Katerina Rohlenova

List of Publications by Year in Descending Order

27 papers	1,171 citations	17 h-index	31 g-index
31 ext. papers	1,844 ext. citations	11.7 avg, IF	4.14 L-index

#	Paper	IF	Citations
27	Mitochondrial respiration supports autophagy to provide stress resistance during quiescence.. *Autophagy*, **2022**, 1-18	10.2	1
26	Protocols for endothelial cell isolation from mouse tissues: small intestine, colon, heart, and liver. *STAR Protocols*, **2021**, 2, 100489	1.4	2
25	Tumor vessel co-option probed by single-cell analysis. *Cell Reports*, **2021**, 35, 109253	10.6	8
24	Protocols for endothelial cell isolation from mouse tissues: kidney, spleen, and testis. *STAR Protocols*, **2021**, 2, 100523	1.4	1
23	Protocols for endothelial cell isolation from mouse tissues: brain, choroid, lung, and muscle. *STAR Protocols*, **2021**, 2, 100508	1.4	0
22	BIOMEX: an interactive workflow for (single cell) omics data interpretation and visualization. *Nucleic Acids Research*, **2020**, 48, W385-W394	20.1	22
21	Single-Cell Transcriptome Atlas of Murine Endothelial Cells. *Cell*, **2020**, 180, 764-779.e20	56.2	281
20	An Integrated Gene Expression Landscape Profiling Approach to Identify Lung Tumor Endothelial Cell Heterogeneity and Angiogenic Candidates. *Cancer Cell*, **2020**, 37, 21-36.e13	24.3	93
19	Single-Cell RNA Sequencing Maps Endothelial Metabolic Plasticity in Pathological Angiogenesis. *Cell Metabolism*, **2020**, 31, 862-877.e14	24.6	67
18	Heterogeneous Effects of Calorie Content and Nutritional Components Underlie Dietary Influence on Pancreatic Cancer Susceptibility. *Cell Reports*, **2020**, 32, 107880	10.6	1
17	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	12.7	50
16	Selective elimination of senescent cells by mitochondrial targeting is regulated by ANT2. *Cell Death and Differentiation*, **2019**, 26, 276-290	12.7	44
15	The metabolic engine of endothelial cells. *Nature Metabolism*, **2019**, 1, 937-946	14.6	31
14	Reactivation of Dihydroorotate Dehydrogenase-Driven Pyrimidine Biosynthesis Restores Tumor Growth of Respiration-Deficient Cancer Cells. *Cell Metabolism*, **2019**, 29, 399-416.e10	24.6	104
13	EndoDB: a database of endothelial cell transcriptomics data. *Nucleic Acids Research*, **2019**, 47, D736-D744	10.1	42
12	Mitocans: Mitochondrially Targeted Anti-cancer Drugs **2018**, 613-635		4
11	Endothelial Cell Metabolism in Health and Disease. *Trends in Cell Biology*, **2018**, 28, 224-236	18.3	121

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10	Selective Disruption of Respiratory Supercomplexes as a New Strategy to Suppress Her2 Breast Cancer. *Antioxidants and Redox Signaling*, **2017**, 26, 84-103	8.4	59
9	Antioxidant defense in quiescent cells determines selectivity of electron transport chain inhibition-induced cell death. *Free Radical Biology and Medicine*, **2017**, 112, 253-266	7.8	16
8	MicroRNA-126 induces autophagy by altering cell metabolism in malignant mesothelioma. *Oncotarget*, **2016**, 7, 36338-36352	3.3	31
7	The role of Her2 and other oncogenes of the PI3K/AKT pathway in mitochondria. *Biological Chemistry*, **2016**, 397, 607-15	4.5	20
6	Mitochondrially targeted vitamin E succinate efficiently kills breast tumour-initiating cells in a complex II-dependent manner. *BMC Cancer*, **2015**, 15, 401	4.8	48
5	Indoleamine-2,3-dioxygenase elevated in tumor-initiating cells is suppressed by mitocans. *Free Radical Biology and Medicine*, **2014**, 67, 41-50	7.8	18
4	The potential role of CD133 in immune surveillance and apoptosis: a mitochondrial connection?. *Antioxidants and Redox Signaling*, **2011**, 15, 2989-3002	8.4	7
3	CD133-positive cells are resistant to TRAIL due to up-regulation of FLIP. *Biochemical and Biophysical Research Communications*, **2008**, 373, 567-71	3.4	48
2	Cancer cells with high expression of CD133 exert FLIP upregulation and resistance to TRAIL-induced apoptosis. *BioFactors*, **2008**, 34, 231-235	6.1	11
1	Cancer cells with high expression of CD133 exert FLIP upregulation and resistance to TRAIL-induced apoptosis. *BioFactors*, **2008**, 34, 231-5	6.1	11