Thomas Bertero

List of Publications by Year
in descending order

34 papers	2,448 citations	331670 21 h-index	377865 34 g-index
35 all docs	35 docs citations	35 times ranked	3912 citing authors

#	Article	IF	Citations
1	Vascular stiffness mechanoactivates YAP/TAZ-dependent glutaminolysis to drive pulmonary hypertension. Journal of Clinical Investigation, 2016, 126, 3313-3335.	8.2	303
2	Epigenetic switch drives the conversion of fibroblasts into proinvasive cancer-associated fibroblasts. Nature Communications, 2015, 6, 10204.	12.8	273
3	Tumor-Stroma Mechanics Coordinate Amino Acid Availability to Sustain Tumor Growth and Malignancy. Cell Metabolism, 2019, 29, 124-140.e10.	16.2	232
4	Matrix Remodeling Promotes Pulmonary Hypertension through Feedback Mechanoactivation of the YAP/TAZ-miR-130/301 Circuit. Cell Reports, 2015, 13, 1016-1032.	6.4	193
5	Identification of Keratinocyte Growth Factor as a Target of microRNA-155 in Lung Fibroblasts: Implication in Epithelial-Mesenchymal Interactions. PLoS ONE, 2009, 4, e6718.	2.5	192
6	Systems-level regulation of microRNA networks by miR-130/301 promotes pulmonary hypertension. Journal of Clinical Investigation, 2014, 124, 3514-3528.	8.2	182
7	The MicroRNA-130/301 Family Controls Vasoconstriction in Pulmonary Hypertension. Journal of Biological Chemistry, 2015, 290, 2069-2085.	3.4	80
8	miRâ€483â€3p controls proliferation in wounded epithelial cells. FASEB Journal, 2011, 25, 3092-3105.	0.5	76
9	Bmpr2 Mutant Rats Develop Pulmonary and Cardiac Characteristics of Pulmonary Arterial Hypertension. Circulation, 2019, 139, 932-948.	1.6	74
10	Matrix Stiffening and EGFR Cooperate to Promote the Collective Invasion of Cancer Cells. Cancer Research, 2018, 78, 5229-5242.	0.9	72
11	Characterization of Kcnk3 -Mutated Rat, a Novel Model of Pulmonary Hypertension. Circulation Research, 2019, 125, 678-695.	4.5	70
12	miR-193b/365a cluster controls progression of epidermal squamous cell carcinoma. Carcinogenesis, 2014, 35, 1110-1120.	2.8	66
13	Mechano-induced cell metabolism promotes microtubule glutamylation to force metastasis. Cell Metabolism, 2021, 33, 1342-1357.e10.	16.2	66
14	A YAP/TAZ-miR-130/301 molecular circuit exerts systems-level control of fibrosis in a network of human diseases and physiologic conditions. Scientific Reports, 2015, 5, 18277.	3.3	58
15	BOLA (BolA Family Member 3) Deficiency Controls Endothelial Metabolism and Glycine Homeostasis in Pulmonary Hypertension. Circulation, 2019, 139, 2238-2255.	1.6	54
16	Tumor suppressor function of miR-483-3p on squamous cell carcinomas due to its pro-apoptotic properties. Cell Cycle, 2013, 12, 2183-2193.	2.6	52
17	p38MAPK builds a hyaluronan cancer niche to drive lung tumorigenesis. Genes and Development, 2016, 30, 2623-2636.	5.9	43
18	Inhibition of CHK 1 (Checkpoint Kinase 1) Elicits Therapeutic Effects in Pulmonary Arterial Hypertension. Arteriosclerosis, Thrombosis, and Vascular Biology, 2019, 39, 1667-1681.	2.4	40

#	Article	IF	Citations
19	Frataxin deficiency promotes endothelial senescence in pulmonary hypertension. Journal of Clinical Investigation, 2021, 131, .	8.2	38
20	Impact of MicroRNAs in the Cellular Response to Hypoxia. International Review of Cell and Molecular Biology, 2017, 333, 91-158.	3.2	37
21	â€œSeed-Milarityâ€•Confers to hsa-miR-210 and hsa-miR-147b Similar Functional Activity. PLoS ONE, 2012, 7, e44919.	2.5	33
22	Factors Associated with Heritable Pulmonary Arterial Hypertension Exert Convergent Actions on the miR-130/301-Vascular Matrix Feedback Loop. International Journal of Molecular Sciences, 2018, 19, 2289.	4.1	24
23	Brown adipose tissue monocytes support tissue expansion. Nature Communications, 2021, 12, 5255.	12.8	23
24	UBTD1 is a mechanoâ€•regulator controlling cancer aggressiveness. EMBO Reports, 2019, 20, .	4.5	21
25	Long Range Endocrine Delivery of Circulating miR-210 to Endothelium Promotes Pulmonary Hypertension. Circulation Research, 2020, 127, 677-692.	4.5	21
26	The molecular rationale for therapeutic targeting of glutamine metabolism in pulmonary hypertension. Expert Opinion on Therapeutic Targets, 2019, 23, 511-524.	3.4	19
27	Membrane-bound ICAM-1 contributes to the onset of proinvasive tumor stroma by controlling acto-myosin contractility in carcinoma-associated fibroblasts. Oncotarget, 2017, 8, 1304-1320.	1.8	17
28	Simultaneous Pharmacologic Inhibition of Yesâ€•Associated Protein 1 and Glutaminase 1 via Inhaled Poly(Lacticâ€•coâ€•Glycolic) Acidâ€“Encapsulated Microparticles Improves Pulmonary Hypertension. Journal of the American Heart Association, 2021, 10, e019091.	3.7	16
29	Computational repurposing of therapeutic small molecules from cancer to pulmonary hypertension. Science Advances, 2021, 7, eabh3794.	10.3	16
30	Matrix stiffening induces a pathogenic QKI-miR-7-SRSF1 signaling axis in pulmonary arterial endothelial cells. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2021, 320, L726-L738.	2.9	13
31	MicroRNA Target Identification: Lessons from HypoxamiRs. Antioxidants and Redox Signaling, 2014, 21, 1249-1268.	5.4	12
32	Metabo-reciprocity in cell mechanics: feeling the demands/feeding the demand. Trends in Cell Biology, 2022, 32, 624-636.	7.9	11
33	Longitudinal Evaluation of Pulmonary Arterial Hypertension in a Rhesus Macaque (Macaca mulatta) Model of HIV Infection. Comparative Medicine, 2018, 68, 461-473.	1.0	10
34	Mechanical forces rewire metabolism in the tumor niche. Molecular and Cellular Oncology, 2019, 6, 1592945.	0.7	10