceted role of the heat shock protein TRAP1. <i>Endoplasmic Reticulum Stress in Diseases</i> , 2014, 1, .	0.2	1
72	Isolation and Structural Characterization of the Rat Gene Encoding the Brain-Specific snRNP-Associated Polypeptide "N". <i>Biochemical and Biophysical Research Communications</i> , 1993, 195, 317-326.	1.0	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.	1.3	0
74	TRAP1., 2016,, 1-11.		0
75	TRAP1., 2018,, 5680-5690.		0