

# Michael Potente

## List of Publications by Year in descending order

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49  
papers

11,027  
citations

109321

35  
h-index

206112

48  
g-index

50  
all docs

50  
docs citations

50  
times ranked

16480  
citing authors

#	ARTICLE	IF	CITATIONS
1	Basic and Therapeutic Aspects of Angiogenesis. <i>Cell</i> , 2011, 146, 873-887.	28.9	2,263
2	MicroRNA-92a Controls Angiogenesis and Functional Recovery of Ischemic Tissues in Mice. <i>Science</i> , 2009, 324, 1710-1713.	12.6	1,114
3	Cytochrome P450 2C is an EDHF synthase in coronary arteries. <i>Nature</i> , 1999, 401, 493-497.	27.8	838
4	MicroRNA-34a regulates cardiac ageing and function. <i>Nature</i> , 2013, 495, 107-110.	27.8	717
5	SIRT1 controls endothelial angiogenic functions during vascular growth. <i>Genes and Development</i> , 2007, 21, 2644-2658.	5.9	540
6	Endothelial adherens junctions control tight junctions by VE-cadherin-mediated upregulation of claudin-5. <i>Nature Cell Biology</i> , 2008, 10, 923-934.	10.3	538
7	Involvement of Foxo transcription factors in angiogenesis and postnatal neovascularization. <i>Journal of Clinical Investigation</i> , 2005, 115, 2382-2392.	8.2	440
8	FOXO1 couples metabolic activity and growth state in the vascular endothelium. <i>Nature</i> , 2016, 529, 216-220.	27.8	438
9	Vascular heterogeneity and specialization in development and disease. <i>Nature Reviews Molecular Cell Biology</i> , 2017, 18, 477-494.	37.0	425
10	Acetylation-dependent regulation of endothelial Notch signalling by the SIRT1 deacetylase. <i>Nature</i> , 2011, 473, 234-238.	27.8	350
11	Nrarp Coordinates Endothelial Notch and Wnt Signaling to Control Vessel Density in Angiogenesis. <i>Developmental Cell</i> , 2009, 16, 70-82.	7.0	326
12	The Link Between Angiogenesis and Endothelial Metabolism. <i>Annual Review of Physiology</i> , 2017, 79, 43-66.	13.1	257
13	FGF-dependent metabolic control of vascular development. <i>Nature</i> , 2017, 545, 224-228.	27.8	256
14	Laminar Shear Stress Inhibits Endothelial Cell Metabolism via KLF2-Mediated Repression of PFKFB3. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2015, 35, 137-145.	2.4	213
15	YAP and TAZ regulate adherens junction dynamics and endothelial cell distribution during vascular development. <i>ELife</i> , 2018, 7, .	6.0	186
16	FOXO-dependent expression of the proapoptotic protein Bim: pivotal role for apoptosis signaling in endothelial progenitor cells. <i>FASEB Journal</i> , 2005, 19, 974-976.	0.5	184
17	Histone deacetylase activity is essential for the expression of <i>HoxA9</i> and for endothelial commitment of progenitor cells. <i>Journal of Experimental Medicine</i> , 2005, 201, 1825-1835.	8.5	161
18	Autocrine VEGF maintains endothelial survival through regulation of metabolism and autophagy. <i>Journal of Cell Science</i> , 2015, 128, 2236-2248.	2.0	156

