

# Joshua P Scallan

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

1,780  
citations

516561

16  
h-index

642610

23  
g-index

31  
all docs

31  
docs citations

31  
times ranked

1715  
citing authors

#	ARTICLE	IF	CITATIONS
1	Lymphatic pumping: mechanics, mechanisms and malfunction. <i>Journal of Physiology</i> , 2016, 594, 5749-5768.	1.3	256
2	The Lymphatic System: Integral Roles in Immunity. <i>Annual Review of Immunology</i> , 2017, 35, 31-52.	9.5	244
3	Lymphatic Vessel Network Structure and Physiology. , 2018, 9, 207-299.		214
4	FOXC2 and fluid shear stress stabilize postnatal lymphatic vasculature. <i>Journal of Clinical Investigation</i> , 2015, 125, 3861-3877.	3.9	186
5	Lymphatic vascular integrity is disrupted in type 2 diabetes due to impaired nitric oxide signalling. <i>Cardiovascular Research</i> , 2015, 107, 89-97.	1.8	111
6	Intrinsic increase in lymphangion muscle contractility in response to elevated afterload. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2012, 303, H795-H808.	1.5	104
7	Genetic removal of basal nitric oxide enhances contractile activity in isolated murine collecting lymphatic vessels. <i>Journal of Physiology</i> , 2013, 591, 2139-2156.	1.3	97
8	VE-Cadherin Is Required for Lymphatic Valve Formation and Maintenance. <i>Cell Reports</i> , 2019, 28, 2397-2412.e4.	2.9	77
9	<i>In vivo</i> determination of collecting lymphatic vessel permeability to albumin: a role for lymphatics in exchange. <i>Journal of Physiology</i> , 2010, 588, 243-254.	1.3	76
10	Independent and interactive effects of preload and afterload on the pump function of the isolated lymphangion. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2012, 303, H809-H824.	1.5	65
11	Differences in L-type Ca <sup>2+</sup> channel activity partially underlie the regional dichotomy in pumping behavior by murine peripheral and visceral lymphatic vessels. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2018, 314, H991-H1010.	1.5	64
12	Constriction of isolated collecting lymphatic vessels in response to acute increases in downstream pressure. <i>Journal of Physiology</i> , 2013, 591, 443-459.	1.3	56
13	Permeability and contractile responses of collecting lymphatic vessels elicited by atrial and brain natriuretic peptides. <i>Journal of Physiology</i> , 2013, 591, 5071-5081.	1.3	40
14	Calcium and electrical dynamics in lymphatic endothelium. <i>Journal of Physiology</i> , 2017, 595, 7347-7368.	1.3	35
15	Foxo1 deletion promotes the growth of new lymphatic valves. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	32
16	Ileitis-associated tertiary lymphoid organs arise at lymphatic valves and impede mesenteric lymph flow in response to tumor necrosis factor. <i>Immunity</i> , 2021, 54, 2795-2811.e9.	6.6	31
17	Lymphatic Valves and Lymph Flow in Cancer-Related Lymphedema. <i>Cancers</i> , 2020, 12, 2297.	1.7	26
18	VE-Cadherin and Vesicles Differentially Regulate Lymphatic Vascular Permeability to Solutes of Various Sizes. <i>Frontiers in Physiology</i> , 2021, 12, 687563.	1.3	17

#	ARTICLE	IF	CITATIONS
19	Ex vivo Demonstration of Functional Deficiencies in Popliteal Lymphatic Vessels From TNF-Transgenic Mice With Inflammatory Arthritis. <i>Frontiers in Physiology</i> , 2021, 12, 745096.	1.3	13
20	Methods for Assessing the Contractile Function of Mouse Lymphatic Vessels Ex Vivo. <i>Methods in Molecular Biology</i> , 2018, 1846, 229-248.	0.4	11
21	VE-cadherin enables trophoblast endovascular invasion and spiral artery remodeling during placental development. <i>ELife</i> , 2022, 11, .	2.8	10
22	Induction of microvascular network growth in the mouse mesentery. <i>Microcirculation</i> , 2018, 25, e12502.	1.0	7
23	Itching for Answers: How Histamine Relaxes Lymphatic Vessels. <i>Microcirculation</i> , 2014, 21, 575-577.	1.0	5
24	Editorial: The Role of the Lymphatic System in Lipid and Energy Metabolism, and Immune Homeostasis During Obesity and Diabetes. <i>Frontiers in Physiology</i> , 2021, 12, 652461.	1.3	3
25	Lymphatic vessels â€œ absorptive sumps or leaky pumps?. , 2010, , 16-18.		0
26	Lymphatic valve lock in response to modest gravitational loads: a contributing mechanism to peripheral lymphedema?. <i>FASEB Journal</i> , 2012, 26, 677.2.	0.2	0
27	The unique and important role of the myogenic response in the lymphatic system. , 2013, , 27-31.		0
28	Depolarization of collecting lymphatic endothelium with acetylcholine or TRPV4 activation. <i>FASEB Journal</i> , 2013, 27, 678.3.	0.2	0
29	Basal nitric oxide production in mouse collecting lymphatics does not enhance contractile activity. <i>FASEB Journal</i> , 2013, 27, 681.9.	0.2	0
30	Induction of Microvascular Network Growth in the Mouse Mesentery. <i>FASEB Journal</i> , 2018, 32, 573.6.	0.2	0