

# David C Zawieja

## List of Publications by Citations

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168  
papers

4,450  
citations

36  
h-index

61  
g-index

189  
ext. papers

5,032  
ext. citations

3.2  
avg, IF

5.61  
L-index

#	Paper	IF	Citations
168	Contractile physiology of lymphatics. <i>Lymphatic Research and Biology</i> , <b>2009</b> , 7, 87-96	2.3	221
167	Inhibition of the active lymph pump by flow in rat mesenteric lymphatics and thoracic duct. <i>Journal of Physiology</i> , <b>2002</b> , 540, 1023-37	3.9	196
166	Lymph flow, shear stress, and lymphocyte velocity in rat mesenteric prenodal lymphatics. <i>Microcirculation</i> , <b>2006</b> , 13, 597-610	2.9	189
165	Inflammation induces lymphangiogenesis through up-regulation of VEGFR-3 mediated by NF-kappaB and Prox1. <i>Blood</i> , <b>2010</b> , 115, 418-29	2.2	154
164	Regional variations of contractile activity in isolated rat lymphatics. <i>Microcirculation</i> , <b>2004</b> , 11, 477-92	2.9	145
163	Contraction-initiated NO-dependent lymphatic relaxation: a self-regulatory mechanism in rat thoracic duct. <i>Journal of Physiology</i> , <b>2006</b> , 575, 821-32	3.9	134
162	Lymphatic smooth muscle: the motor unit of lymph drainage. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2004</b> , 36, 1147-53	5.6	131
161	Molecular and functional analyses of the contractile apparatus in lymphatic muscle. <i>FASEB Journal</i> , <b>2003</b> , 17, 920-2	0.9	117
160	Determinants of valve gating in collecting lymphatic vessels from rat mesentery. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2011</b> , 301, H48-60	5.2	110
159	Molecular regulation of lymphatic contractility. <i>Annals of the New York Academy of Sciences</i> , <b>2008</b> , 1131, 89-99	6.5	91
158	Collecting lymphatic vessel permeability facilitates adipose tissue inflammation and distribution of antigen to lymph node-homing adipose tissue dendritic cells. <i>Journal of Immunology</i> , <b>2015</b> , 194, 5200-10 <sup>5</sup> 3	5.3	84
157	Intrinsic pump-conduit behavior of lymphangions. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2007</b> , 292, R1510-8	3.2	83
156	The effects of inflammatory cytokines on lymphatic endothelial barrier function. <i>Angiogenesis</i> , <b>2014</b> , 17, 395-406	10.6	81
155	Intrinsic increase in lymphangion muscle contractility in response to elevated afterload. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2012</b> , 303, H795-808	5.2	79
154	Aging-related anatomical and biochemical changes in lymphatic collectors impair lymph transport, fluid homeostasis, and pathogen clearance. <i>Aging Cell</i> , <b>2015</b> , 14, 582-94	9.9	74
153	Role of phospholipase C, protein kinase C, and calcium in VEGF-induced venular hyperpermeability. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>1999</b> , 276, H535-42	5.2	73
152	Nitric oxide formation by lymphatic bulb and valves is a major regulatory component of lymphatic pumping. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2011</b> , 301, H1897-906	5.2	70

