R Clinton Webb

List of Publications by Year
in descending order

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128 papers	2,583 citations	279487 23 h-index	197535 49 g-index
129 all docs	129 docs citations	129 times ranked	3852 citing authors

#	Article	IF	Citations
1	SMOOTH MUSCLE CONTRACTION AND RELAXATION. American Journal of Physiology - Advances in Physiology Education, 2003, 27, 201-206.	0.8	329
2	Hypertension and COVID-19. American Journal of Hypertension, 2020, 33, 373-374.	1.0	260
3	Long-Term Antioxidant Administration Attenuates Mineralocorticoid Hypertension and Renal Inflammatory Response. Hypertension, 2001, 37, 781-786.	1.3	212
4	Toll-like Receptors in the Vascular System: Sensing the Dangers Within. Pharmacological Reviews, 2016, 68, 142-167.	7.1	199
5	SMOOTH MUSCLE CONTRACTION AND RELAXATION. American Journal of Physiology - Advances in Physiology Education, 2003, 27, 201-206.	0.8	184
6	Circulating mitochondrial DNA and Toll-like receptor 9 are associated with vascular dysfunction in spontaneously hypertensive rats. Cardiovascular Research, 2015, 107, 119-130.	1.8	149
7	Spironolactone reduces cerebral infarct size and EGF-receptor mRNA in stroke-prone rats. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2001, 281, R944-R950.	0.9	97
8	Effect of Rho-kinase inhibition on vasoconstriction in the penile circulation. Journal of Applied Physiology, 2001, 91, 1269-1273.	1.2	81
9	RhoA/Rho-kinase, vascular changes, and hypertension. Current Hypertension Reports, 2001, 3, 139-144.	1.5	80
10	Guidelines for the measurement of vascular function and structure in isolated arteries and veins. American Journal of Physiology - Heart and Circulatory Physiology, 2021, 321, H77-H111.	1.5	74
11	Mitochondrial N-formyl peptides induce cardiovascular collapse and sepsis-like syndrome. American Journal of Physiology - Heart and Circulatory Physiology, 2015, 308, H768-H777.	1.5	67
12	Interleukin-10 limits increased blood pressure and vascular RhoA/Rho-kinase signaling in angiotensin II-infused mice. Life Sciences, 2016, 145, 137-143.	2.0	51
13	Adenosine Actions are Preserved in Corpus Cavernosum from Obese and Type II Diabetic db/db Mouse. Journal of Sexual Medicine, 2008, 5, 1156-1166.	0.3	46
14	Mitochondrial N-formyl peptides cause airway contraction and lung neutrophil infiltration via formyl peptide receptor activation. Pulmonary Pharmacology and Therapeutics, 2016, 37, 49-56.	1.1	42
15	Toll-Like Receptor 4 Activation Contributes to Diabetic Bladder Dysfunction in a Murine Model of Type 1 Diabetes. Diabetes, 2016, 65, 3754-3764.	0.3	42
16	Inhibition of Toll-Like Receptor-4 (TLR-4) Improves Neurobehavioral Outcomes After Acute Ischemic Stroke in Diabetic Rats: Possible Role of Vascular Endothelial TLR-4. Molecular Neurobiology, 2019, 56, 1607-1617.	1.9	39
17	Toll-like receptor 4 (TLR4) impairs nitric oxide contributing to Angiotensin II-induced cavernosal dysfunction. Life Sciences, 2017, 191, 219-226.	2.0	36
18	Reconstitution of autophagy ameliorates vascular function and arterial stiffening in spontaneously hypertensive rats. American Journal of Physiology - Heart and Circulatory Physiology, 2019, 317, H1013-H1027.	1.5	33

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19	Novel Contributors and Mechanisms of Cellular Senescence in Hypertension-Associated Premature Vascular Aging. American Journal of Hypertension, 2019, 32, 709-719.	1.0	30
