

David C Zawieja

List of Publications by Year in descending order

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185
papers

5,610
citations

81839

39
h-index

95218

68
g-index

189
all docs

189
docs citations

189
times ranked

4194
citing authors

#	ARTICLE	IF	CITATIONS
1	Contractile Physiology of Lymphatics. <i>Lymphatic Research and Biology</i> , 2009, 7, 87-96.	0.5	275
2	Inhibition of the active lymph pump by flow in rat mesenteric lymphatics and thoracic duct. <i>Journal of Physiology</i> , 2002, 540, 1023-1037.	1.3	241
3	Lymph Flow, Shear Stress, and Lymphocyte Velocity in Rat Mesenteric Prenodal Lymphatics. <i>Microcirculation</i> , 2006, 13, 597-610.	1.0	224
4	Inflammation induces lymphangiogenesis through up-regulation of VEGFR-3 mediated by NF- κ B and Prox1. <i>Blood</i> , 2010, 115, 418-429.	0.6	177
5	Regional Variations of Contractile Activity in Isolated Rat Lymphatics. <i>Microcirculation</i> , 2004, 11, 477-492.	1.0	170
6	Lymphatic smooth muscle: the motor unit of lymph drainage. <i>International Journal of Biochemistry and Cell Biology</i> , 2004, 36, 1147-1153.	1.2	163
7	Contraction-initiated NO-dependent lymphatic relaxation: a self-regulatory mechanism in rat thoracic duct. <i>Journal of Physiology</i> , 2006, 575, 821-832.	1.3	154
8	Molecular and functional analyses of the contractile apparatus in lymphatic muscle. <i>FASEB Journal</i> , 2003, 17, 1-25.	0.2	147
9	Determinants of valve gating in collecting lymphatic vessels from rat mesentery. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2011, 301, H48-H60.	1.5	137
10	Molecular Regulation of Lymphatic Contractility. <i>Annals of the New York Academy of Sciences</i> , 2008, 1131, 89-99.	1.8	109
11	Aging-related anatomical and biochemical changes in lymphatic collectors impair lymph transport, fluid homeostasis, and pathogen clearance. <i>Aging Cell</i> , 2015, 14, 582-594.	3.0	106
12	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
13	The effects of inflammatory cytokines on lymphatic endothelial barrier function. <i>Angiogenesis</i> , 2014, 17, 395-406.	3.7	104
14	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> , 2015, 194, 5200-5210.	0.4	102
15	Role of phospholipase C, protein kinase C, and calcium in VEGF-induced venular hyperpermeability. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 1999, 276, H535-H542.	1.5	100
16	Intrinsic pump-conduit behavior of lymphangions. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2007, 292, R1510-R1518.	0.9	98
17	Modeling Lymph Flow and Fluid Exchange with Blood Vessels in Lymph Nodes. <i>Lymphatic Research and Biology</i> , 2015, 13, 234-247.	0.5	90
18	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> , 2011, 301, H1897-H1906.	1.5	85