151	Modeling Lymph Flow and Fluid Exchange with Blood Vessels in Lymph Nodes. <i>Lymphatic Research and Biology</i> , <b>2015</b> , 13, 234-47	2.3	68
150	Modulation of lymphatic muscle contractility by the neuropeptide substance P. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2008</b> , 295, H587-97	5.2	64
149	Roles of phosphorylation of myosin binding protein-C and troponin I in mouse cardiac muscle twitch dynamics. <i>Journal of Physiology</i> , <b>2004</b> , 558, 927-41	3.9	64
148	Hydrodynamic regulation of lymphatic transport and the impact of aging. <i>Pathophysiology</i> , <b>2010</b> , 17, 277-87	1.8	63
147	Impairments in the intrinsic contractility of mesenteric collecting lymphatics in a rat model of metabolic syndrome. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2012</b> , 302, H643-53	5.2	62
146	Lymphatic muscle: a review of contractile function. <i>Lymphatic Research and Biology</i> , <b>2003</b> , 1, 147-58	2.3	62
145	Lymphatic biology and the microcirculation: past, present and future. <i>Microcirculation</i> , <b>2005</b> , 12, 141-50	2.9	60
144	Length-tension relationships of small arteries, veins, and lymphatics from the rat mesenteric microcirculation. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2007</b> , 292, H1943-52	5.2	59
143	Measuring microlymphatic flow using fast video microscopy. <i>Journal of Biomedical Optics</i> , <b>2005</b> , 10, 064016	3.6	53
142	Inhibition of myosin light chain phosphorylation decreases rat mesenteric lymphatic contractile activity. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2009</b> , 297, H726-34	5.2	49
141	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> , <b>2012</b> , 303, H809-24	5.2	48
140	Lymphatic system: a vital link between metabolic syndrome and inflammation. <i>Annals of the New York Academy of Sciences</i> , <b>2010</b> , 1207 Suppl 1, E94-102	6.5	45
139	Engineered biomimetic nanovesicles show intrinsic anti-inflammatory properties for the treatment of inflammatory bowel diseases. <i>Nanoscale</i> , <b>2017</b> , 9, 14581-14591	7.7	41
138	MicroRNA signature of inflamed lymphatic endothelium and role of miR-9 in lymphangiogenesis and inflammation. <i>American Journal of Physiology - Cell Physiology</i> , <b>2015</b> , 309, C680-92	5.4	40
137	Image correlation algorithm for measuring lymphocyte velocity and diameter changes in contracting microlymphatics. <i>Annals of Biomedical Engineering</i> , <b>2007</b> , 35, 387-96	4.7	40
136	Inhibition of active lymph pump by simulated microgravity in rats. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2006</b> , 290, H2295-308	5.2	40
135	Length-dependence of lymphatic phasic contractile activity under isometric and isobaric conditions. <i>Microcirculation</i> , <b>2007</b> , 14, 613-25	2.9	38
134	Lymphatic filariasis: perspectives on lymphatic remodeling and contractile dysfunction in filarial disease pathogenesis. <i>Microcirculation</i> , <b>2013</b> , 20, 349-64	2.9	37