20	Exposure to stimulatory CpG oligonucleotides during gestation induces maternal hypertension and excess vasoconstriction in pregnant rats. American Journal of Physiology - Heart and Circulatory Physiology, 2016, 310, H1015-H1025.	1.5	29
21	Novel signaling pathways contributing to vascular changes in hypertension. Journal of Biomedical Science, 2000, 7, 431-443.	2.6	28
22	Chloroquine Suppresses the Development of Hypertension in Spontaneously Hypertensive Rats. American Journal of Hypertension, 2017, 30, 173-181.	1.0	25
23	Blockade of Toll-Like Receptor 4 Attenuates Erectile Dysfunction in Diabetic Rats. Journal of Sexual Medicine, 2018, 15, 1235-1245.	0.3	25
24	High-fat diet increases O-GlcNAc levels in cerebral arteries: a link to vascular dysfunction associated with hyperlipidaemia/obesity?. Clinical Science, 2016, 130, 871-880.	1.8	22
25	The toll of the gridiron: damageâ€associated molecular patterns and hypertension in American football. FASEB Journal, 2016, 30, 34-40.	0.2	22
26	Reduced vascular responses to soluble guanylyl cyclase but increased sensitivity to sildenafil in female rats with type 2 diabetes. American Journal of Physiology - Heart and Circulatory Physiology, 2015, 309, H297-H304.	1.5	21
27	Formyl peptide receptor-1 activation exerts a critical role for the dynamic plasticity of arteries via actin polymerization. Pharmacological Research, 2019, 141, 276-290.	3.1	21
28	Impact of Immune System Activation and Vascular Impairment on Male and Female Sexual Dysfunction. Sexual Medicine Reviews, 2019, 7, 604-613.	1.5	20
29	Enhanced angiotensin-converting enzyme activity and systemic reactivity to angiotensin II in normotensive rats exposed to a high-sodium diet. Vascular Pharmacology, 2014, 60, 67-74.	1.0	19
30	New insights into RhoA/Rho-kinase signaling: a key regulator of vascular contraction. Small GTPases, 2021, 12, 458-469.	0.7	18
31	Beneficial Effect of the Soluble Guanylyl Cyclase Stimulator BAY 41-2272 on Impaired Penile Erection in db/db^{â^'/â^'} Type II Diabetic and Obese Mice. Journal of Pharmacology and Experimental Therapeutics, 2015, 353, 330-339.	1.3	17
32	Autoimmune therapeutic chloroquine lowers blood pressure and improves endothelial function in spontaneously hypertensive rats. Pharmacological Research, 2016, 113, 384-394.	3.1	17
33	Toll-Like Receptor 9â€"Dependent AMPKÎ± Activation Occurs via TAK1 and Contributes to RhoA/ROCK Signaling and Actin Polymerization in Vascular Smooth Muscle Cells. Journal of Pharmacology and Experimental Therapeutics, 2018, 365, 60-71.	1.3	17
34	Vascular Dysfunction in Diabetes and Obesity: Focus on TRP Channels. Frontiers in Physiology, 2021, 12, 645109.	1.3	17
35	Anti-Platelet Therapy with Clopidogrel Prevents Endothelial Dysfunction and Vascular Remodeling in Aortas from Hypertensive Rats. PLoS ONE, 2014, 9, e91890.	1.1	17
36	Formyl Peptide Receptor Activation Elicits Endothelial Cell Contraction and Vascular Leakage. Frontiers in Immunology, 2016, 7, 297.	2.2	14

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37	Transcriptional profiling of uterine leiomyoma rats treated by a traditional herb pair, Curcumae rhizoma and Sparganii rhizoma. Brazilian Journal of Medical and Biological Research, 2019, 52, e8132.	0.7	14
38	O-Glycosylation with O-linked Î²-N-acetylglucosamine increases vascular contraction: Possible modulatory role on Interleukin-10 signaling pathway. Life Sciences, 2018, 209, 78-84.	2.0	13
39	Effects of glucosyl-hesperidin and physical training on body weight, plasma lipids, oxidative status and vascular reactivity of rats fed with high-fat diet. Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy, 2018, Volume 11, 321-332.	1.1	12
