

Saverio Tardito

List of Publications by Year in descending order

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papers

4,086
citations

201674

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44
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citing authors

#	ARTICLE	IF	CITATIONS
1	Acetyl-CoA Synthetase 2 Promotes Acetate Utilization and Maintains Cancer Cell Growth under Metabolic Stress. <i>Cancer Cell</i> , 2015, 27, 57-71.	16.8	596
2	Glutamine synthetase activity fuels nucleotide biosynthesis and supports growth of glutamine-restricted glioblastoma. <i>Nature Cell Biology</i> , 2015, 17, 1556-1568.	10.3	423
3	Targeting mitochondrial oxidative phosphorylation eradicates therapy-resistant chronic myeloid leukemia stem cells. <i>Nature Medicine</i> , 2017, 23, 1234-1240.	30.7	382
4	Improving the metabolic fidelity of cancer models with a physiological cell culture medium. <i>Science Advances</i> , 2019, 5, eaau7314.	10.3	249
5	Copper Binding Agents Acting as Copper Ionophores Lead to Caspase Inhibition and Paraptotic Cell Death in Human Cancer Cells. <i>Journal of the American Chemical Society</i> , 2011, 133, 6235-6242.	13.7	240
6	Glucose and Glutamine Metabolism Regulate Human Hematopoietic Stem Cell Lineage Specification. <i>Cell Stem Cell</i> , 2014, 15, 169-184.	11.1	226
7	Copper Compounds in Anticancer Strategies. <i>Current Medicinal Chemistry</i> , 2009, 16, 1325-1348.	2.4	219
8	Copper-Dependent Cytotoxicity of 8-Hydroxyquinoline Derivatives Correlates with Their Hydrophobicity and Does Not Require Caspase Activation. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 10448-10459.	6.4	181
9	Cancer metabolism at a glance. <i>Journal of Cell Science</i> , 2016, 129, 3367-3373.	2.0	176
10	The Thioxotriazole Copper(II) Complex A0 Induces Endoplasmic Reticulum Stress and Paraptotic Death in Human Cancer Cells. <i>Journal of Biological Chemistry</i> , 2009, 284, 24306-24319.	3.4	115
11	The amino acid transporter SLC7A5 is required for efficient growth of KRAS-mutant colorectal cancer. <i>Nature Genetics</i> , 2021, 53, 16-26.	21.4	114
12	Altered metabolic landscape in IDH1-mutant gliomas affects phospholipid, energy, and oxidative stress pathways. <i>EMBO Molecular Medicine</i> , 2017, 9, 1681-1695.	6.9	111
13	HIF-independent role of prolyl hydroxylases in the cellular response to amino acids. <i>Oncogene</i> , 2013, 32, 4549-4556.	5.9	106
14	Cell Culture Medium Formulation and Its Implications in Cancer Metabolism. <i>Trends in Cancer</i> , 2019, 5, 329-332.	7.4	91
15	Expanding Targets for a Metabolic Therapy of Cancer: L-Asparaginase. <i>Recent Patents on Anti-Cancer Drug Discovery</i> , 2012, 7, 4-13.	1.6	88
16	Thioamido Coordination in a Thioxo-1,2,4-triazole Copper(II) Complex Enhances Nonapoptotic Programmed Cell Death Associated with Copper Accumulation and Oxidative Stress in Human Cancer Cells. <i>Journal of Medicinal Chemistry</i> , 2007, 50, 1916-1924.	6.4	71
17	Entry of glucose- and glutamine-derived carbons into the citric acid cycle supports early steps of HIV-1 infection in CD4 T cells. <i>Nature Metabolism</i> , 2019, 1, 717-730.	11.9	62
18	Polyphenon E [®] , a standardized green tea extract, induces endoplasmic reticulum stress, leading to death of immortalized PNT1a cells by anoikis and tumorigenic PC3 by necroptosis. <i>Carcinogenesis</i> , 2014, 35, 828-839.	2.8	58

