

Olga S Tarasova

List of Publications by Year in descending order

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Version: 2024-02-01

87
papers

606
citations

686830

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794141

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93
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93
times ranked

516
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	TWIK-Related Acid-Sensitive Potassium Channels (TASK-1) Emerge as Contributors to Tone Regulation in Renal Arteries at Alkaline pH. <i>Frontiers in Physiology</i> , 2022, 13, .	1.3	4
3	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
4	Pannexin 1 Transgenic Mice: Human Diseases and Sleep-Wake Function Revision. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5269.	1.8	3
5	Nongenomic Thyroxine-Induced Relaxation of Rat Skeletal Muscle Arteries Is Mediated by Integrin $\alpha 2\beta 3$, Integrin-Linked Kinase, ERK1/2 and ROCK. <i>FASEB Journal</i> , 2021, 35, .	0.2	0
6	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
7	MAPKs Are Highly Abundant but Do Not Contribute to $\alpha 1$ -Adrenergic Contraction of Rat Saphenous Arteries in the Early Postnatal Period. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6037.	1.8	2
8	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
9	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
10	Thyroxine Induces Acute Relaxation of Rat Skeletal Muscle Arteries via Integrin $\alpha 2\beta 3$, ERK1/2 and Integrin-Linked Kinase. <i>Frontiers in Physiology</i> , 2021, 12, 726354.	1.3	2
11	The Role of Reactive Oxygen Species in the Tone Regulation of Respiratory and Locomotor Muscle Arteries of the Rat. <i>Moscow University Biological Sciences Bulletin</i> , 2021, 76, 111-117.	0.1	2
12	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
13	Estimation of Time Characteristics of Baroreflex Resetting During Orthostatic Stress. , 2020, , .		0
14	TASK-1 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
15	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
16	Phase Coupling Between Baroreflex Oscillations of Blood Pressure and Heart Rate Changes in 21-Day Dry Immersion. <i>Frontiers in Physiology</i> , 2020, 11, 455.	1.3	14
17	Changes in the Expression of Genes Regulating Calcium Homeostasis in Rat Myocardium Induced by Voluntary Wheel Training: The Role of Thyroid Hormones. <i>Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology</i> , 2020, 14, 67-73.	0.3	1
18	Simulated Microgravity Induces Regionally Distinct Neurovascular and Structural Remodeling of Skeletal Muscle and Cutaneous Arteries in the Rat. <i>Frontiers in Physiology</i> , 2020, 11, 675.	1.3	3

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19	P.27 Mechanisms of NADPH Oxidase Participation in the Regulation of Diaphragm Artery Contractile Responses. <i>Artery Research</i> , 2020, 26, S50-S50.	0.3	0
20	P.34 Preeclampsia Leads to the Delayed Development of Sympathetic Control of the Cardiovascular System in the Offspring. <i>Artery Research</i> , 2020, 26, S57-S57.	0.3	0
21	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
22	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
23	$[Ca^{2+}]$ changes in sympathetic varicosities and Schwann cells in rat mesenteric arteries—Relation to noradrenaline release and contraction. <i>Acta Physiologica</i> , 2019, 226, e13279.	1.8	8
24	Phase synchronization of baroreflex oscillations of blood pressure and pulse interval in rats: the effects of cardiac autonomic blockade and gradual blood loss. <i>Physiological Measurement</i> , 2019, 40, 054003.	1.2	6
25	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
26	Disorders of Synchronization of Blood Pressure and Heart Rate Precede the Development of Vasovagal Syncope during Orthostasis. <i>Human Physiology</i> , 2019, 45, 405-411.	0.1	6
27	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
28	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
29	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
30	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
31	Comparative Evaluation of Heart Rate Variability Based on the Data of ECG and Blood Pressure Measurements. <i>Human Physiology</i> , 2018, 44, 307-313.	0.1	1
32	Increase in the constrictor effects of Rho-kinase in skeletal muscle and coronary arteries of rats with chronic hypothyroidism. <i>Bulletin of Siberian Medicine</i> , 2018, 17, 23-32.	0.1	1
33	Measures of Growth Processes and Myogenesis in Glycolytic and Oxidative Muscle Fibers in Rats after Indirect Electrical Stimulation. <i>Neuroscience and Behavioral Physiology</i> , 2017, 47, 352-358.	0.2	0
34	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
35	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
36	Strategies of adaptation of small arteries in diaphragm and gastrocnemius muscle to aerobic exercise training. <i>Human Physiology</i> , 2017, 43, 437-445.	0.1	3