40	Targeting Endothelial Barrier Dysfunction Caused by Circulating Bacterial and Mitochondrial N-Formyl Peptides With Deformylase. Frontiers in Immunology, 2019, 10, 1270.	2.2	12
41	A Toll-Like Receptor 1/2 Agonist Augments Contractility in Rat Corpus Cavernosum. Journal of Sexual Medicine, 2015, 12, 1722-1731.	0.3	10
42	Impaired Corpus Cavernosum Relaxation Is Accompanied by Increased Oxidative Stress and Up-Regulation of the Rho-Kinase Pathway in Diabetic (Db/Db) Mice. PLoS ONE, 2016, 11, e0156030.	1.1	10
43	TRPM8 channel activation triggers relaxation of pudendal artery with increased sensitivity in the hypertensive rats. Pharmacological Research, 2019, 147, 104329.	3.1	10
44	Blockade of the TLR4â€“MD2 complex lowers blood pressure and improves vascular function in a murine model of type 1 diabetes. Scientific Reports, 2020, 10, 12032.	1.6	10
45	Paying the Toll for Inflammation. Hypertension, 2019, 73, 514-521.	1.3	9
46	Dissecting the interaction between HSP70 and vascular contraction: role of $$hbox{Ca}^{2+}$$ handling mechanisms. Scientific Reports, 2021, 11, 1420.	1.6	9
47	Interleukinâ€10 negatively modulates extracellular signalâ€regulated kinases 1 and 2 in aorta from hypertensive mouse induced by angiotensin II infusion. Fundamental and Clinical Pharmacology, 2019, 33, 31-40.	1.0	8
48	Establishment of a rat model for uterine leiomyomas based on Western and traditional Chinese medicine theories. Brazilian Journal of Medical and Biological Research, 2018, 51, e7627.	0.7	7
49	Toll-like receptor 9 regulates metabolic profile and contributes to obesity-induced benign prostatic hyperplasia in mice. Pharmacological Reports, 2020, 72, 179-187.	1.5	7
50	Macrophage-Specific Toll Like Receptor 9 (TLR9) Causes Corpus Cavernosum Dysfunction in Mice Fed a High Fat Diet. Journal of Sexual Medicine, 2021, 18, 723-731.	0.3	6
51	Impaired HSP70 Expression in the Aorta of Female Rats: A Novel Insight Into Sex-Specific Differences in Vascular Function. Frontiers in Physiology, 2021, 12, 666696.	1.3	6
52	COVID-19 and ROS Storm: What is the Forecast for Hypertension. American Journal of Hypertension, 2021, 34, 779-782.	1.0	6
53	Impaired Ca2+ Homeostasis and Decreased Orai1 Expression Modulates Arterial Hyporeactivity to Vasoconstrictors During Endotoxemia. Inflammation, 2016, 39, 1188-1197.	1.7	5
54	To Be, or Nox to Be, Endoplasmic Reticulum Stress in Hypertension. Hypertension, 2018, 72, 59-60.	1.3	5

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55	The contribution of Toll-like receptors to placental inflammation in diet-induced maternal obesity. Placenta, 2015, 36, 1204-1206.	0.7	4
56	O-GlcNAc impairs endothelial function in uterine arteries from virgin but not pregnant rats: The role of GSK3Î². European Journal of Pharmacology, 2020, 880, 173133.	1.7	4
57	Sex differences in vascular expression and activation of STIMâ€1/Oraiâ€1 during hypertension: focus on calcium regulation. FASEB Journal, 2009, 23, .	0.2	3
58	Equilin displays similar endothelium-independent vasodilator potential to 17Î²-estradiol regardless of lower potential to inhibit calcium entry. Steroids, 2019, 141, 46-54.	0.8	2
59	Response to â€œCOVID-19 and ACEI/ARB: Not Associated?â€• American Journal of Hypertension, 2020, 33, 789-790.	1.0	2
60	David F. Bohr. Hypertension, 2009, 53, 440-441.	1.3	1
61	VE-PTP inhibition: a novel therapeutic target for hypertension in diabetic patients. Cardiovascular Research, 2021, 117, 1423-1425.	1.8	1