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19	Glutamine depletion by crisantaspase hinders the growth of human hepatocellular carcinoma xenografts. <i>British Journal of Cancer</i> , 2014, 111, 1159-1167.	6.4	55
20	Non-apoptotic programmed cell death induced by a copper(II) complex in human fibrosarcoma cells. <i>Histochemistry and Cell Biology</i> , 2006, 126, 473-482.	1.7	49
21	Cancer-associated fibroblasts require proline synthesis by PYCR1 for the deposition of pro-tumorigenic extracellular matrix. <i>Nature Metabolism</i> , 2022, 4, 693-710.	11.9	49
22	L-Asparaginase and Inhibitors of Glutamine Synthetase Disclose Glutamine Addiction of β -Catenin-Mutated Human Hepatocellular Carcinoma Cells. <i>Current Cancer Drug Targets</i> , 2011, 11, 929-943.	1.6	45
23	Microbiome-derived carnitine mimics as previously unknown mediators of gut-brain axis communication. <i>Science Advances</i> , 2020, 6, eaax6328.	10.3	45
24	Regulatory T cell differentiation is controlled by β -KG-induced alterations in mitochondrial metabolism and lipid homeostasis. <i>Cell Reports</i> , 2021, 37, 109911.	6.4	39
25	The inhibition of glutamine synthetase sensitizes human sarcoma cells to l-asparaginase. <i>Cancer Chemotherapy and Pharmacology</i> , 2007, 60, 751-758.	2.3	37
26	Glutamine stimulates mTORC1 independent of the cell content of essential amino acids. <i>Amino Acids</i> , 2012, 43, 2561-2567.	2.7	29
27	Platelet gel in the treatment of cutaneous ulcers: the experience of the Immunohaematology and Transfusion Centre of Parma. <i>Blood Transfusion</i> , 2010, 8, 237-47.	0.4	29
28	An IDH1-vitamin C crosstalk drives human erythroid development by inhibiting pro-oxidant mitochondrial metabolism. <i>Cell Reports</i> , 2021, 34, 108723.	6.4	28
29	Synthesis, solution equilibria and antiproliferative activity of copper(II) aminomethyltriazole and aminomethylthioxotriazoline complexes. <i>Journal of Inorganic Biochemistry</i> , 2005, 99, 1573-1584.	3.5	27
30	Activation of β -Catenin Cooperates with Loss of Pten to Drive AR-Independent Castration-Resistant Prostate Cancer. <i>Cancer Research</i> , 2020, 80, 576-590.	0.9	26
31	Oligodendrogloma Cells Lack Glutamine Synthetase and Are Auxotrophic for Glutamine, but Do not Depend on Glutamine Anaplerosis for Growth. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1099.	4.1	20
32	TOE1 interacts with p53 to modulate its transactivation potential. <i>FEBS Letters</i> , 2009, 583, 2165-2170.	2.8	18
33	A map of the altered glioma metabolism. <i>Trends in Molecular Medicine</i> , 2021, 27, 1045-1059.	6.7	18
34	ALL blasts drive primary mesenchymal stromal cells to increase asparagine availability during asparaginase treatment. <i>Blood Advances</i> , 2021, 5, 5164-5178.	5.2	14
35	Synthesis, structural characterisation and solution chemistry of ruthenium(III) triazole-thiadiazine complexes. <i>Dalton Transactions</i> , 2009, , 3766.	3.3	11
36	Aspartate metabolism in endothelial cells activates the mTORC1 pathway to initiate translation during angiogenesis. <i>Developmental Cell</i> , 2022, 57, 1241-1256.e8.	7.0	11

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37	Cystathionine- β -lyase drives antioxidant defense in cysteine-restricted IDH1-mutant astrocytomas. <i>Neuro-Oncology Advances</i> , 2021, 3, vdab057.	0.7	10
38	The non-proteinogenic amino acids l-methionine sulfoximine and dl-phosphinothricin activate mTOR. <i>Amino Acids</i> , 2012, 42, 2507-2512.	2.7	9
39	Mesenchymal stromal cells cultured in physiological conditions sustain citrate secretion with glutamate anaplerosis. <i>Molecular Metabolism</i> , 2022, , 101532.	6.5	3
40	Paraptotic Cell Death Induced by the Thioxotriazole Copper Complex A0: A New Tool to Kill Apoptosis-Resistant Cancer Cells. , 2009, , 201-207.		0
41	Glutamine Synthetase plays a dual role in the dependence of human cancer cells from glutamine. <i>FASEB Journal</i> , 2012, 26, 145.18.	0.5	0