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19	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> , 2012, 302, H643-H653.	1.5	78
20	Roles of phosphorylation of myosin binding protein-C and troponin I in mouse cardiac muscle twitch dynamics. <i>Journal of Physiology</i> , 2004, 558, 927-941.	1.3	76
21	Modulation of lymphatic muscle contractility by the neuropeptide substance P. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008, 295, H587-H597.	1.5	75
22	Hydrodynamic regulation of lymphatic transport and the impact of aging. <i>Pathophysiology</i> , 2010, 17, 277-287.	1.0	75
23	Lymphatic Biology and the Microcirculation: Past, Present and Future. <i>Microcirculation</i> , 2005, 12, 141-150.	1.0	71
24	Lymphatic Muscle: A Review of Contractile Function. <i>Lymphatic Research and Biology</i> , 2003, 1, 147-158.	0.5	68
25	Length-tension relationships of small arteries, veins, and lymphatics from the rat mesenteric microcirculation. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007, 292, H1943-H1952.	1.5	68
26	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
27	Measuring microlymphatic flow using fast video microscopy. <i>Journal of Biomedical Optics</i> , 2005, 10, 064016.	1.4	64
28	Inhibition of myosin light chain phosphorylation decreases rat mesenteric lymphatic contractile activity. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2009, 297, H726-H734.	1.5	61
29	Lymphatic system: a vital link between metabolic syndrome and inflammation. <i>Annals of the New York Academy of Sciences</i> , 2010, 1207, E94-102.	1.8	59
30	Lymphatic Filariasis: Perspectives on Lymphatic Remodeling and Contractile Dysfunction in Filarial Disease Pathogenesis. <i>Microcirculation</i> , 2013, 20, 349-364.	1.0	58
31	Engineered biomimetic nanovesicles show intrinsic anti-inflammatory properties for the treatment of inflammatory bowel diseases. <i>Nanoscale</i> , 2017, 9, 14581-14591.	2.8	57
32	MicroRNA signature of inflamed lymphatic endothelium and role of miR-9 in lymphangiogenesis and inflammation. <i>American Journal of Physiology - Cell Physiology</i> , 2015, 309, C680-C692.	2.1	53
33	Inflammation-induced lymphatic architecture and bone turnover changes are ameliorated by irisin treatment in chronic inflammatory bowel disease. <i>FASEB Journal</i> , 2018, 32, 4848-4861.	0.2	52
34	Inflammatory Bowel Disease in a Rodent Model Alters Osteocyte Protein Levels Controlling Bone Turnover. <i>Journal of Bone and Mineral Research</i> , 2017, 32, 802-813.	3.1	50
35	Inhibition of active lymph pump by simulated microgravity in rats. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2006, 290, H2295-H2308.	1.5	48
36	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> , 2015, 309, R1122-R1134.	0.9	48

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37	Image Correlation Algorithm for Measuring Lymphocyte Velocity and Diameter Changes in Contracting Microlymphatics. <i>Annals of Biomedical Engineering</i> , 2007, 35, 387-396.	1.3	46
38	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> , 2015, 309, H2042-H2057.	1.5	46
39	Reduced mitochondrial buffering of voltage-gated calcium influx in aged rat basal forebrain neurons. <i>Cell Calcium</i> , 2004, 36, 61-75.	1.1	43
40	Demonstration and Analysis of the Suction Effect for Pumping Lymph from Tissue Beds at Subatmospheric Pressure. <i>Scientific Reports</i> , 2017, 7, 12080.	1.6	41
41	Cyclic guanosine monophosphate and the dependent protein kinase regulate lymphatic contractility in rat thoracic duct. <i>Journal of Physiology</i> , 2013, 591, 4549-4565.	1.3	40
42	Electrophysiological Properties of Rat Mesenteric Lymphatic Vessels and their Regulation by Stretch. <i>Lymphatic Research and Biology</i> , 2014, 12, 66-75.	0.5	40
43	Length-Dependence of Lymphatic Phasic Contractile Activity Under Isometric and Isobaric Conditions. <i>Microcirculation</i> , 2007, 14, 613-625.	1.0	39
44	Calcium sensitivity and cooperativity of permeabilized rat mesenteric lymphatics. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2008, 294, R1524-R1532.	0.9	39
45	Effects of Substance P on Mesenteric Lymphatic Contractility in the Rat. <i>Lymphatic Research and Biology</i> , 2004, 2, 2-10.	0.5	38
46	Oxidized Low-Density Lipoprotein Inhibits Nitric Oxide-Mediated Coronary Arteriolar Dilatation by Up-regulating Endothelial Arginase I. <i>Microcirculation</i> , 2011, 18, 36-45.	1.0	38
47	Lymph Transport in Rat Mesenteric Lymphatics Experiencing Edemagenic Stress. <i>Microcirculation</i> , 2014, 21, 359-367.	1.0	38
48	Network Scale Modeling of Lymph Transport and Its Effective Pumping Parameters. <i>PLoS ONE</i> , 2016, 11, e0148384.	1.1	38
49	Substance P Activates Both Contractile and Inflammatory Pathways in Lymphatics Through the Neurokinin Receptors NK1R and NK3R. <i>Microcirculation</i> , 2011, 18, 24-35.	1.0	35
50	Hyperglycemia impairs cytotrophoblast function via stress signaling. <i>American Journal of Obstetrics and Gynecology</i> , 2014, 211, 541.e1-541.e8.	0.7	35
51	Quantitative Profiling of the Lymph Node Clearance Capacity. <i>Scientific Reports</i> , 2018, 8, 11253.	1.6	35
52	Thermal effects of MR imaging: worst-case studies on sheep.. <i>American Journal of Roentgenology</i> , 1990, 155, 1105-1110.	1.0	34
53	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> , 2011, 589, 5415-5429.	1.3	34
54	Signaling pathways mediating VEGF 165 induced calcium transients and membrane depolarization in human endothelial cells. <i>FASEB Journal</i> , 2006, 20, 991-993.	0.2	33