62	Novel signaling pathways contributing to vascular changes in hypertension. , 2000, 7, 431.		1
63	Emerging Molecular Targets for Treatment of Erectile Dysfunction: Vascular and Regenerative Therapies on the Horizon. Current Drug Targets, 2015, 16, 427-441.	1.0	1
64	Oâ€GlcNAcylation increases vascular reactivity in rat aorta. FASEB Journal, 2008, 22, .	0.2	1
65	Arginase II Deletion Improves Diabetesâ€Induced Neurogenic and Endothelial Dysfunction in Mice Corpora Cavernosa. FASEB Journal, 2010, 24, lb514.	0.2	1
66	TLRâ€9 activation potentiates the role of ERK1/2 in thromboxane A 2 â€Ainduced contractions in uterine but not in resistance arteries. FASEB Journal, 2012, 26, 870.9.	0.2	1
67	Pregnancy regulates thromboxane A 2 â€Ainduced contractions via endotheliumâ€derived factors and largeâ€conductance calciumâ€activated potassium channels in rat uterine artery. FASEB Journal, 2013, 27, 877.7.	0.2	1
68	NLRP3 Inflammasomes Contribute to the Impaired Bladder Contraction in Male Diabetic Mice. FASEB Journal, 2019, 33, 505.5.	0.2	1
69	Use of a Combination of Insulin Sensitizers and Antioxidant Supplements in the Management of Pregnancy Hypertensive Disorders. American Journal of Hypertension, 2020, 33, 602-603.	1.0	0
70	Interleukinâ€10 counteracts impairment in endothelial dysfunction induced by endothelinâ€1 in murine aortic rings. FASEB Journal, 2006, 20, A288.	0.2	0
71	URIDINE ADENOSINE TETRAPHOSPHATEâ€INDUCED CONTRACTION IS MODULATED BY THE ENDOTHELIUM AND INVOLVES AN INCREASED SUPEROXIDE FORMATION IN DOCAâ€SALT HYPERTENSION. FASEB Journal, 2006, 20, A1185.	0.2	0
72	Effects of the soluble guanylyl cyclase stimulator (sGC) BAY 41â€2272 on vascular tone and cyclic GMP levels in spontaneously hypertensive rats.. FASEB Journal, 2006, 20, A1108.	0.2	0

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73	Upregulation of the adenylyl cyclase/cAMP signaling pathway in aorta from interleukinâ€6 (ILâ€6) knockout mice.. FASEB Journal, 2006, 20, A1117.	0.2	0
74	ILâ€10 counteracts both ETâ€1 mediated vascular responses and ETA receptor expression in vivo.. FASEB Journal, 2007, 21, A1243.	0.2	0
75	TNFÎ± augments depolarization (K+) and agonistâ€induced contraction in aortic rings and mesenteric arteries of ILâ€10 deficient mice. FASEB Journal, 2007, 21, A1160.	0.2	0
76	Increased Endotheliumâ€Mediated Vasorelaxation Induced By The Omegaâ€3 Fatty Acid Docosahexaenoic Acid (DHA) In The Presence of Coxâ€2 Inhibition. FASEB Journal, 2007, 21, A522.	0.2	0
77	Exercise improves vascular relaxation mediated by sGC/cGMP via inhibition of Rhoâ€Kinase signaling in eNOS â^'/â^' mice.. FASEB Journal, 2007, 21, A519.	0.2	0
78	Increased vascular contractile responses to phenylephrine in Docaâ€salt mice is normalized by Pyk2 blockade. FASEB Journal, 2008, 22, 912.10.	0.2	0
79	A novel effect of P2X 7 receptor antagonist â€oxidized ATP in mouse aorta. FASEB Journal, 2008, 22, 744.16.	0.2	0
80	Tx2â€6 toxin from Phoneutria nigriventer spider improves relaxation induced by electrical stimulation of rat cavernosum strips. FASEB Journal, 2008, 22, 1206.2.	0.2	0
81	Combined Aspirin & Eicosapentaenoic Acid Improve Decreased Acetycholine Vasodilation Mediated by TNFâ€alpha. FASEB Journal, 2008, 22, 744.1.	0.2	0
82	Murine and rat cavernosal responses to endothelinâ€1 and urotensinâ€II. FASEB Journal, 2008, 22, 744.14.	0.2	0
83	ILâ€10 KO female mice infused with TNFâ€Î± show impaired ACh induced relaxation as compared to ILâ€10KO male mice. FASEB Journal, 2008, 22, 1235.5.	0.2	0
