

Andrea Rasola

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

69

papers

4,264

citations

36

h-index

65

g-index

84

ext. papers

5,033

ext. citations

7.6

avg, IF

5.68

L-index

#	Paper	IF	Citations
69	The mitochondrial permeability transition pore and its involvement in cell death and in disease pathogenesis. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2007 , 12, 815-33	5.4	400
68	Mitochondrial permeability transition in Ca(2+)-dependent apoptosis and necrosis. <i>Cell Calcium</i> , 2011 , 50, 222-33	4	384
67	The Mitochondrial Permeability Transition Pore: Channel Formation by F-ATP Synthase, Integration in Signal Transduction, and Role in Pathophysiology. <i>Physiological Reviews</i> , 2015 , 95, 1111-55	47.9	376
66	Hexokinase II detachment from mitochondria triggers apoptosis through the permeability transition pore independent of voltage-dependent anion channels. <i>PLoS ONE</i> , 2008 , 3, e1852	3.7	203
65	Cancer stem cells from epithelial ovarian cancer patients privilege oxidative phosphorylation, and resist glucose deprivation. <i>Oncotarget</i> , 2014 , 5, 4305-19	3.3	185
64	Activation of mitochondrial ERK protects cancer cells from death through inhibition of the permeability transition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 726-31	11.5	182
63	The mitochondrial chaperone TRAP1 promotes neoplastic growth by inhibiting succinate dehydrogenase. <i>Cell Metabolism</i> , 2013 , 17, 988-999	24.6	169
62	Signal transduction to the permeability transition pore. <i>FEBS Letters</i> , 2010 , 584, 1989-96	3.8	138
61	Developmental shift of cyclophilin D contribution to hypoxic-ischemic brain injury. <i>Journal of Neuroscience</i> , 2009 , 29, 2588-96	6.6	107
60	A positive feedback loop between hepatocyte growth factor receptor and beta-catenin sustains colorectal cancer cell invasive growth. <i>Oncogene</i> , 2007 , 26, 1078-87	9.2	97
59	A flow cytometry assay simultaneously detects independent apoptotic parameters. <i>Cytometry</i> , 2001 , 45, 151-7		87
58	Apoptosis enhancement by the HIV-1 Nef protein. <i>Journal of Immunology</i> , 2001 , 166, 81-8	5.3	83
57	Mitochondrial oxidative phosphorylation TRAP(1)ped in tumor cells. <i>Trends in Cell Biology</i> , 2014 , 24, 455-63	6.3	82
56	The Chaperone TRAP1 As a Modulator of the Mitochondrial Adaptations in Cancer Cells. <i>Frontiers in Oncology</i> , 2017 , 7, 58	5.3	77
55	Compartmentalized activities of the pyruvate dehydrogenase complex sustain lipogenesis in prostate cancer. <i>Nature Genetics</i> , 2018 , 50, 219-228	36.3	71
54	Inhibition of glucose-6-phosphate dehydrogenase sensitizes cisplatin-resistant cells to death. <i>Oncotarget</i> , 2015 , 6, 30102-14	3.3	71
53	Cholesterol loss enhances TrkB signaling in hippocampal neurons aging in vitro. <i>Molecular Biology of the Cell</i> , 2008 , 19, 2101-12	3.5	70