133	Inflammatory Bowel Disease in a Rodent Model Alters Osteocyte Protein Levels Controlling Bone Turnover. <i>Journal of Bone and Mineral Research</i> , <b>2017</b> , 32, 802-813	6.3	36
132	Effects of substance P on mesenteric lymphatic contractility in the rat. <i>Lymphatic Research and Biology</i> , <b>2004</b> , 2, 2-10	2.3	36
131	Reduced mitochondrial buffering of voltage-gated calcium influx in aged rat basal forebrain neurons. <i>Cell Calcium</i> , <b>2004</b> , 36, 61-75	4	36
130	Inflammation-induced lymphatic architecture and bone turnover changes are ameliorated by irisin treatment in chronic inflammatory bowel disease. <i>FASEB Journal</i> , <b>2018</b> , 32, 4848-4861	0.9	35
129	Calcium sensitivity and cooperativity of permeabilized rat mesenteric lymphatics. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2008</b> , 294, R1524-32	3.2	35
128	Effects of dynamic shear and transmural pressure on wall shear stress sensitivity in collecting lymphatic vessels. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2015</b> , 309, R1122-34	3.2	35
127	Oxidized low-density lipoprotein inhibits nitric oxide-mediated coronary arteriolar dilation by up-regulating endothelial arginase I. <i>Microcirculation</i> , <b>2011</b> , 18, 36-45	2.9	34
126	Electrophysiological properties of rat mesenteric lymphatic vessels and their regulation by stretch. <i>Lymphatic Research and Biology</i> , <b>2014</b> , 12, 66-75	2.3	33
125	Lipopolysaccharide modulates neutrophil recruitment and macrophage polarization on lymphatic vessels and impairs lymphatic function in rat mesentery. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2015</b> , 309, H2042-57	5.2	32
124	Substance P activates both contractile and inflammatory pathways in lymphatics through the neurokinin receptors NK1R and NK3R. <i>Microcirculation</i> , <b>2011</b> , 18, 24-35	2.9	32
123	Methods for lymphatic vessel culture and gene transfection. <i>Microcirculation</i> , <b>2009</b> , 16, 615-28	2.9	32
122	Cyclic guanosine monophosphate and the dependent protein kinase regulate lymphatic contractility in rat thoracic duct. <i>Journal of Physiology</i> , <b>2013</b> , 591, 4549-65	3.9	31
121	Signaling pathways mediating VEGF165-induced calcium transients and membrane depolarization in human endothelial cells. <i>FASEB Journal</i> , <b>2006</b> , 20, 991-3	0.9	31
120	Hyperglycemia impairs cytotrophoblast function via stress signaling. <i>American Journal of Obstetrics and Gynecology</i> , <b>2014</b> , 211, 541.e1-8	6.4	30
119	Passive pressure-diameter relationship and structural composition of rat mesenteric lymphangions. <i>Lymphatic Research and Biology</i> , <b>2012</b> , 10, 152-63	2.3	30
118	Automated measurement of diameter and contraction waves of cannulated lymphatic microvessels. <i>Lymphatic Research and Biology</i> , <b>2006</b> , 4, 3-10	2.3	29
117	Thermal effects of MR imaging: worst-case studies on sheep. <i>American Journal of Roentgenology</i> , <b>1990</b> , 155, 1105-10	5.4	29
116	Stromal interaction molecule 1 (STIM1) and Orai1 mediate histamine-evoked calcium entry and nuclear factor of activated T-cells (NFAT) signaling in human umbilical vein endothelial cells. <i>Journal of Biological Chemistry</i> , <b>2014</b> , 289, 29446-56	5.4	28

115	Lymph transport in rat mesenteric lymphatics experiencing edemagenic stress. <i>Microcirculation</i> , <b>2014</b> , 21, 359-67	2.9	28
114	Development and characterization of endothelial cells from rat microlymphatics. <i>Lymphatic Research and Biology</i> , <b>2003</b> , 1, 101-19	2.3	28
113	Network Scale Modeling of Lymph Transport and Its Effective Pumping Parameters. <i>PLoS ONE</i> , <b>2016</b> , 11, e0148384	3.7	28
112	Colonic Insult Impairs Lymph Flow, Increases Cellular Content of the Lymph, Alters Local Lymphatic Microenvironment, and Leads to Sustained Inflammation in the Rat Ileum. <i>Inflammatory Bowel Diseases</i> , <b>2015</b> , 21, 1553-63	4.5	27
111	Differential effects of myosin light chain kinase inhibition on contractility, force development and myosin light chain 20 phosphorylation of rat cervical and thoracic duct lymphatics. <i>Journal of Physiology</i> , <b>2011</b> , 589, 5415-29	3.9	26
110	Regional heterogeneity of length-tension relationships in rat lymph vessels. <i>Lymphatic Research and Biology</i> , <b>2012</b> , 10, 14-9	2.3	26
109	IL-1 $\beta$ reduces tonic contraction of mesenteric lymphatic muscle cells, with the involvement of cyclooxygenase-2 and prostaglandin E2. <i>British Journal of Pharmacology</i> , <b>2015</b> , 172, 4038-51	8.6	25
108	Apoptotic and stress signaling markers are augmented in preeclamptic placenta and umbilical cord. <i>BBA Clinical</i> , <b>2016</b> , 6, 25-30		24
107	Demonstration and Analysis of the Suction Effect for Pumping Lymph from Tissue Beds at Subatmospheric Pressure. <i>Scientific Reports</i> , <b>2017</b> , 7, 12080	4.9	23
106	Lymphatic microcirculation. <i>Microcirculation</i> , <b>1996</b> , 3, 241-3	2.9	23
105	Mast cells and histamine are triggering the NF- $\kappa$ B-mediated reactions of adult and aged perilymphatic mesenteric tissues to acute inflammation. <i>Aging</i> , <b>2016</b> , 8, 3065-3090	5.6	23
104	Pathogenesis of pre-eclampsia: marinobufagenin and angiogenic imbalance as biomarkers of the syndrome. <i>Translational Research</i> , <b>2012</b> , 160, 99-113	11	22
103	Confocal image-based computational modeling of nitric oxide transport in a rat mesenteric lymphatic vessel. <i>Journal of Biomechanical Engineering</i> , <b>2013</b> , 135, 51005	2.1	22
102	Protein transfection of intact microvessels specifically modulates vasoreactivity and permeability. <i>Journal of Vascular Research</i> , <b>2001</b> , 38, 444-52	1.9	22
101	Determining the combined effect of the lymphatic valve leaflets and sinus on resistance to forward flow. <i>Journal of Biomechanics</i> , <b>2015</b> , 48, 3584-90	2.9	21
100	Molecular profile and proliferative responses of rat lymphatic endothelial cells in culture. <i>Lymphatic Research and Biology</i> , <b>2006</b> , 4, 119-42	2.3	21
99	Quantitative Profiling of the Lymph Node Clearance Capacity. <i>Scientific Reports</i> , <b>2018</b> , 8, 11253	4.9	20
98	A Novel Computational Model Predicts Key Regulators of Chemokine Gradient Formation in Lymph Nodes and Site-Specific Roles for CCL19 and ACKR4. <i>Journal of Immunology</i> , <b>2017</b> , 199, 2291-2304	5.3	20