84	Angiotensinâ€(1â€“7) opposes agonistâ€induced constriction in endothelium denuded rat aortic rings via NO and PI3â€Kinase pathways. FASEB Journal, 2008, 22, 1206.3.	0.2	0
85	Arginase inhibition increases the relaxation response to acetylcholine in murine mesenteric vessels. FASEB Journal, 2008, 22, 1206.6.	0.2	0
86	Increased expression of components of the Rhoâ€A/Rhoâ€kinase pathway does not compensate for its impaired activation in small mesenteric arteries from endotoxemic rats. FASEB Journal, 2008, 22, .	0.2	0
87	Hyperthyroidism enhances endotheliumâ€independent relaxation in rat aorta.. FASEB Journal, 2009, 23, .	0.2	0
88	DOCAâ€salt hypertensive rats display decreased vascular reactivity to urotensinâ€II. FASEB Journal, 2009, 23, 1017.35.	0.2	0
89	Characterization of contraction to BzATP, a P2X 7 agonist in rat mesenteric arteries. FASEB Journal, 2009, 23, 775.21.	0.2	0
90	Resistance arteries and aorta from Angiotensin II hypertensive mice do not exhibit decreased relaxation responses to Angeli's Salt, a nitroxyl anion donor. FASEB Journal, 2009, 23, 775.23.	0.2	0

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91	Activation of AMPâ€activated protein kinase (AMPK) increases phenylephrine mediated contraction in murine corpus cavernosum. FASEB Journal, 2009, 23, 781.1.	0.2	0
92	Nitrosative stress induces inhibition of protein kinase Câ€mediated vascular contractile response in mouse aorta. FASEB Journal, 2009, 23, 1007.7.	0.2	0
93	nNOS mediates relaxation in corpus cavernosum mice strips improved by Tx2â€6 toxin from Phoneutria nigriventer spider via cGMP increase. FASEB Journal, 2009, 23, 956.7.	0.2	0
94	Augmented vascular reactivity induced by ETâ€1 is associated with increased Oâ€GlcNAcylation. FASEB Journal, 2009, 23, 627.8.	0.2	0
95	Oâ€GlcNAc Transferase (OGT) Inhibition Does Not Improve Renal Artery Function in Male Angiotensin II Hypertensive Rats. FASEB Journal, 2010, 24, 976.10.	0.2	0
96	Nitroxyl anion mediates vasorelaxation in saltâ€loaded AngII hypertensive mesenteric arteries. FASEB Journal, 2010, 24, 984.20.	0.2	0
97	S â€Nitrosylation decreases vasodilation via guanylyl cyclase inhibition in mouse aorta. FASEB Journal, 2010, 24, 603.11.	0.2	0
98	Sex hormones negatively modulate STIMâ€1/Oraiâ€1 activity during hypertension: focus on calcium regulation. FASEB Journal, 2010, 24, 1041.21.	0.2	0
99	Improvement of relaxation in Type II diabetic mice corpus cavernosum by PhTx2â€6 toxin from Phoneutria nigriventer spider. FASEB Journal, 2010, 24, 986.7.	0.2	0
100	Augmented endothelinâ€1 constriction in pudendal arteries from ETB receptorâ€deficient rats: linking hypertension and female sexual dysfunction.. FASEB Journal, 2010, 24, 985.5.	0.2	0
101	Impact of hypertension and hormonal status on relaxation of the pudendal vasculature in aging female rats. FASEB Journal, 2010, 24, 985.8.	0.2	0
102	Metformin treatment of angiotensin II hypertensive rats decreased electric field stimulation mediated contraction in corpus cavernosum. FASEB Journal, 2010, 24, 986.11.	0.2	0
103	Increased contractile responses in corpora cavernosa of heart failure rats. FASEB Journal, 2010, 24, lb576.	0.2	0
104	Pregnancy increases mesenteric but not uterine artery response to thromboxane via activation of ERK pathway. FASEB Journal, 2011, 25, 1026.23.	0.2	0
105	High fat diet augments Oâ€GlcNAc levels in cerebral arteries leading to increased vascular contraction. FASEB Journal, 2011, 25, 1115.30.	0.2	0