52	Snake phospholipase A2 neurotoxins enter neurons, bind specifically to mitochondria, and open their transition pores. <i>Journal of Biological Chemistry</i> , 2008 , 283, 34013-20	5.4	69
51	The mitochondrial permeability transition pore and its adaptive responses in tumor cells. <i>Cell Calcium</i> , 2014 , 56, 437-45	4	64
50	GLP-1 Cleavage Product Reverses Persistent ROS Generation After Transient Hyperglycemia by Disrupting an ROS-Generating Feedback Loop. <i>Diabetes</i> , 2015 , 64, 3273-84	0.9	62
49	Metabolic reprogramming identifies the most aggressive lesions at early phases of hepatic carcinogenesis. <i>Oncotarget</i> , 2016 , 7, 32375-93	3.3	60
48	VEGF-targeted therapy stably modulates the glycolytic phenotype of tumor cells. <i>Cancer Research</i> , 2015 , 75, 120-33	10.1	56
47	Inhibition of succinate dehydrogenase by the mitochondrial chaperone TRAP1 has anti-oxidant and anti-apoptotic effects on tumor cells. <i>Oncotarget</i> , 2014 , 5, 11897-908	3.3	55
46	Molecular cloning and functional characterization of a GABA/betaine transporter from human kidney. <i>FEBS Letters</i> , 1995 , 373, 229-33	3.8	55
45	Absence of Neurofibromin Induces an Oncogenic Metabolic Switch via Mitochondrial ERK-Mediated Phosphorylation of the Chaperone TRAP1. <i>Cell Reports</i> , 2017 , 18, 659-672	10.6	54
44	Chemotherapeutic induction of mitochondrial oxidative stress activates GSK-3 β and Bax, leading to permeability transition pore opening and tumor cell death. <i>Cell Death and Disease</i> , 2012 , 3, e444	9.8	54
43	Metabolic Plasticity of Tumor Cell Mitochondria. <i>Frontiers in Oncology</i> , 2018 , 8, 333	5.3	54
42	Induction of the permeability transition pore in cells depleted of mitochondrial DNA. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2012 , 1817, 1860-6	4.6	45
41	Hepatocyte growth factor sensitizes human ovarian carcinoma cell lines to paclitaxel and cisplatin. <i>Cancer Research</i> , 2004 , 64, 1744-50	10.1	44
40	S-nitrosylation of the Mitochondrial Chaperone TRAP1 Sensitizes Hepatocellular Carcinoma Cells to Inhibitors of Succinate Dehydrogenase. <i>Cancer Research</i> , 2016 , 76, 4170-82	10.1	44
39	Lack of internucleosomal DNA fragmentation is related to Cl(-) efflux impairment in hematopoietic cell apoptosis. <i>FASEB Journal</i> , 1999 , 13, 1711-23	0.9	42
38	Myotonic dystrophy protein kinase (DMPK) prevents ROS-induced cell death by assembling a hexokinase II-Src complex on the mitochondrial surface. <i>Cell Death and Disease</i> , 2013 , 4, e858	9.8	41
37	GSK-3 and mitochondria in cancer cells. <i>Frontiers in Oncology</i> , 2013 , 3, 16	5.3	40
36	Antamanide, a derivative of <i>Amanita phalloides</i> , is a novel inhibitor of the mitochondrial permeability transition pore. <i>PLoS ONE</i> , 2011 , 6, e16280	3.7	40
35	SERPINB3 protects from oxidative damage by chemotherapeutics through inhibition of mitochondrial respiratory complex I. <i>Oncotarget</i> , 2014 , 5, 2418-27	3.3	40

34	p38 MAPK turns hepatocyte growth factor to a death signal that commits ovarian cancer cells to chemotherapy-induced apoptosis. <i>International Journal of Cancer</i> , 2006 , 118, 2981-90	7.5	37
33	Rational Design of Allosteric and Selective Inhibitors of the Molecular Chaperone TRAP1. <i>Cell Reports</i> , 2020 , 31, 107531	10.6	32
32	Ionic selectivity of volume-sensitive currents in human epithelial cells. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 1992 , 1139, 319-23	6.9	31
31	Hexokinase 2 displacement from mitochondria-associated membranes prompts Ca ²⁺ -dependent death of cancer cells. <i>EMBO Reports</i> , 2020 , 21, e49117	6.5	28
30	Design of Allosteric Stimulators of the Hsp90 ATPase as New Anticancer Leads. <i>Chemistry - A European Journal</i> , 2017 , 23, 5188-5192	4.8	27
29	Apoptosis to necrosis switching downstream of apoptosome formation requires inhibition of both glycolysis and oxidative phosphorylation in a BCL-X(L)- and PKB/AKT-independent fashion. <i>Cell Death and Differentiation</i> , 2004 , 11, 342-53	12.7	26
28	Hepatocyte growth factor installs a survival platform for colorectal cancer cell invasive growth and overcomes p38 MAPK-mediated apoptosis. <i>Cellular Signalling</i> , 2006 , 18, 1967-76	4.9	24
27	Extracellular 2-chloroadenosine and ATP stimulate volume-sensitive Cl ⁻ current and calcium mobilization in human tracheal 9HTEo ⁻ cells. <i>FEBS Letters</i> , 1992 , 304, 61-5	3.8	24
26	The Answer Lies in the Energy: How Simple Atomistic Molecular Dynamics Simulations May Hold the Key to Epitope Prediction on the Fully Glycosylated SARS-CoV-2 Spike Protein. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 8084-8093	6.4	24
25	Cyp46-mediated cholesterol loss promotes survival in stressed hippocampal neurons. <i>Neurobiology of Aging</i> , 2011 , 32, 933-43	5.6	20
24	A glutamine synthetase inhibitor increases survival and decreases cytokine response in a mouse model of acute liver failure. <i>Liver International</i> , 2011 , 31, 1209-21	7.9	19
23	Gadd45 activity is the principal effector of Shigella mitochondria-dependent epithelial cell death in vitro and ex vivo. <i>Cell Death and Disease</i> , 2011 , 2, e122	9.8	19
22	A gain of function mutation in the activation loop of platelet-derived growth factor beta-receptor deregulates its kinase activity. <i>Journal of Biological Chemistry</i> , 2004 , 279, 42516-27	5.4	19
21	Genes regulated by hepatocyte growth factor as targets to sensitize ovarian cancer cells to cisplatin. <i>Molecular Cancer Therapeutics</i> , 2006 , 5, 1126-35	6.1	18
20	Thyroid hormone inhibits hepatocellular carcinoma progression via induction of differentiation and metabolic reprogramming. <i>Journal of Hepatology</i> , 2020 , 72, 1159-1169	13.4	17
19	Gold(III)-pyrrolidinedithiocarbamate Derivatives as Antineoplastic Agents. <i>ChemistryOpen</i> , 2015 , 4, 183-913	9.1	16
18	A forskolin and verapamil sensitive K ⁺ current in human tracheal cells. <i>Biochemical and Biophysical Research Communications</i> , 1991 , 179, 1155-60	3.4	16
17	Defining the molecular mechanisms of the mitochondrial permeability transition through genetic manipulation of F ₁ F ₀ -ATP synthase. <i>Nature Communications</i> , 2021 , 12, 4835	17.4	16