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55	Methods for Lymphatic Vessel Culture and Gene Transfection. <i>Microcirculation</i> , 2009, 16, 615-628.	1.0	33
56	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> , 2014, 289, 29446-29456.	1.6	33
57	Macrophage alterations within the mesenteric lymphatic tissue are associated with impairment of lymphatic pump in metabolic syndrome. <i>Microcirculation</i> , 2016, 23, 558-570.	1.0	33
58	Development and Characterization of Endothelial Cells from Rat Microlymphatics. <i>Lymphatic Research and Biology</i> , 2003, 1, 101-119.	0.5	32
59	Automated Measurement of Diameter and Contraction Waves of Cannulated Lymphatic Microvessels. <i>Lymphatic Research and Biology</i> , 2006, 4, 3-10.	0.5	32
60	Passive Pressure-Diameter Relationship and Structural Composition of Rat Mesenteric Lymphangions. <i>Lymphatic Research and Biology</i> , 2012, 10, 152-163.	0.5	32
61	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> , 2015, 21, 1553-1563.	0.9	32
62	Mast cells and histamine are triggering the NF- κ B-mediated reactions of adult and aged perilymphatic mesenteric tissues to acute inflammation. <i>Aging</i> , 2016, 8, 3065-3090.	1.4	31
63	Characterization of mouse ocular response to a 35-day spaceflight mission: Evidence of blood-retinal barrier disruption and ocular adaptations. <i>Scientific Reports</i> , 2019, 9, 8215.	1.6	30
64	Apoptotic and stress signaling markers are augmented in preeclamptic placenta and umbilical cord. <i>BBA Clinical</i> , 2016, 6, 25-30.	4.1	29
65	DSS-induced colitis produces inflammation-induced bone loss while irisin treatment mitigates the inflammatory state in both gut and bone. <i>Scientific Reports</i> , 2019, 9, 15144.	1.6	29
66	Regional Heterogeneity of Length-Tension Relationships in Rat Lymph Vessels. <i>Lymphatic Research and Biology</i> , 2012, 10, 14-19.	0.5	28
67	Determining the combined effect of the lymphatic valve leaflets and sinus on resistance to forward flow. <i>Journal of Biomechanics</i> , 2015, 48, 3584-3590.	0.9	28
68	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> , 2017, 199, 2291-2304.	0.4	28
69	Pathogenesis of pre-eclampsia: marinobufagenin and angiogenic imbalance as biomarkers of the syndrome. <i>Translational Research</i> , 2012, 160, 99-113.	2.2	27
70	IL-1 β reduces tonic contraction of mesenteric lymphatic muscle cells, with the involvement of cyclooxygenase-2 and prostaglandin E_2 . <i>British Journal of Pharmacology</i> , 2015, 172, 4038-4051.	2.7	27
71	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> , 2016, 310, H385-H393.	1.5	27
72	Confocal Image-Based Computational Modeling of Nitric Oxide Transport in a Rat Mesenteric Lymphatic Vessel. <i>Journal of Biomechanical Engineering</i> , 2013, 135, 51005.	0.6	26

