

Katerina Rohlenova

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.

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	Single-Cell Transcriptome Atlas of Murine Endothelial Cells. <i>Cell</i> , 2020 , 180, 764-779.e20	56.2	281
26	Endothelial Cell Metabolism in Health and Disease. <i>Trends in Cell Biology</i> , 2018 , 28, 224-236	18.3	121
25	Reactivation of Dihydroorotate Dehydrogenase-Driven Pyrimidine Biosynthesis Restores Tumor Growth of Respiration-Deficient Cancer Cells. <i>Cell Metabolism</i> , 2019 , 29, 399-416.e10	24.6	104
24	An Integrated Gene Expression Landscape Profiling Approach to Identify Lung Tumor Endothelial Cell Heterogeneity and Angiogenic Candidates. <i>Cancer Cell</i> , 2020 , 37, 21-36.e13	24.3	93
23	Single-Cell RNA Sequencing Maps Endothelial Metabolic Plasticity in Pathological Angiogenesis. <i>Cell Metabolism</i> , 2020 , 31, 862-877.e14	24.6	67
22	Selective Disruption of Respiratory Supercomplexes as a New Strategy to Suppress Her2 Breast Cancer. <i>Antioxidants and Redox Signaling</i> , 2017 , 26, 84-103	8.4	59
21	Single-Cell RNA Sequencing Reveals Renal Endothelium Heterogeneity and Metabolic Adaptation to Water Deprivation. <i>Journal of the American Society of Nephrology: JASN</i> , 2020 , 31, 118-138	12.7	50
20	Mitochondrially targeted vitamin E succinate efficiently kills breast tumour-initiating cells in a complex II-dependent manner. <i>BMC Cancer</i> , 2015 , 15, 401	4.8	48
19	CD133-positive cells are resistant to TRAIL due to up-regulation of FLIP. <i>Biochemical and Biophysical Research Communications</i> , 2008 , 373, 567-71	3.4	48
18	Selective elimination of senescent cells by mitochondrial targeting is regulated by ANT2. <i>Cell Death and Differentiation</i> , 2019 , 26, 276-290	12.7	44
17	EndoDB: a database of endothelial cell transcriptomics data. <i>Nucleic Acids Research</i> , 2019 , 47, D736-D744	10.1	42
16	MicroRNA-126 induces autophagy by altering cell metabolism in malignant mesothelioma. <i>Oncotarget</i> , 2016 , 7, 36338-36352	3.3	31
15	The metabolic engine of endothelial cells. <i>Nature Metabolism</i> , 2019 , 1, 937-946	14.6	31
14	BIOMEX: an interactive workflow for (single cell) omics data interpretation and visualization. <i>Nucleic Acids Research</i> , 2020 , 48, W385-W394	20.1	22
13	The role of Her2 and other oncogenes of the PI3K/AKT pathway in mitochondria. <i>Biological Chemistry</i> , 2016 , 397, 607-15	4.5	20
12	Indoleamine-2,3-dioxygenase elevated in tumor-initiating cells is suppressed by mitocans. <i>Free Radical Biology and Medicine</i> , 2014 , 67, 41-50	7.8	18
11	Antioxidant defense in quiescent cells determines selectivity of electron transport chain inhibition-induced cell death. <i>Free Radical Biology and Medicine</i> , 2017 , 112, 253-266	7.8	16

10	Cancer cells with high expression of CD133 exert FLIP upregulation and resistance to TRAIL-induced apoptosis. <i>BioFactors</i> , 2008 , 34, 231-235	6.1	11
9	Cancer cells with high expression of CD133 exert FLIP upregulation and resistance to TRAIL-induced apoptosis. <i>BioFactors</i> , 2008 , 34, 231-5	6.1	11
8	Tumor vessel co-option probed by single-cell analysis. <i>Cell Reports</i> , 2021 , 35, 109253	10.6	8
7	The potential role of CD133 in immune surveillance and apoptosis: a mitochondrial connection?. <i>Antioxidants and Redox Signaling</i> , 2011 , 15, 2989-3002	8.4	7
6	Mitocans: Mitochondrially Targeted Anti-cancer Drugs 2018 , 613-635		4
5	Protocols for endothelial cell isolation from mouse tissues: small intestine, colon, heart, and liver. <i>STAR Protocols</i> , 2021 , 2, 100489	1.4	2
4	Heterogeneous Effects of Calorie Content and Nutritional Components Underlie Dietary Influence on Pancreatic Cancer Susceptibility. <i>Cell Reports</i> , 2020 , 32, 107880	10.6	1
3	Protocols for endothelial cell isolation from mouse tissues: kidney, spleen, and testis. <i>STAR Protocols</i> , 2021 , 2, 100523	1.4	1
2	Mitochondrial respiration supports autophagy to provide stress resistance during quiescence.. <i>Autophagy</i> , 2022 , 1-18	10.2	1
1	Protocols for endothelial cell isolation from mouse tissues: brain, choroid, lung, and muscle. <i>STAR Protocols</i> , 2021 , 2, 100508	1.4	0