Katerina Rohlenova

List of Publications by Year
in descending order

29	2,463	430442	476904
papers	citations	18 h-index	29 g-index

31	31	31	3896
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Single-Cell Transcriptome Atlas of Murine Endothelial Cells. Cell, 2020, 180, 764-779.e20.	13.5	755
2	An Integrated Gene Expression Landscape Profiling Approach to Identify Lung Tumor Endothelial Cell Heterogeneity and Angiogenic Candidates. Cancer Cell, 2020, 37, 21-36.e13.	7.7	253
3	Endothelial Cell Metabolism in Health and Disease. Trends in Cell Biology, 2018, 28, 224-236.	3.6	208
4	Reactivation of Dihydroorotate Dehydrogenase-Driven Pyrimidine Biosynthesis Restores Tumor Growth of Respiration-Deficient Cancer Cells. Cell Metabolism, 2019, 29, 399-416.e10.	7.2	190
5	Single-Cell RNA Sequencing Maps Endothelial Metabolic Plasticity in Pathological Angiogenesis. Cell Metabolism, 2020, 31, 862-877.e14.	7.2	169
6	Single-Cell RNA Sequencing Reveals Renal Endothelium Heterogeneity and Metabolic Adaptation to Water Deprivation. Journal of the American Society of Nephrology: JASN, 2020, 31, 118-138.	3.0	117
7	Selective Disruption of Respiratory Supercomplexes as a New Strategy to Suppress Her2^{high} Breast Cancer. Antioxidants and Redox Signaling, 2017, 26, 84-103.	2.5	93
8	The metabolic engine of endothelial cells. Nature Metabolism, 2019, 1, 937-946.	5.1	70
9	EndoDB: a database of endothelial cell transcriptomics data. Nucleic Acids Research, 2019, 47, D736-D744.	6.5	70
10	Selective elimination of senescent cells by mitochondrial targeting is regulated by ANT2. Cell Death and Differentiation, 2019, 26, 276-290.	5.0	69
11	Mitochondrially targeted vitamin E succinate efficiently kills breast tumour-initiating cells in a complex II-dependent manner. BMC Cancer, 2015, 15, 401.	1.1	63
12	CD133-positive cells are resistant to TRAIL due to up-regulation of FLIP. Biochemical and Biophysical Research Communications, 2008, 373, 567-571.	1.0	59
13	Tumor vessel co-option probed by single-cell analysis. Cell Reports, 2021, 35, 109253.	2.9	44
14	BIOMEX: an interactive workflow for (single cell) omics data interpretation and visualization. Nucleic Acids Research, 2020, 48, W385-W394.	6.5	43
15	MicroRNA-126 induces autophagy by altering cell metabolism in malignant mesothelioma. Oncotarget, 2016, 7, 36338-36352.	0.8	41
16	Indoleamine-2,3-dioxygenase elevated in tumor-initiating cells is suppressed by mitocans. Free Radical Biology and Medicine, 2014, 67, 41-50.	1.3	27
17	The role of Her2 and other oncogenes of the PI3K/AKT pathway in mitochondria. Biological Chemistry, 2016, 397, 607-615.	1.2	26
18	Antioxidant defense in quiescent cells determines selectivity of electron transport chain inhibition-induced cell death. Free Radical Biology and Medicine, 2017, 112, 253-266.	1.3	20

#	Article	IF	Citations
19	Cancer cells with high expression of CD133 exert FLIP upregulation and resistance to TRAIL-induced apoptosis. BioFactors, 2008, 34, 231-5.	2.6	13
20	Mitochondrial respiration supports autophagy to provide stress resistance during quiescence. Autophagy, 2022, 18, 2409-2426.	4.3	13
21	Cancer cells with high expression of CD133 exert FLIP upregulation and resistance to TRAILâ€induced apoptosis. BioFactors, 2008, 34, 231-235.	2.6	12
22	Protocols for endothelial cell isolation from mouse tissues: brain, choroid, lung, and muscle. STAR Protocols, 2021, 2, 100508.	0.5	12
23	Protocols for endothelial cell isolation from mouse tissues: small intestine, colon, heart, and liver. STAR Protocols, 2021, 2, 100489.	0.5	11
24	The Potential Role of CD133 in Immune Surveillance and Apoptosis: A Mitochondrial Connection?. Antioxidants and Redox Signaling, 2011, 15, 2989-3002.	2.5	8
25	Protocols for endothelial cell isolation from mouse tissues: kidney, spleen, and testis. STAR Protocols, 2021, 2, 100523.	0.5	7
26	Mitocans: Mitochondrially Targeted Anti-cancer Drugs. , 2018, , 613-635.		6
27	Heterogeneous Effects of Calorie Content and Nutritional Components Underlie Dietary Influence on Pancreatic Cancer Susceptibility. Cell Reports, 2020, 32, 107880.	2.9	6
28	Selective elimination of senescent cells by mitochondrial targeting is regulated via ANT2. Free Radical Biology and Medicine, 2018, 120, S116.	1.3	1
29	Oxidative phosphorylation provides stress resistance in non-proliferating cells. Free Radical Biology and Medicine, 2021, 165, 46.	1.3	0