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37	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
38	RHO-KINASE AS A KEY PARTICIPANT IN THE REGULATION OF VASCULAR TONE IN NORMAL CIRCULATION AND VASCULAR DISORDERS. <i>Arterial Hypertension (Russian Federation)</i> , 2017, 23, 383-394.	0.1	6
39	DYNAMICS OF RATS' VOLUNTARY RUN CHARACTERISTICS FOLLOWING 8 WEEKS OF TRAINING. <i>Aerospace and Environmental Medicine</i> , 2017, 51, 66-73.	0.0	1
40	INFLUENCE OF SYNTHETIC ANALOG OF PLATELET ACTIVATION FACTOR 1-ALKYL-2-ALKYLCARBOMOILGLICERINE ON VASCULAR SMOOTH MUSCLE CELLS CONTRACTILE PROPERTIES. <i>Arterial Hypertension (Russian)</i> Tj ETQq0 0 0 qgBT /Overlock 10 Tf		
41	The role of inwardly rectifying potassium channels in the relaxation of rat hind-limb arteries. <i>Biophysics (Russian Federation)</i> , 2016, 61, 741-747.	0.2	1
42	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
43	Reply to Zhang. <i>Journal of Applied Physiology</i> , 2015, 119, 1244-1244.	1.2	1
44	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
45	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
46	Pannexin 1 facilitates arterial relaxation via an endothelium-derived hyperpolarization mechanism. <i>FEBS Letters</i> , 2015, 589, 1164-1170.	1.3	22
47	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
48	Reduction of baroreflex blood pressure oscillations in 12-month-old SHR: Central and peripheral mechanisms. , 2014, , .		0
49	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
50	Injected nanoparticles: The combination of experimental systems to assess cardiovascular adverse effects. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2014, 87, 64-72.	2.0	17
51	Endothelial function is impaired in conduit arteries of pannexin1 knockout mice. <i>Biology Direct</i> , 2014, 9, 8.	1.9	14
52	Nanocarriers and the delivered drug: Effect interference due to intravenous administration. <i>European Journal of Pharmaceutical Sciences</i> , 2014, 63, 96-102.	1.9	10
53	Optimization of training: New developments in safe strength training. <i>Human Physiology</i> , 2013, 39, 511-523.	0.1	9
54	Effect of strength training on pressor reflex responses from receptors in exercising muscles. <i>Human Physiology</i> , 2013, 39, 729-734.	0.1	0

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55	Functional remodelling of arterial endothelium during early postnatal development in rats. <i>Cardiovascular Research</i> , 2013, 99, 612-621.	1.8	27
56	The effect of aerobic exercise on the expression of genes in skeletal muscles of trained and untrained men. <i>Human Physiology</i> , 2013, 39, 190-195.	0.1	6
57	The pattern of changes in physiological parameters in the course of changes in physical exercise intensity. <i>Human Physiology</i> , 2013, 39, 171-177.	0.1	5
58	Changes of rat respiratory and locomotory muscles during aerobic exercise training in continuous and interval regimens. <i>Biophysics (Russian Federation)</i> , 2012, 57, 684-689.	0.2	6
59	Ergoreflex: The essence and mechanisms. <i>Human Physiology</i> , 2012, 38, 665-674.	0.1	4
60	Diaphragm muscle and its feed artery after chronic respiratory airway obstruction in rats. <i>Biophysics (Russian Federation)</i> , 2010, 55, 826-830.	0.2	1
61	Effect of Aerobic Training on Innervation Density and Neurogenic Responses of Skin Afferent Blood Vessels. <i>Bulletin of Experimental Biology and Medicine</i> , 2009, 148, 5-8.	0.3	1
62	Effects of Chronic Hypotension on the Adrenergic Nervous Plexus of the Saphenous Artery in Rats and Its Regeneration after Femoral Nerve Injury. <i>Neuroscience and Behavioral Physiology</i> , 2009, 39, 757-761.	0.2	3
63	A comparative analysis of the vasomotor responses and innervation of small arteries in rat locomotor and respiratory muscles. <i>Biophysics (Russian Federation)</i> , 2008, 53, 621-625.	0.2	6
64	The contribution of protein kinase C and rho-kinase to the regulation of receptor-dependent contraction of arteries decreases with age independently of sympathetic innervation. <i>Biophysics (Russian Federation)</i> , 2008, 53, 626-631.	0.2	2
65	Orthostatic Response in Rats After Hindlimb Unloading: Effect of Transcranial Electrical Stimulation. <i>Aviation, Space, and Environmental Medicine</i> , 2007, 78, 1023-1028.	0.6	5
66	Phase Resetting of Arterial Vasomotion by Burst Stimulation of Perivascular Nerves. <i>Journal of Vascular Research</i> , 2005, 42, 165-173.	0.6	9
67	Effect of transmural pressure on constrictor reactions of caudal artery in hypotensive and hypertensive rats. <i>Bulletin of Experimental Biology and Medicine</i> , 2003, 136, 30-33.	0.3	0
68	Effect of Stress on Variability of Systemic Hemodynamics in Rats of Various Genetic Strains. <i>Bulletin of Experimental Biology and Medicine</i> , 2003, 136, 235-238.	0.3	0
69	Transmitter characteristics of cutaneous, renal and skeletal muscle small arteries in the rat. <i>Acta Physiologica Scandinavica</i> , 2003, 177, 157-166.	2.3	27
70	Myogenic response of rat femoral small arteries in relation to wall structure and [Ca ²⁺] _i . <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2002, 283, H118-H125.	1.5	19
71	Effect of tail suspension on haemodynamics in intact and sympathectomized rats. <i>European Journal of Applied Physiology</i> , 2001, 85, 397-404.	1.2	13
72	Wall thickness and constrictive responses of the caudal artery in rats with renovascular hypertension. <i>Bulletin of Experimental Biology and Medicine</i> , 2000, 130, 749-751.	0.3	0