106	Oxidationâ€reduction state modifies vascular reactivity. FASEB Journal, 2012, 26, 863.7.	0.2	0
107	Tollâ€like receptor 2 is elevated in rat corpus cavernosum in response to nitric oxide deficiency. FASEB Journal, 2012, 26, 1131.1.	0.2	0
108	Impaired cavernosal relaxation in Angiotensinâ€II infused mice is improved by deletion of Toll like receptor 4 (TLR4). FASEB Journal, 2012, 26, 1140.3.	0.2	0

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109	Endothelium modulates the contractile effect of RhoA activation in rat aorta. FASEB Journal, 2012, 26, 870.27.	0.2	0
110	Endoplasmic reticulum stress induces sarco/endoplasmic reticulum calcium ATPase and alters calcium homeostasis in the vasculature. FASEB Journal, 2012, 26, 863.2.	0.2	0
111	Type 2 diabetesâ€induced vascular dysfunction is associated with caveolinâ€1 and NADPH oxidase. FASEB Journal, 2012, 26, .	0.2	0
112	Metformin treatment of angiotensin IIâ€hypertensive rat decreases phenylephrineâ€mediated increased contraction in pudendal arteries. FASEB Journal, 2012, 26, 872.17.	0.2	0
113	REDUCED FUNCTIONALITY OF RENINâ€ANGIOTENSINâ€ALDOSTERONE SYSTEM IN YOUNG RATS EXPOSED TO HIGHâ€SALT DIET. FASEB Journal, 2012, 26, 1140.4.	0.2	0
114	Circulating fragmented mitochondria induce maternal hypertension, placental inflammation and apoptosis in pregnant rats. FASEB Journal, 2013, 27, 708.9.	0.2	0
115	TOLLâ€LIKE RECEPTOR 4 (TLR4) MEDIATES ENDOTHELIAL DYSFUNCTION DURING TYPE I DIABETES. FASEB Journal, 2013, 27, 1091.2.	0.2	0
116	Abnormal calcium homeostasis in the aorta of the spontaneously hypertensive rat is mediated by endoplasmic reticulum stress. FASEB Journal, 2013, 27, 1092.1.	0.2	0
117	Tollâ€like receptor 2 activation increases adrenergic sensitivity in mesenteric resistance vessels of rats. FASEB Journal, 2013, 27, 1090.7.	0.2	0
118	Lipopolysaccharide increases agonistâ€induced contractile responses in Sprague Dawley rat corpus cavernosum. FASEB Journal, 2013, 27, 1090.4.	0.2	0
119	Serum S100B is associated with stress, adiposity and elevated blood pressure. FASEB Journal, 2013, 27, 689.8.	0.2	0
120	Chronic Tollâ€like receptor 9 activation mediates heightened vascular contractility via attenuated NOS activity in isolated aortic segments. FASEB Journal, 2013, 27, 878.6.	0.2	0
121	Activation of formyl peptide receptors induces relaxation and reduces contraction in resistance arteries. FASEB Journal, 2013, 27, 1131.11.	0.2	0
122	Tollâ€like receptor 4 (TLR4) mediates cavernosal dysfunction in diabetic rats. FASEB Journal, 2013, 27, 1138.6.	0.2	0
123	Tollâ€Like Receptor 9 Signals through both the Stressâ€tolerance and Inflammatory Cascades after Pharmacological Stimulation in Isolated Rat Arteries. FASEB Journal, 2015, 29, 783.2.	0.2	0
124	Tollâ€like receptor 9 Activation Contributes to Decreased Autophagy in Hypertension. FASEB Journal, 2015, 29, 1048.1.	0.2	0
125	Functional Impairment in the Corpus Cavernosum Related to a High Fat Diet is Prevented in Tollâ€Like Receptor 9 Mutant Mice. FASEB Journal, 2018, 32, .	0.2	0
126	Reconstitution of Autophagy Improves Vascular Reactivity in Spontaneously Hypertensive Rats. FASEB Journal, 2018, 32, 713.17.	0.2	0

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127	Formyl Peptide Receptor Exerts a Sentinel Role and is Important for the Dynamic Plasticity of the Vasculature. FASEB Journal, 2018, 32, 843.31.	0.2	0
128	Early type 2 diabetic urothelium exhibits increased cellular senescence and an inhibitory effect on detrusor force. FASEB Journal, 2018, 32, lb356.	0.2	0