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73	PKC activation increases Ca ²⁺ 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> , 2014, 306, H674-H683.	1.5	26
74	Lymphatic Microcirculation. <i>Microcirculation</i> , 1996, 3, 241-243.	1.0	23
75	Protein Transfection of Intact Microvessels Specifically Modulates Vasoreactivity and Permeability. <i>Journal of Vascular Research</i> , 2001, 38, 444-452.	0.6	23
76	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> , 2020, 71, 990-1008.	3.6	23
77	Molecular Profile and Proliferative Responses of Rat Lymphatic Endothelial Cells in Culture. <i>Lymphatic Research and Biology</i> , 2006, 4, 119-142.	0.5	22
78	Maximum shortening velocity of lymphatic muscle approaches that of striated muscle. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2013, 305, H1494-H1507.	1.5	22
79	Targeting Lymphangiogenesis and Lymph Node Metastasis in Liver Cancer. <i>American Journal of Pathology</i> , 2021, 191, 2052-2063.	1.9	22
80	Diminished mesenteric vaso- and venoconstriction and elevated plasma ANP and BNP with simulated microgravity. <i>Journal of Applied Physiology</i> , 2008, 104, 1273-1280.	1.2	21
81	IL-1 β reduces cardiac lymphatic muscle contraction via COX-2 and PGE2 induction: Potential role in myocarditis. <i>Biomedicine and Pharmacotherapy</i> , 2018, 107, 1591-1600.	2.5	21
82	Measuring contraction propagation and localizing pacemaker cells using high speed video microscopy. <i>Journal of Biomedical Optics</i> , 2011, 16, 1.	1.4	20
83	An Immunological Fingerprint Differentiates Muscular Lymphatics from Arteries and Veins. <i>Lymphatic Research and Biology</i> , 2013, 11, 155-171.	0.5	20
84	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> , 2019, 165, 22-30.	0.8	19
85	Microarray Analysis of VEGF-C Responsive Genes in Human Lymphatic Endothelial Cells. <i>Lymphatic Research and Biology</i> , 2005, 3, 183-207.	0.5	18
86	Lymphatic Cannulation for Lymph Sampling and Molecular Delivery. <i>Journal of Immunology</i> , 2019, 203, 2339-2350.	0.4	18
87	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> , 2019, 1865, 1525-1539.	1.8	18
88	Prolonged intake of desloratadine: mesenteric lymphatic vessel dysfunction and development of obesity/metabolic syndrome. <i>American Journal of Physiology - Renal Physiology</i> , 2019, 316, G217-G227.	1.6	18
89	<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> , 2018, 13, e0196893.	1.1	16
90	Microparticle image velocimetry approach to flow measurements in isolated contracting lymphatic vessels. <i>Journal of Biomedical Optics</i> , 2016, 21, 1.	1.4	15

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91	Characteristics of the Active Lymph Pump in Bovine Prenodal Mesenteric Lymphatics. <i>Lymphatic Research and Biology</i> , 2007, 5, 71-80.	0.5	14
92	Histamine-mediated autocrine signaling in mesenteric perilymphatic mast cells. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2020, 318, R590-R604.	0.9	14
93	Suppression of aldosterone and progesterone in preeclampsia. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2015, 28, 1296-1301.	0.7	13
94	Impairment of lymphatic endothelial barrier function by X-ray irradiation. <i>International Journal of Radiation Biology</i> , 2019, 95, 562-570.	1.0	13
95	Lymphangion-chip: a microphysiological system which supports co-culture and bidirectional signaling of lymphatic endothelial and muscle cells. <i>Lab on A Chip</i> , 2021, 22, 121-135.	3.1	13
96	Physiology and pathobiology of the microcirculation. <i>American Journal of Otolaryngology - Head and Neck Medicine and Surgery</i> , 1988, 9, 264-277.	0.6	12
97	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> , 2019, 44, 595-605.	0.9	12
98	Inhibition of the active lymph pump by flow in rat mesenteric lymphatics and thoracic duct. <i>Journal of Physiology</i> , 2002, 540, 1023-1037.	1.3	12
99	An Automated Method to Control Preload by Compensation for Stress Relaxation in Spontaneously Contracting, Isometric Rat Mesenteric Lymphatics. <i>Microcirculation</i> , 2007, 14, 603-612.	1.0	11
100	3,4,7-O-trimethylquercetin Inhibits Invasion and Migration of Ovarian Cancer Cells. <i>Anticancer Research</i> , 2017, 37, 2823-2829.	0.5	11
101	Hypoxia and Extracellular Matrix Proteins Influence Angiogenesis and Lymphangiogenesis in Mouse Embryoid Bodies. <i>Frontiers in Physiology</i> , 2011, 2, 103.	1.3	10
102	Charged residue alterations in the inner-core domain and carboxy-terminus of β -tropomyosin differentially affect mouse cardiac muscle contractility. <i>Journal of Physiology</i> , 2004, 561, 777-791.	1.3	9
103	Attenuation of hyperglycemia-induced apoptotic signaling and anti-angiogenic milieu in cultured cytotrophoblast cells. <i>Hypertension in Pregnancy</i> , 2016, 35, 159-169.	0.5	9
104	Differential Mechanism of Action of 3,4,7-O-trimethylquercetin in Three Types of Ovarian Cancer Cells. <i>Anticancer Research</i> , 2018, 38, 5131-5137.	0.5	9
105	Analysis of picogram quantities of protein in subnanoliter-size samples. <i>Analytical Biochemistry</i> , 1984, 142, 182-188.	1.1	8
106	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> , 1996, 30, 345-354.	0.9	8
107	Changes in end-to-end interactions of tropomyosin affect mouse cardiac muscle dynamics. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2006, 291, H552-H563.	1.5	8
108	Venomotion modulates lymphatic pumping in the bat wing. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2009, 296, H2015-H2021.	1.5	8

