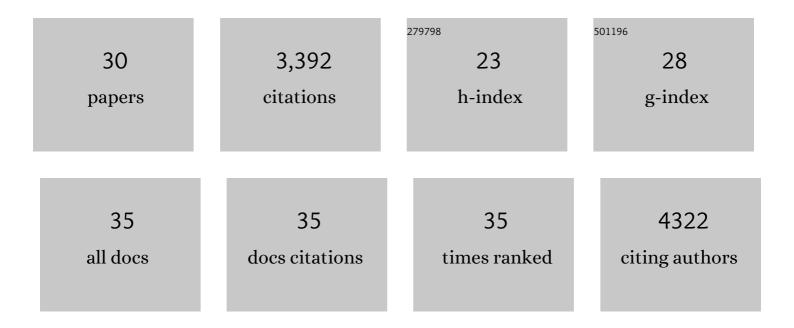
## Katie Bentley

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Engineered patterns of Notch ligands Jag1 and Dll4 elicit differential spatial control of endothelial sprouting. IScience, 2022, 25, 104306.	4.1	10
2	Active perception during angiogenesis: filopodia speed up Notch selection of tip cells <i> in silico <i>and</i> in vivo </i> . Philosophical Transactions of the Royal Society B: Biological Sciences, 2021, 376, 20190753.	4.0	22
3	OpenABM-Covid19—An agent-based model for non-pharmaceutical interventions against COVID-19 including contact tracing. PLoS Computational Biology, 2021, 17, e1009146.	3.2	118
4	Blocking endothelial apoptosis revascularizes the retina in a model of ischemic retinopathy. Journal of Clinical Investigation, 2020, 130, 4235-4251.	8.2	15
5	Mouse retinal cell behaviour in space and time using light sheet fluorescence microscopy. ELife, 2020, 9, .	6.0	30
6	PKM2 regulates endothelial cell junction dynamics and angiogenesis via ATP production. Scientific Reports, 2019, 9, 15022.	3.3	34
7	Positive Feedback Defines the Timing, Magnitude, and Robustness of Angiogenesis. Cell Reports, 2019, 27, 3139-3151.e5.	6.4	27
8	NOTCH1 signaling induces pathological vascular permeability in diabetic retinopathy. Proceedings of the United States of America, 2019, 116, 4538-4547.	7.1	59
9	Defective endothelial cell migration in the absence of Cdc42 leads to capillary-venous malformations. Development (Cambridge), 2018, 145, .	2.5	56
10	The temporal basis of angiogenesis. Philosophical Transactions of the Royal Society B: Biological Sciences, 2017, 372, 20150522.	4.0	74
11	Time to Decide? Dynamical Analysis Predicts Partial Tip/Stalk Patterning States Arise during Angiogenesis. PLoS ONE, 2016, 11, e0166489.	2.5	43
12	VEGFR2 pY949 signalling regulates adherens junction integrity and metastatic spread. Nature Communications, 2016, 7, 11017.	12.8	111
13	Asymmetric division coordinates collective cell migration in angiogenesis. Nature Cell Biology, 2016, 18, 1292-1301.	10.3	110
14	The endothelial adaptor molecule TSAd is required for VEGF-induced angiogenic sprouting through junctional c-Src activation. Science Signaling, 2016, 9, ra72.	3.6	35
15	Glycolytic regulation of cell rearrangement in angiogenesis. Nature Communications, 2016, 7, 12240.	12.8	131
16	Synchronization of endothelial Dll4-Notch dynamics switch blood vessels from branching to expansion. ELife, 2016, 5, .	6.0	115
17	Temporal modulation of collective cell behavior controls vascular network topology. ELife, 2016, 5, .	6.0	20
18	Formin-Mediated Actin Polymerization at Endothelial Junctions Is Required for Vessel Lumen Formation and Stabilization. Developmental Cell, 2015, 32, 123-132.	7.0	87

KATIE BENTLEY

#	Article	IF	CITATIONS
19	The role of differential VE-cadherin dynamics in cell rearrangement during angiogenesis. Nature Cell Biology, 2014, 16, 309-321.	10.3	328
20	Do Endothelial Cells Dream of Eclectic Shape?. Developmental Cell, 2014, 29, 146-158.	7.0	26
21	Predicting the future: Towards symbiotic computational and experimental angiogenesis research. Experimental Cell Research, 2013, 319, 1240-1246.	2.6	27
22	A truncation allele in <i>vascular endothelial growth factor c</i> reveals distinct modes of signaling during lymphatic and vascular development. Development (Cambridge), 2013, 140, 1497-1506.	2.5	98
23	MOSAIC: A Multiscale Model of Osteogenesis and Sprouting Angiogenesis with Lateral Inhibition of Endothelial Cells. PLoS Computational Biology, 2012, 8, e1002724.	3.2	76
24	Acetylation-dependent regulation of endothelial Notch signalling by the SIRT1 deacetylase. Nature, 2011, 473, 234-238.	27.8	350
25	Endothelial cells dynamically compete for the tip cell position during angiogenic sprouting. Nature Cell Biology, 2010, 12, 943-953.	10.3	820
26	Endothelial Tip Cell Guidance and Mechanisms. FASEB Journal, 2010, 24, 9.1.	0.5	0
27	VEGFRs and Notch: a dynamic collaboration in vascular patterning. Biochemical Society Transactions, 2009, 37, 1233-1236.	3.4	140
28	Tipping the Balance: Robustness of Tip Cell Selection, Migration and Fusion in Angiogenesis. PLoS Computational Biology, 2009, 5, e1000549.	3.2	187
29	Agent-based simulation of notch-mediated tip cell selection in angiogenic sprout initialisation. Journal of Theoretical Biology, 2008, 250, 25-36.	1.7	234
30	Can Active Perception Generate Bistability? Heterogeneous Collective Dynamics and Vascular Patterning. , 0, , .		6