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19	11,12-Epoxyeicosatrienoic Acid-induced Inhibition of FOXO Factors Promotes Endothelial Proliferation by Down-Regulating p27. <i>Journal of Biological Chemistry</i> , 2003, 278, 29619-29625.	3.4	152
20	HDAC5 is a repressor of angiogenesis and determines the angiogenic gene expression pattern of endothelial cells. <i>Blood</i> , 2009, 113, 5669-5679.	1.4	141
21	FOXOs and Sirtuins in Vascular Growth, Maintenance, and Aging. <i>Circulation Research</i> , 2012, 110, 1238-1251.	4.5	138
22	Cytochrome P450 2C9-induced Endothelial Cell Proliferation Involves Induction of Mitogen-activated Protein (MAP) Kinase Phosphatase-1, Inhibition of the c-Jun N-terminal Kinase, and Up-regulation of Cyclin D1. <i>Journal of Biological Chemistry</i> , 2002, 277, 15671-15676.	3.4	105
23	PIK3CA and CCM mutations fuel cavernomas through a cancer-like mechanism. <i>Nature</i> , 2021, 594, 271-276.	27.8	103
24	Regulation of angiogenesis by PI3K signaling networks. <i>Experimental Cell Research</i> , 2013, 319, 1348-1355.	2.6	94
25	PTEN mediates Notch-dependent stalk cell arrest in angiogenesis. <i>Nature Communications</i> , 2015, 6, 7935.	12.8	86
26	Protein phosphatase 2A controls the activity of histone deacetylase 7 during T cell apoptosis and angiogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 4727-4732.	7.1	73
27	Arterialization requires the timely suppression of cell growth. <i>Nature</i> , 2021, 589, 437-441.	27.8	73
28	Deubiquitinase USP10 regulates Notch signaling in the endothelium. <i>Science</i> , 2019, 364, 188-193.	12.6	70
29	Apelin signaling drives vascular endothelial cells toward a pro-angiogenic state. <i>ELife</i> , 2020, 9, .	6.0	67
30	Regional specialization and fate specification of bone stromal cells in skeletal development. <i>Cell Reports</i> , 2021, 36, 109352.	6.4	59
31	Control of endothelial quiescence by FOXO-regulated metabolites. <i>Nature Cell Biology</i> , 2021, 23, 413-423.	10.3	56
32	Loss of pyruvate kinase M2 limits growth and triggers innate immune signaling in endothelial cells. <i>Nature Communications</i> , 2018, 9, 4077.	12.8	55
33	The Polarity Protein Scrib Is Essential for Directed Endothelial Cell Migration. <i>Circulation Research</i> , 2013, 112, 924-934.	4.5	51
34	SIRT1 is a metabolic sensor that controls blood vessel growth. <i>Current Opinion in Pharmacology</i> , 2010, 10, 139-145.	3.5	43
35	PP2A regulatory subunit B $\beta$ controls endothelial contractility and vessel lumen integrity via regulation of HDAC7. <i>EMBO Journal</i> , 2013, 32, 2491-2503.	7.8	43
36	aPKC controls endothelial growth by modulating c-Myc via FoxO1 DNA-binding ability. <i>Nature Communications</i> , 2018, 9, 5357.	12.8	36

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37	YAP and TAZ protect against white adipocyte cell death during obesity. Nature Communications, 2020, 11, 5455.	12.8	34
38	NO Targets SIRT1. Arteriosclerosis, Thrombosis, and Vascular Biology, 2008, 28, 1577-1579.	2.4	27
39	Post-myocardial infarction heart failure dysregulates the bone vascular niche. Nature Communications, 2021, 12, 3964.	12.8	23
40	Locus-Conserved Circular RNA cZNF292 Controls Endothelial Cell Flow Responses. Circulation Research, 2022, 130, 67-79.	4.5	23
41	Metabolic modulation regulates cardiac wall morphogenesis in zebrafish. ELife, 2019, 8, .	6.0	21
42	A YAP/TAZ-TEAD signalling module links endothelial nutrient acquisition to angiogenic growth. Nature Metabolism, 2022, 4, 672-682.	11.9	20
43	An Energy-Sensor Network Takes Center Stage During Endothelial Aging. Circulation Research, 2010, 106, 1316-1318.	4.5	12
44	Endothelial metabolism is more complex (III) than previously thought. Nature Metabolism, 2019, 1, 14-15.	11.9	6
45	The blood-brain barrier is a metabolic ecosystem. EMBO Journal, 2022, 41, e111189.	7.8	5
46	Hydroxylation of the NOTCH1 intracellular domain regulates Notch signaling dynamics. Cell Death and Disease, 2022, 13, .	6.3	5
47	New Questions to keep blood vessels growing. EMBO Journal, 2017, 36, 2315-2317.	7.8	2
48	Endothelial Cells Don't Waste: Endothelial-Derived Lactate Boosts Muscle Regeneration. Developmental Cell, 2020, 54, 137-139.	7.0	2
49	Top-NOTCH Regulation of Cardiac Metabolism. Circulation, 2018, 137, 2609-2612.	1.6	0