

Dina K Gaynullina

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

382
citations

687220

13
h-index

839398

18
g-index

33
all docs

33
docs citations

33
times ranked

299
citing authors

#	ARTICLE	IF	CITATIONS
1	Spaceflight on the Bion-M1 biosatellite alters cerebral artery vasomotor and mechanical properties in mice. <i>Journal of Applied Physiology</i> , 2015, 118, 830-838.	1.2	35
2	Trophic action of sympathetic nerves reduces arterial smooth muscle Ca^{2+} sensitivity during early post-natal development in rats. <i>Acta Physiologica</i> , 2014, 212, 128-141.	1.8	31
3	The Unexpected Role of Calcium-Activated Potassium Channels: Limitation of NO-induced Arterial Relaxation. <i>Journal of the American Heart Association</i> , 2018, 7, .	1.6	30
4	Functional remodelling of arterial endothelium during early postnatal development in rats. <i>Cardiovascular Research</i> , 2013, 99, 612-621.	1.8	27
5	Negative feedback regulation of vasoconstriction by potassium channels in 10- to 15-day-old rats: Dominating role of K_v7 channels. <i>Acta Physiologica</i> , 2019, 225, e13176.	1.8	27
6	Endothelial nitric oxide weakens arterial contractile responses and reduces blood pressure during early postnatal development in rats. <i>Nitric Oxide - Biology and Chemistry</i> , 2016, 55-56, 1-9.	1.2	24
7	Higher Ca^{2+} sensitivity of arterial contraction in 1-week-old rats is due to a greater Rho-kinase activity. <i>Acta Physiologica</i> , 2018, 223, e13044.	1.8	24
8	Pannexin 1 facilitates arterial relaxation via an endothelium-derived hyperpolarization mechanism. <i>FEBS Letters</i> , 2015, 589, 1164-1170.	1.3	22
9	TASK1 channel blockade by AVE1231 increases vasocontractile responses and BP in 1- to 2-week-old but not adult rats. <i>British Journal of Pharmacology</i> , 2020, 177, 5148-5162.	2.7	22
10	Changes in Endothelial Nitric Oxide Production in Systemic Vessels during Early Ontogenesis—A Key Mechanism for the Perinatal Adaptation of the Circulatory System. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1421.	1.8	16
11	Pannexins Are Potential New Players in the Regulation of Cerebral Homeostasis during Sleep-Wake Cycle. <i>Frontiers in Cellular Neuroscience</i> , 2017, 11, 210.	1.8	15
12	Endothelial function is impaired in conduit arteries of pannexin1 knockout mice. <i>Biology Direct</i> , 2014, 9, 8.	1.9	14
13	NO-mediated anticontractile effect of the endothelium is abolished in coronary arteries of adult rats with antenatal/early postnatal hypothyroidism. <i>Nitric Oxide - Biology and Chemistry</i> , 2017, 63, 21-28.	1.2	13
14	Voluntary exercise training restores anticontractile effect of NO in coronary arteries of adult rats with antenatal/early postnatal hypothyroidism. <i>Nitric Oxide - Biology and Chemistry</i> , 2018, 74, 10-18.	1.2	10
15	Alteration of mRNA and microRNA expression profiles in rat muscular type vasculature in early postnatal development. <i>Scientific Reports</i> , 2015, 5, 11106.	1.6	9
16	Endogenous oestrogens do not regulate endothelial nitric oxide production in early postnatal rats. <i>European Journal of Pharmacology</i> , 2015, 765, 598-605.	1.7	9
17	Antenatal/early postnatal hypothyroidism alters arterial tone regulation in 2-week-old rats. <i>Journal of Endocrinology</i> , 2017, 235, 137-151.	1.2	9
18	Remodeling of Arterial Tone Regulation in Postnatal Development: Focus on Smooth Muscle Cell Potassium Channels. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5413.	1.8	8

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19	The Functional Availability of Arterial Kv7 Channels Is Suppressed Considerably by Large-Conductance Calcium-Activated Potassium Channels in 2- to 3-Month Old but Not in 10- to 15-Day Old Rats. <i>Frontiers in Physiology</i> , 2020, 11, 597395.	1.3	8
20	Antenatal/early postnatal hypothyroidism increases the contribution of Rho-kinase to contractile responses of mesenteric and skeletal muscle arteries in adult rats. <i>Pediatric Research</i> , 2018, 84, 112-117.	1.1	7
21	Intrauterine Nitric Oxide Deficiency Weakens Differentiation of Vascular Smooth Muscle in Newborn Rats. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8003.	1.8	4
22	The Effects of Acidosis on eNOS in the Systemic Vasculature: A Focus on Early Postnatal Ontogenesis. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5987.	1.8	4
23	Trophic sympathetic influence weakens pro-contractile role of Cl ⁻ channels in rat arteries during postnatal maturation. <i>Scientific Reports</i> , 2020, 10, 20002.	1.6	3
24	Pro-contractile role of chloride in arterial smooth muscle: Postnatal decline potentially governed by sympathetic nerves. <i>Experimental Physiology</i> , 2019, 104, 1018-1022.	0.9	2
25	MAPKs Are Highly Abundant but Do Not Contribute to α 1-Adrenergic Contraction of Rat Saphenous Arteries in the Early Postnatal Period. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6037.	1.8	2
26	Intrauterine β growth restriction weakens anticontractile influence of NO in coronary arteries of adult rats. <i>Scientific Reports</i> , 2021, 11, 14475.	1.6	2
27	Thyroxine Induces Acute Relaxation of Rat Skeletal Muscle Arteries via Integrin α 2 β 3, ERK1/2 and Integrin-Linked Kinase. <i>Frontiers in Physiology</i> , 2021, 12, 726354.	1.3	2
28	Alterations of the Purinergic Regulation in Mesenteric Arteries of Pannexin-1-Knockout Mice. <i>Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology</i> , 2018, 12, 62-69.	0.3	1
29	Intrauterine L-NAME Exposure Weakens the Development of Sympathetic Innervation and Induces the Remodeling of Arterial Vessels in Two-Week-Old Rats. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12327.	1.8	1
30	Region-specific effects of antenatal/early postnatal hypothyroidism on endothelial NO-pathway activity in systemic circulation. <i>Current Research in Physiology</i> , 2022, 5, 8-15.	0.8	1
31	Reduction of baroreflex blood pressure oscillations in 12-month-old SHR: Central and peripheral mechanisms. , 2014, , .		0