97	Characterization of mouse ocular response to a 35-day spaceflight mission: Evidence of blood-retinal barrier disruption and ocular adaptations. <i>Scientific Reports</i> , <b>2019</b> , 9, 8215	4.9	19
96	PKC activation increases Ca <sup>2+</sup> sensitivity of permeabilized lymphatic muscle via myosin light chain 20 phosphorylation-dependent and -independent mechanisms. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2014</b> , 306, H674-83	5.2	19
95	Diminished mesenteric vaso- and venoconstriction and elevated plasma ANP and BNP with simulated microgravity. <i>Journal of Applied Physiology</i> , <b>2008</b> , 104, 1273-80	3.7	19
94	Microarray analysis of VEGF-C responsive genes in human lymphatic endothelial cells. <i>Lymphatic Research and Biology</i> , <b>2005</b> , 3, 183-207	2.3	18
93	Modulation of the Tryptophan Hydroxylase 1/Monoamine Oxidase-A/5-Hydroxytryptamine/5-Hydroxytryptamine Receptor 2A/2B/2C Axis Regulates Biliary Proliferation and Liver Fibrosis During Cholestasis. <i>Hepatology</i> , <b>2020</b> , 71, 990-1008	11.2	18
92	Blunted flow-mediated responses and diminished nitric oxide synthase expression in lymphatic thoracic ducts of a rat model of metabolic syndrome. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2016</b> , 310, H385-93	5.2	17
91	Macrophage alterations within the mesenteric lymphatic tissue are associated with impairment of lymphatic pump in metabolic syndrome. <i>Microcirculation</i> , <b>2016</b> , 23, 558-570	2.9	17
90	DSS-induced colitis produces inflammation-induced bone loss while irisin treatment mitigates the inflammatory state in both gut and bone. <i>Scientific Reports</i> , <b>2019</b> , 9, 15144	4.9	16
89	An immunological fingerprint differentiates muscular lymphatics from arteries and veins. <i>Lymphatic Research and Biology</i> , <b>2013</b> , 11, 155-71	2.3	16
88	Maximum shortening velocity of lymphatic muscle approaches that of striated muscle. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2013</b> , 305, H1494-507	5.2	15
87	Measuring contraction propagation and localizing pacemaker cells using high speed video microscopy. <i>Journal of Biomedical Optics</i> , <b>2011</b> , 16, 026016	3.5	14
86	Characteristics of the active lymph pump in bovine prenodal mesenteric lymphatics. <i>Lymphatic Research and Biology</i> , <b>2007</b> , 5, 71-9	2.3	14
85	Microparticle image velocimetry approach to flow measurements in isolated contracting lymphatic vessels. <i>Journal of Biomedical Optics</i> , <b>2016</b> , 21, 25002	3.5	13
84	Pinealectomy or light exposure exacerbates biliary damage and liver fibrosis in cholestatic rats through decreased melatonin synthesis. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>2019</b> , 1865, 1525-1539	6.9	11
83	Physiology and pathobiology of the microcirculation. <i>American Journal of Otolaryngology - Head and Neck Medicine and Surgery</i> , <b>1988</b> , 9, 264-77	2.8	11
82	A moderately elevated soy protein diet mitigates inflammatory changes in gut and in bone turnover during chronic TNBS-induced inflammatory bowel disease. <i>Applied Physiology, Nutrition and Metabolism</i> , <b>2019</b> , 44, 595-605	3	11
81	IL-1 $\beta$ reduces cardiac lymphatic muscle contraction via COX-2 and PGE induction: Potential role in myocarditis. <i>Biomedicine and Pharmacotherapy</i> , <b>2018</b> , 107, 1591-1600	7.5	11
80	Lymphatic Cannulation for Lymph Sampling and Molecular Delivery. <i>Journal of Immunology</i> , <b>2019</b> , 203, 2339-2350	5.3	10