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109	Pulmonary Air Embolization Inhibits Lung Lymph Flow by Increasing Lymphatic Outflow Pressure. <i>Lymphatic Research and Biology</i> , 2006, 4, 18-22.	0.5	7
110	Cinobufotalin impedes Sw.71 cytotrophoblast cell line function via cell cycle arrest and apoptotic signaling. <i>Molecular and Cellular Biochemistry</i> , 2016, 422, 189-196.	1.4	7
111	Relationship between cardiac protein tyrosine phosphorylation and myofibrillogenesis during axolotl heart development. <i>Tissue and Cell</i> , 2003, 35, 133-142.	1.0	6
112	<i>Microlymphatic Biology.</i> , 2008, , 125-158.		6
113	Integrated geometric and mechanical analysis of an image-based lymphatic valve. <i>Journal of Biomechanics</i> , 2017, 64, 172-179.	0.9	6
114	Ca ²⁺ release-activated Ca ²⁺ channels are responsible for histamine-induced Ca ²⁺ entry, permeability increase, and interleukin synthesis in lymphatic endothelial cells. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2020, 318, H1283-H1295.	1.5	6
115	A multiscale sliding filament model of lymphatic muscle pumping. <i>Biomechanics and Modeling in Mechanobiology</i> , 2021, 20, 2179-2202.	1.4	6
116	Differential Effects of <i>In Vitro</i> Treatment with Cinobufotalin on Three Types of Ovarian Cancer Cells. <i>Anticancer Research</i> , 2018, 38, 5717-5724.	0.5	5
117	Effect of the snake venom component crotamine on lymphatic endothelial cell responses and lymph transport. <i>Microcirculation</i> , 2023, 30, .	1.0	5
118	Inflammatory state of lymphatic vessels and miRNA profiles associated with relapse in ovarian cancer patients. <i>PLoS ONE</i> , 2020, 15, e0230092.	1.1	4
119	The Role of Lymphatics in Cholestasis: A Comprehensive Review. <i>Seminars in Liver Disease</i> , 2020, 40, 403-410.	1.8	4
120	Dichotomous effects on lymphatic transport with loss of caveolae in mice. <i>Acta Physiologica</i> , 2021, 232, e13656.	1.8	4
121	RATE-SENSITIVE CONTRACTILE RESPONSES OF RAT MESENTERIC LYMPHATICS TO CIRCUMFERENTIAL STRETCH. <i>FASEB Journal</i> , 2007, 21, A485.	0.2	4
122	Hyperglycemia down-regulates cGMP-dependent protein kinase I expression in first trimester cytotrophoblast cells. <i>Molecular and Cellular Biochemistry</i> , 2015, 405, 81-88.	1.4	3
123	Altered rodent gait characteristics after ~35 days in orbit aboard the International Space Station. <i>Life Sciences in Space Research</i> , 2020, 24, 9-17.	1.2	3
124	Imposed flow-dependent inhibition in rat thoracic duct is not dependent from on K channel blockade. <i>FASEB Journal</i> , 2007, 21, A485.	0.2	3
125	Inhibition of the active lymph pump by flow in rat mesenteric lymphatics and thoracic duct. <i>Journal of Physiology</i> , 2002, 540, 1023-1037.	1.3	3
126	Multiple Ionic Mechanisms Activated by Bradykinin in Coronary Venular Endothelial Cells. <i>Endothelium: Journal of Endothelial Cell Research</i> , 1996, 4, 29-40.	1.7	2

