

Edoardo Gaude

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

5,624
citations

201674

27
h-index

361022

35
g-index

38
all docs

38
docs citations

38
times ranked

11740
citing authors

#	ARTICLE	IF	CITATIONS
1	Ischaemic accumulation of succinate controls reperfusion injury through mitochondrial ROS. Nature, 2014, 515, 431-435.	27.8	1,989
2	Fumarate is an epigenetic modifier that elicits epithelial-to-mesenchymal transition. Nature, 2016, 537, 544-547.	27.8	443
3	The stem cell secretome and its role in brain repair. Biochimie, 2013, 95, 2271-2285.	2.6	294
4	Tissue-specific and convergent metabolic transformation of cancer correlates with metastatic potential and patient survival. Nature Communications, 2016, 7, 13041.	12.8	271
5	Mutant Kras copy number defines metabolic reprogramming and therapeutic susceptibilities. Nature, 2016, 531, 110-113.	27.8	256
6	Genome editing in mitochondria corrects a pathogenic mtDNA mutation in vivo. Nature Medicine, 2018, 24, 1691-1695.	30.7	215
7	Defects in mitochondrial metabolism and cancer. Cancer & Metabolism, 2014, 2, 10.	5.0	208
8	Fumarate induces redox-dependent senescence by modifying glutathione metabolism. Nature Communications, 2015, 6, 6001.	12.8	208
9	NADH Shuttling Couples Cytosolic Reductive Carboxylation of Glutamine with Glycolysis in Cells with Mitochondrial Dysfunction. Molecular Cell, 2018, 69, 581-593.e7.	9.7	171
10	Germline FH Mutations Presenting With Pheochromocytoma. Journal of Clinical Endocrinology and Metabolism, 2014, 99, E2046-E2050.	3.6	147
11	Phenotype-based cell-specific metabolic modeling reveals metabolic liabilities of cancer. ELife, 2014, 3, .	6.0	116
12	Safety and Efficacy of Transcranial Direct Current Stimulation in Acute Experimental Ischemic Stroke. Stroke, 2013, 44, 3166-3174.	2.0	114
13	A three-dimensional engineered tumour for spatial snapshot analysis of cell metabolism and phenotype in hypoxic gradients. Nature Materials, 2016, 15, 227-234.	27.5	113
14	Extracellular vesicles are independent metabolic units with asparaginase activity. Nature Chemical Biology, 2017, 13, 951-955.	8.0	107
15	Inhibition of glucose-6-phosphate dehydrogenase sensitizes cisplatin-resistant cells to death. Oncotarget, 2015, 6, 30102-30114.	1.8	101
16	Near-complete elimination of mutant mtDNA by iterative or dynamic dose-controlled treatment with mtZFNs. Nucleic Acids Research, 2016, 44, 7804-7816.	14.5	97
17	muma, An R Package for Metabolomics Univariate and Multivariate Statistical Analysis. Current Metabolomics, 2013, 1, 180-189.	0.5	93
18	Integrated Pharmacodynamic Analysis Identifies Two Metabolic Adaption Pathways to Metformin in Breast Cancer. Cell Metabolism, 2018, 28, 679-688.e4.	16.2	92

#	ARTICLE	IF	CITATIONS
19	The Metabolic Alterations of Cancer Cells. <i>Methods in Enzymology</i> , 2014, 542, 1-23.	1.0	87
20	Fumarate Hydratase Loss Causes Combined Respiratory Chain Defects. <i>Cell Reports</i> , 2017, 21, 1036-1047.	6.4	61
21	Mitochondrial Metabolism: Yin and Yang for Tumor Progression. <i>Trends in Endocrinology and Metabolism</i> , 2017, 28, 748-757.	7.1	59
22	Nuclear α -ARRB1 induces pseudohypoxia and cellular metabolism reprogramming in prostate cancer. <i>EMBO Journal</i> , 2014, 33, 1365-1382.	7.8	57
23	Targeted breath analysis: exogenous volatile organic compounds (EVOC) as metabolic pathway-specific probes. <i>Journal of Breath Research</i> , 2019, 13, 032001.	3.0	49
24	Mammalian Circadian Period, But Not Phase and Amplitude, Is Robust Against Redox and Metabolic Perturbations. <i>Antioxidants and Redox Signaling</i> , 2018, 28, 507-520.	5.4	48
25	Metabolic Reprogramming of Mononuclear Phagocytes in Progressive Multiple Sclerosis. <i>Frontiers in Immunology</i> , 2015, 6, 106.	4.8	33
26	Hypoxia-induced nitric oxide production and tumour perfusion is inhibited by pegylated arginine deiminase (ADI-PEG20). <i>Scientific Reports</i> , 2016, 6, 22950.	3.3	32
27	The potential of breath analysis to improve outcome for patients with lung cancer. <i>Journal of Breath Research</i> , 2019, 13, 034002.	3.0	31
28	Transcriptomic analysis of human primary breast cancer identifies fatty acid oxidation as a target for metformin. <i>British Journal of Cancer</i> , 2020, 122, 258-265.	6.4	28
29	Metabolic determinants of the immune modulatory function of neural stem cells. <i>Journal of Neuroinflammation</i> , 2016, 13, 232.	7.2	25
30	mTORC1 ^{Up} regulation Leads to Accumulation of the Oncometabolite Fumarate in a Mouse Model of Renal Cell Carcinoma. <i>Cell Reports</i> , 2018, 24, 1093-1104.e6.	6.4	20
31	Breath biopsy for early detection and precision medicine in cancer. <i>Ecancermedicalscience</i> , 2018, 12, ed84.	1.1	11
32	Early Neutrophilia Marked by Aerobic Glycolysis Sustains Host Metabolism and Delays Cancer Cachexia. <i>Cancers</i> , 2022, 14, 963.	3.7	9
33	A Novel Combination of Blood Biomarkers and Clinical Stroke Scales Facilitates Detection of Large Vessel Occlusion Ischemic Strokes. <i>Diagnostics</i> , 2021, 11, 1137.	2.6	7
34	Abstract LB-200: Integrating dynamic 18F-FDG PET-CT, tumor metabolomics and functional genomics to understand metformin's pharmacodynamic effects in breast cancer: results of a phase 0 clinical trial. , 2016, , .		1
35	Metformin increases 18F-FDG flux and inhibits fatty acid oxidation at clinical doses in breast cancer: Results of a phase 0 clinical trial. <i>European Journal of Surgical Oncology</i> , 2016, 42, S230.	1.0	0