79	Suppression of aldosterone and progesterone in preeclampsia. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , <b>2015</b> , 28, 1296-1301	2	10
78	An automated method to control preload by compensation for stress relaxation in spontaneously contracting, isometric rat mesenteric lymphatics. <i>Microcirculation</i> , <b>2007</b> , 14, 603-12	2.9	10
77	Prolonged intake of desloratadine: mesenteric lymphatic vessel dysfunction and development of obesity/metabolic syndrome. <i>American Journal of Physiology - Renal Physiology</i> , <b>2019</b> , 316, G217-G227	5.1	10
76	Inhibition of the active lymph pump by flow in rat mesenteric lymphatics and thoracic duct <b>2002</b> , 540, 1023		9
75	<i>Borrelia burgdorferi</i> adhere to blood vessels in the dura mater and are associated with increased meningeal T cells during murine disseminated borreliosis. <i>PLoS ONE</i> , <b>2018</b> , 13, e0196893	3.7	9
74	Attenuation of hyperglycemia-induced apoptotic signaling and anti-angiogenic milieu in cultured cytotrophoblast cells. <i>Hypertension in Pregnancy</i> , <b>2016</b> , 35, 159-69	2	8
73	Hypoxia and extracellular matrix proteins influence angiogenesis and lymphangiogenesis in mouse embryoid bodies. <i>Frontiers in Physiology</i> , <b>2011</b> , 2, 103	4.6	8
72	Charged residue alterations in the inner-core domain and carboxy-terminus of alpha-tropomyosin differentially affect mouse cardiac muscle contractility. <i>Journal of Physiology</i> , <b>2004</b> , 561, 777-91	3.9	8
71	Effect of the non-peptide blocker (+/-) CP 96,345 on the cellular mechanism involved in the response to NK1 receptor stimulation in human skin fibroblasts. <i>Neuropeptides</i> , <b>1996</b> , 30, 345-54	3.3	8
70	Histamine-mediated autocrine signaling in mesenteric perilymphatic mast cells. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2020</b> , 318, R590-R604	3.2	8
69	The isolation and characterization of a new snake venom cysteine-rich secretory protein (svCRISP) from the venom of the Southern Pacific rattlesnake and its effect on vascular permeability. <i>Toxicon</i> , <b>2019</b> , 165, 22-30	2.8	7
68	Changes in end-to-end interactions of tropomyosin affect mouse cardiac muscle dynamics. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2006</b> , 291, H552-63	5.2	7
67	Impairment of lymphatic endothelial barrier function by X-ray irradiation. <i>International Journal of Radiation Biology</i> , <b>2019</b> , 95, 562-570	2.9	6
66	Venomotion modulates lymphatic pumping in the bat wing. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2009</b> , 296, H2015-21	5.2	6
65	Analysis of picogram quantities of protein in subnanoliter-size samples. <i>Analytical Biochemistry</i> , <b>1984</b> , 142, 182-8	3.1	6
64	3,4,7-O-trimethylquercetin Inhibits Invasion and Migration of Ovarian Cancer Cells. <i>Anticancer Research</i> , <b>2017</b> , 37, 2823-2829	2.3	6
63	Cinobufotalin impedes Sw.71 cytotrophoblast cell line function via cell cycle arrest and apoptotic signaling. <i>Molecular and Cellular Biochemistry</i> , <b>2016</b> , 422, 189-196	4.2	6
62	Microlymphatic Biology <b>2008</b> , 125-158		5