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73	Adaptation to periodic high-altitude hypoxia inhibits baroreflex vagal bradycardia in rats. <i>Bulletin of Experimental Biology and Medicine</i> , 2000, 129, 327-329.	0.3	4
74	Vasoconstriction reactions in tail artery in the rats with regional arterial hypotension. <i>Bulletin of Experimental Biology and Medicine</i> , 1999, 127, 7-9.	0.3	0
75	Low-Frequency Blood Pressure Oscillations in Mesenteric Vessels in Conscious Rats. <i>Journal of Vascular Research</i> , 1999, 36, 528-531.	0.6	5
76	Frequency characteristics of blood pressure oscillations evoked by sympathetic transmitters, noradrenaline and adenosine triphosphate. <i>Journal of the Autonomic Nervous System</i> , 1999, 77, 13-20.	1.9	12
77	Responses to noradrenaline of tail arteries in hypertensive, hypotensive and normotensive rats under different regimens of perfusion: role of the myogenic response. <i>Acta Physiologica Scandinavica</i> , 1998, 163, 331-337.	2.3	6
78	The role of purinergic and adrenergic transmitters of the sympathetic system in the control of arterial blood pressure variability. <i>Journal of the Autonomic Nervous System</i> , 1998, 70, 66-70.	1.9	6
79	Effect of noradrenaline on tail arteries of SHR and WKY under perfusion at constant flow and constant pressure. <i>Acta Physiologica Scandinavica</i> , 1997, 161, 41-46.	2.3	9
80	Impact of twelve-day combined exposure to hypobaric hypoxia and physical exercise on structural and metabolic characteristics of skeletal muscle in rats. <i>Bulletin of Experimental Biology and Medicine</i> , 1995, 119, 579-582.	0.3	0
81	Role of ATP as a sympathetic nervous system transmitter in the smoothing of rapid arterial pressure changes. <i>Bulletin of Experimental Biology and Medicine</i> , 1995, 120, 1083-1086.	0.3	0
82	Effects of ten-day aerobic training on the energy potential and blood supply of skeletal muscle in rats. <i>Bulletin of Experimental Biology and Medicine</i> , 1994, 117, 32-35.	0.3	0
83	Vasoconstrictor reactions in spontaneously hypertensive rats versus Wistar Kyoto can be increased or decreased depending on the conditions of perfusion. <i>Acta Physiologica Scandinavica</i> , 1992, 146, 185-196.	2.3	6
84	The role of purinergic neurotransmission in various cardiovascular reflexes. <i>Acta Physiologica Scandinavica</i> , 1992, 146, 441-448.	2.3	8
85	Sympathetic neurons in the superior cervical ganglion are more numerous in SHR and Wistar-Kyoto rats than in wistar rats. <i>Bulletin of Experimental Biology and Medicine</i> , 1989, 108, 1651-1653.	0.3	0
86	Comparative analysis of effectiveness of synaptic influences on resistive vessels of spontaneously hypertensive and normotensive rats during constantflow, constant-pressure perfusion. <i>Bulletin of Experimental Biology and Medicine</i> , 1988, 106, 1666-1669.	0.3	0
87	Possible mechanisms of diverse spaceflight effects on endothelial function in different vascular beds. <i>Frontiers in Physiology</i> , 0, 9, .	1.3	0