

Elena Fomina

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of aerobic exercise in confinement on cardiorespiratory kinetics and cognitive functions â€“ Results from the 4-month SIRIUS-19 isolation project. Acta Astronautica, 2022, ,	3.2	0
2	Acquisition of cardiovascular kinetics via treadmill exercise â€“ A tool to monitor physical fitness during space missions. Acta Astronautica, 2021, 186, 280-288.	3.2	3
3	Indicators of cosmonaut locomotor functions stability: A new method for ground-reaction forces analysis. Acta Astronautica, 2021, 189, 679-686.	3.2	0
4	Estimation of Physical Performance Level of Man in Long Space Flight Based on Regular Training Data. Advances in Intelligent Systems and Computing, 2020, , 166-175.	0.6	0
5	Indicators of stability of locomotor functions of cosmonauts. Keldysh Institute Preprints, 2020, , 1-24.	0.2	0
6	Recombinant Retroviral Particles: Technology of Poduction and Application as Positive Controls for PCR Diagnostics of Dangerous Viral Infections. Problemy Osobo Opasnykh Infektsii, 2020, , 115-121.	0.6	0
7	Axial Load during the Performance of Locomotor Training in Microgravity as a Factor of Hypogravity Countermeasure Efficiency. Human Physiology, 2018, 44, 47-53.	0.4	7
8	PREVENTIVE EFFECTIVENESS OF RESISTIVE EXERCISES FOR THE BONE SYSTEM OF COSMONAUTS IN REPEATED LONG-DURATION SPACE MISSIONS. Aerospace and Environmental Medicine, 2018, 52, 28-33.	0.1	0
9	COMPARATIVE ANALYSIS OF THE EFFECTIVENESS OF COUNTERMEASURES TO THE NEGATIVE EFFECTS OF LOW MOTOR ACTIVITY ON HUMAN PHYSICAL WORKING CAPACITY IN THE EXPERIMENT WITH 520-DAY ISOLATION. Aerospace and Environmental Medicine, 2018, 52, 39-46.	0.1	0
10	REGRESSION MODEL AS A CORE OF THE INDIVIDUAL APPROACH TO BUILDING THE SYSTEM OF COUNTERMEASURES TO THE ADVERSE EFFECTS OF MICROGRAVITY. Aerospace and Environmental Medicine, 2018, 52, 16-23.	0.1	0
11	Adaptive immunity as an indicator of optimum physical loads during 520-day isolation. Human Physiology, 2017, 43, 301-311.	0.4	3
12	Memorization of sequences of right and left hand movements in right- and left-handers: Vector coding. Human Physiology, 2017, 43, 13-21.	0.4	3
13	Ground reaction force values in cosmonauts during locomotor exercises on board the International Space Station. Human Physiology, 2017, 43, 542-548.	0.4	6
14	Locomotion Strategy and Magnitude of Ground Reaction Forces During Treadmill Training on ISS. Aerospace Medicine and Human Performance, 2017, 88, 841-849.	0.4	0
15	One-Year Mission on ISS Is a Step Towards Interplanetary Missions. Aerospace Medicine and Human Performance, 2017, 88, 1094-1099.	0.4	11
16	Effectiveness of Different Training Programs for Physical Performance Maintenance under the Condition of Low Motor Activity. Human Physiology, 2017, 43, 818-825.	0.4	1
17	The effect of long-term confinement and the efficacy of exercise countermeasures on muscle strength during a simulated mission to Mars: data from the Mars500 study. Sports Medicine - Open, 2017, 3, 40.	3.1	31
18	AXIAL LOADING OF VARYING INTENSITY DURING RESISTANCE TRAINING OF COSMONAUTS AS A COUNTERMEASURE AGAINST HYPOGRAVITATIONAL DISORDERS. Aerospace and Environmental Medicine, 2017, 51, 18-23.	0.1	0

#	ARTICLE	IF	CITATIONS
19	Comparative analysis of preventive efficacy of different modes of locomotor training in space flight. Human Physiology, 2016, 42, 539-545.	0.4	9
20	Electromyographic evaluation of countermeasures during the terrestrial simulation of interplanetary spaceflight in Mars500 project. Pathophysiology, 2016, 23, 11-18.	2.2	14
21	LOCOMOTION STRATEGIES AND INTENSITY OF SUPPORT REACTIONS AS AN APPROACH TO INDIVIDUALIZATION OF COUNTERMEASURES AGAINST THE NEGATIVE EFFECTS OF MICROGRAVITY. Aerospace and Environmental Medicine, 2016, 50, 31-36.	0.1	1
22	EFFECTIVENESS OF DIFFERENT TRAINING PROGRAMS FOR PHYSICAL PERFORMANCE MAINTENANCE IN THE CONDITION OF LOW MOTOR ACTIVITY. Aerospace and Environmental Medicine, 2016, 50, 47-55.	0.1	1
23	Kidney Function and Urine Protein Composition in Healthy Volunteers During Space Station Fitness Tests. Aerospace Medicine and Human Performance, 2015, 86, 472-476.	0.4	5
24	Memorization of sequences of movements of the right and left hand by right- and left-handers. Human Physiology, 2015, 41, 629-635.	0.4	3
25	Russian Countermeasure Systems for Adverse Effects of Microgravity on Long-Duration ISS Flights. Aerospace Medicine and Human Performance, 2015, 86, 24-31.	0.4	45
26	Evolution of Russian Microgravity Countermeasures. Aerospace Medicine and Human Performance, 2015, 86, 32-37.	0.4	45
27	The Russian system of preventive countermeasures: Its present and future. Human Physiology, 2015, 41, 704-711.	0.4	10
28	The impact of long-term confinement and exercise on central and peripheral stress markers. Physiology and Behavior, 2015, 152, 106-111.	2.1	42
29	Comparative efficiency of different regimens of locomotor training in prolonged space flights as estimated from the data on biomechanical and electromyographic parameters of walking. Human Physiology, 2013, 39, 162-170.	0.4	9
30	The influence of exercise on prefrontal cortex activity and cognitive performance during a simulated space flight to Mars (MARS500). Behavioural Brain Research, 2013, 236, 1-7.	2.2	56
31	Progressive Adaptation in Physical Activity and Neuromuscular Performance during 520d Confinement. PLoS ONE, 2013, 8, e60090.	2.5	33