61	Differential Mechanism of Action of 3,4,7-O-trimethylquercetin in Three Types of Ovarian Cancer Cells. <i>Anticancer Research</i> , <b>2018</b> , 38, 5131-5137	2.3	5
60	Microlymphatic Biology <b>2008</b> , 125-158		4
59	Relationship between cardiac protein tyrosine phosphorylation and myofibrillogenesis during axolotl heart development. <i>Tissue and Cell</i> , <b>2003</b> , 35, 133-42	2.7	4
58	Lymphangion-chip: a microphysiological system which supports co-culture and bidirectional signaling of lymphatic endothelial and muscle cells. <i>Lab on A Chip</i> , <b>2021</b> ,	7.2	4
57	Ca release-activated Ca channels are responsible for histamine-induced Ca entry, permeability increase, and interleukin synthesis in lymphatic endothelial cells. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2020</b> , 318, H1283-H1295	5.2	4
56	Targeting Lymphangiogenesis and Lymph Node Metastasis in Liver Cancer. <i>American Journal of Pathology</i> , <b>2021</b> , 191, 2052-2063	5.8	4
55	Integrated geometric and mechanical analysis of an image-based lymphatic valve. <i>Journal of Biomechanics</i> , <b>2017</b> , 64, 172-179	2.9	3
54	Pulmonary air embolization inhibits lung lymph flow by increasing lymphatic outflow pressure. <i>Lymphatic Research and Biology</i> , <b>2006</b> , 4, 18-22	2.3	3
53	RATE-SENSITIVE CONTRACTILE RESPONSES OF RAT MESENTERIC LYMPHATICS TO CIRCUMFERENTIAL STRETCH. <i>FASEB Journal</i> , <b>2007</b> , 21, A485	0.9	3
52	Hyperglycemia down-regulates cGMP-dependent protein kinase I expression in first trimester cytotrophoblast cells. <i>Molecular and Cellular Biochemistry</i> , <b>2015</b> , 405, 81-8	4.2	2
51	Burn Injury-Associated MHCII Immune Cell Accumulation Around Lymphatic Vessels of the Mesentery and Increased Lymphatic Endothelial Permeability Are Blocked by Doxycycline Treatment. <i>Lymphatic Research and Biology</i> , <b>2018</b> , 16, 56-64	2.3	2
50	Temporal Dynamics of the Rat Thoracic Duct Contractility in the Presence of Imposed Flow. <i>Lymphatic Research and Biology</i> , <b>2017</b> , 15, 324-330	2.3	2
49	Multiple Ionic Mechanisms Activated by Bradykinin in Coronary Venular Endothelial Cells. <i>Endothelium: Journal of Endothelial Cell Research</i> , <b>1996</b> , 4, 29-40		2
48	Inhibition of the active lymph pump by flow in rat mesenteric lymphatics and thoracic duct <b>2002</b> , 540, 1023		2
47	Cinobufotalin as a Novel Agent to Inhibit &in Vitro& Epithelial Ovarian Cancer Cell Proliferation, Migration and Invasion. <i>Open Journal of Obstetrics and Gynecology</i> , <b>2016</b> , 06, 343-351	0.1	2
46	Adenovirus-mediated gene transfection in the isolated lymphatic vessels. <i>Methods in Molecular Biology</i> , <b>2012</b> , 843, 199-204	1.4	2
45	Imposed flow-dependent inhibition in rat thoracic duct is not dependent from on K channel blockade. <i>FASEB Journal</i> , <b>2007</b> , 21, A485	0.9	2
44	LPS mediated decreases in immune cells recruitment on or near lymphatics impairs lymphatic contractility. <i>FASEB Journal</i> , <b>2013</b> , 27, 681.5	0.9	2