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127	Temporal Dynamics of the Rat Thoracic Duct Contractility in the Presence of Imposed Flow. <i>Lymphatic Research and Biology</i> , 2017, 15, 324-330.	0.5	2
128	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> , 2018, 16, 56-64.	0.5	2
129	Adenovirus-Mediated Gene Transfection in the Isolated Lymphatic Vessels. <i>Methods in Molecular Biology</i> , 2012, 843, 199-204.	0.4	2
130	Cinobufotalin as a Novel Agent to Inhibit <i>in Vitro</i> Epithelial Ovarian Cancer Cell Proliferation, Migration and Invasion. <i>Open Journal of Obstetrics and Gynecology</i> , 2016, 06, 343-351.	0.1	2
131	LPS mediated decreases in immune cells recruitment on or near lymphatics impairs lymphatic contractility. <i>FASEB Journal</i> , 2013, 27, 681.5.	0.2	2
132	Intracellular calcium dynamics of lymphatic endothelial and muscle cells co-cultured in a Lymphangion-Chip under pulsatile flow. <i>Analyst, The</i> , 2022, 147, 2953-2965.	1.7	2
133	Construction of an optical bench microscope for intravital studies. <i>Microvascular Research</i> , 1987, 33, 433-436.	1.1	1
134	Microlymphatic flow using fast video microscopy. , 2005, , .		1
135	Analysis of Lymphatic Vessel Formation by Whole-Mount Immunofluorescence Staining. <i>Methods in Molecular Biology</i> , 2021, 2319, 153-159.	0.4	1
136	Isolation of Lymphatic Muscle Cells (LMCs) from Rat Mesentery. <i>Methods in Molecular Biology</i> , 2021, 2319, 137-141.	0.4	1
137	Cardiotonic steroids affect monolayer permeability in lymphatic endothelial cells. <i>Molecular and Cellular Biochemistry</i> , 2021, 476, 3207-3213.	1.4	1
138	Shortening velocities of rat mesenteric lymphatics during spontaneous and agonist-induced contractions. <i>FASEB Journal</i> , 2006, 20, A279.	0.2	1
139	Effects of α -reactive protein on rat mesenteric lymphatic contractility. <i>FASEB Journal</i> , 2006, 20, .	0.2	1
140	PRESSURE-VOLUME RELATIONSHIPS OF RAT MESENTERIC LYMPHATIC VESSELS IN RESPONSE TO CONTROLLED PRELOAD AND AFTERLOAD STEPS. <i>FASEB Journal</i> , 2007, 21, A485.	0.2	1
141	Low density lipoprotein modulates rat mesenteric lymphatic pumping. <i>FASEB Journal</i> , 2009, 23, 764.1.	0.2	1
142	Lymph Transport and Lymphatic System. , 2005, , 398-401.		1
143	Image correlation method for measuring flow and diameter changes in contracting mesenteric microlymphatics in situ. , 2006, , .		0
144	Nitric Oxide Transport in Lymphatic Vessels. , 2011, , .		0

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145	783 UPREGULATION OF (PRO)RENIN AND ITS RECEPTOR IN PREECLAMPSIA. Journal of Hypertension, 2012, 30, e226.	0.3	0
146	994 MARINOBUFAGENIN CAUSES CEREBRAL VASCULAR LEAK SYNDROME IN PREECLAMPSIA. Journal of Hypertension, 2012, 30, e288.	0.3	0
147	Developing a Model for Mass Transport of Nitric Oxide in the Lymphatic System. , 2012, , .		0
148	217: A bufadienolide suppresses aldosterone availability in preeclampsia: a translational approach with in vivo, in vitro, and patient study. American Journal of Obstetrics and Gynecology, 2012, 206, S108.	0.7	0
149	218: A bufadienolide causes cerebral vascular leak syndrome in preeclampsia: in vivo and in vitro study. American Journal of Obstetrics and Gynecology, 2012, 206, S109.	0.7	0
150	Hypoxia Modulates the Cellular Signaling in Cultured Rat Lung Microvascular Endothelial Cells. Chest, 2014, 146, 857A.	0.4	0
151	Tu1737 IL-1 β Inhibits Contraction of Intestinal Lymphatic Smooth Muscle -Implications for Chronic Gut Inflammation. Gastroenterology, 2014, 146, S-830.	0.6	0
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