16	The zebrafish orthologue of the human hepatocerebral disease gene plays pleiotropic roles in mitochondria. <i>DMM Disease Models and Mechanisms</i> , 2019 , 12,	4.1	14
15	Reprint of "The mitochondrial permeability transition pore and its adaptive responses in tumor cells". <i>Cell Calcium</i> , 2015 , 58, 18-26	4	14
14	Machine Learning of Allosteric Effects: The Analysis of Ligand-Induced Dynamics to Predict Functional Effects in TRAP1. <i>Journal of Physical Chemistry B</i> , 2021 , 125, 101-114	3.4	14
13	Hexokinase 2 in Cancer: A Prima Donna Playing Multiple Characters. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	12
12	S-nitrosylation affects TRAP1 structure and ATPase activity and modulates cell response to apoptotic stimuli. <i>Biochemical Pharmacology</i> , 2020 , 176, 113869	6	11
11	Dynamically Shaping Chaperones. Allosteric Modulators of HSP90 Family as Regulatory Tools of Cell Metabolism in Neoplastic Progression. <i>Frontiers in Oncology</i> , 2020 , 10, 1177	5.3	11
10	Honokiol Bis-Dichloroacetate Is a Selective Allosteric Inhibitor of the Mitochondrial Chaperone TRAP1. <i>Antioxidants and Redox Signaling</i> , 2021 , 34, 505-516	8.4	11
9	SARS-CoV-2 Spike Protein Mutations and Escape from Antibodies: A Computational Model of Epitope Loss in Variants of Concern. <i>Journal of Chemical Information and Modeling</i> , 2021 , 61, 4687-4700	6.1	10
8	Targeting the mitochondrial chaperone TRAP1: strategies and therapeutic perspectives. <i>Trends in Pharmacological Sciences</i> , 2021 , 42, 566-576	13.2	9
7	Progressively De-Differentiated Pancreatic Cancer Cells Shift from Glycolysis to Oxidative Metabolism and Gain a Quiescent Stem State. <i>Cells</i> , 2020 , 9,	7.9	8
6	HIF1 α -dependent induction of the mitochondrial chaperone TRAP1 regulates bioenergetic adaptations to hypoxia. <i>Cell Death and Disease</i> , 2021 , 12, 434	9.8	5
5	The molecular chaperone TRAP1 in cancer: From the basics of biology to pharmacological targeting. <i>Seminars in Cancer Biology</i> , 2021 , 76, 45-53	12.7	5
4	Efficient clofilium tosylate-mediated rescue of POLG-related disease phenotypes in zebrafish. <i>Cell Death and Disease</i> , 2021 , 12, 100	9.8	4
3	Contribution of the CK2 Catalytic Isoforms α and β to the Glycolytic Phenotype of Tumor Cells. <i>Cells</i> , 2021 , 10,	7.9	4
2	Protein allostery and ligand design: Computational design meets experiments to discover novel chemical probes.. <i>Journal of Molecular Biology</i> , 2022 , 167468	6.5	2
1	Analysis of the Effects of Hexokinase 2 Detachment From Mitochondria-Associated Membranes with the Highly Selective Peptide HK2pep. <i>Bio-protocol</i> , 2021 , 11, e4087	0.9	0