43	Inflammatory state of lymphatic vessels and miRNA profiles associated with relapse in ovarian cancer patients. <i>PLoS ONE</i> , <b>2020</b> , 15, e0230092	3.7	2
42	The Role of Lymphatics in Cholestasis: A Comprehensive Review. <i>Seminars in Liver Disease</i> , <b>2020</b> , 40, 403-410	3.7	2
41	Differential Effects of Treatment with Cinobufotalin on Three Types of Ovarian Cancer Cells. <i>Anticancer Research</i> , <b>2018</b> , 38, 5717-5724	2.3	2
40	Microlymphatic flow using fast video microscopy <b>2005</b> ,		1
39	Construction of an optical bench microscope for intravital studies. <i>Microvascular Research</i> , <b>1987</b> , 33, 433-437	3.7	1
38	PRESSURE-VOLUME RELATIONSHIPS OF RAT MESENTERIC LYMPHATIC VESSELS IN RESPONSE TO CONTROLLED PRELOAD AND AFTERLOAD STEPS. <i>FASEB Journal</i> , <b>2007</b> , 21, A485	0.9	1
37	Altered rodent gait characteristics after ~35 days in orbit aboard the International Space Station. <i>Life Sciences in Space Research</i> , <b>2020</b> , 24, 9-17	2.4	1
36	Cardiotonic steroids affect monolayer permeability in lymphatic endothelial cells. <i>Molecular and Cellular Biochemistry</i> , <b>2021</b> , 476, 3207-3213	4.2	1
35	Dichotomous effects on lymphatic transport with loss of caveolae in mice. <i>Acta Physiologica</i> , <b>2021</b> , 232, e13656	5.6	1
34	Isolation of Lymphatic Muscle Cells (LMCs ) from Rat Mesentery. <i>Methods in Molecular Biology</i> , <b>2021</b> , 2319, 137-141	1.4	1
33	A multiscale sliding filament model of lymphatic muscle pumping. <i>Biomechanics and Modeling in Mechanobiology</i> , <b>2021</b> , 20, 2179-2202	3.8	1
32	Low density lipoprotein modulates rat mesenteric lymphatic pumping. <i>FASEB Journal</i> , <b>2009</b> , 23, 764.1	0.9	0
31	Analysis of Lymphatic Vessel Formation by Whole-Mount Immunofluorescence Staining. <i>Methods in Molecular Biology</i> , <b>2021</b> , 2319, 153-159	1.4	0
30	783 UPREGULATION OF (PRO)RENIN AND ITS RECEPTOR IN PREECLAMPSIA. <i>Journal of Hypertension</i> , <b>2012</b> , 30, e226	1.9	
29	994 MARINOBUFAGENIN CAUSES CEREBRAL VASCULAR LEAK SYNDROME IN PREECLAMPSIA. <i>Journal of Hypertension</i> , <b>2012</b> , 30, e288	1.9	
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