

Elena Fomina

List of Publications by Year in descending order

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31
papers

339
citations

1039406

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all docs

32
docs citations

32
times ranked

342
citing authors

#	ARTICLE	IF	CITATIONS
1	The influence of exercise on prefrontal cortex activity and cognitive performance during a simulated space flight to Mars (MARS500). <i>Behavioural Brain Research</i> , 2013, 236, 1-7.	1.2	56
2	Russian Countermeasure Systems for Adverse Effects of Microgravity on Long-Duration ISS Flights. <i>Aerospace Medicine and Human Performance</i> , 2015, 86, 24-31.	0.2	45
3	Evolution of Russian Microgravity Countermeasures. <i>Aerospace Medicine and Human Performance</i> , 2015, 86, 32-37.	0.2	45
4	The impact of long-term confinement and exercise on central and peripheral stress markers. <i>Physiology and Behavior</i> , 2015, 152, 106-111.	1.0	42
5	Progressive Adaptation in Physical Activity and Neuromuscular Performance during 520d Confinement. <i>PLoS ONE</i> , 2013, 8, e60090.	1.1	33
6	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. <i>Sports Medicine - Open</i> , 2017, 3, 40.	1.3	31
7	Electromyographic evaluation of countermeasures during the terrestrial simulation of interplanetary spaceflight in Mars500 project. <i>Pathophysiology</i> , 2016, 23, 11-18.	1.0	14
8	One-Year Mission on ISS Is a Step Towards Interplanetary Missions. <i>Aerospace Medicine and Human Performance</i> , 2017, 88, 1094-1099.	0.2	11
9	The Russian system of preventive countermeasures: Its present and future. <i>Human Physiology</i> , 2015, 41, 704-711.	0.1	10
10	Comparative efficiency of different regimens of locomotor training in prolonged space flights as estimated from the data on biomechanical and electromyographic parameters of walking. <i>Human Physiology</i> , 2013, 39, 162-170.	0.1	9
11	Comparative analysis of preventive efficacy of different modes of locomotor training in space flight. <i>Human Physiology</i> , 2016, 42, 539-545.	0.1	9
12	Axial Load during the Performance of Locomotor Training in Microgravity as a Factor of Hypogravity Countermeasure Efficiency. <i>Human Physiology</i> , 2018, 44, 47-53.	0.1	7
13	Ground reaction force values in cosmonauts during locomotor exercises on board the International Space Station. <i>Human Physiology</i> , 2017, 43, 542-548.	0.1	6
14	Kidney Function and Urine Protein Composition in Healthy Volunteers During Space Station Fitness Tests. <i>Aerospace Medicine and Human Performance</i> , 2015, 86, 472-476.	0.2	5
15	Memorization of sequences of movements of the right and left hand by right- and left-handers. <i>Human Physiology</i> , 2015, 41, 629-635.	0.1	3
16	Adaptive immunity as an indicator of optimum physical loads during 520-day isolation. <i>Human Physiology</i> , 2017, 43, 301-311.	0.1	3
17	Memorization of sequences of right and left hand movements in right- and left-handers: Vector coding. <i>Human Physiology</i> , 2017, 43, 13-21.	0.1	3
18	Acquisition of cardiovascular kinetics via treadmill exercise – A tool to monitor physical fitness during space missions. <i>Acta Astronautica</i> , 2021, 186, 280-288.	1.7	3

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19	Effectiveness of Different Training Programs for Physical Performance Maintenance under the Condition of Low Motor Activity. <i>Human Physiology</i> , 2017, 43, 818-825.	0.1	1
20	LOCOMOTION STRATEGIES AND INTENSITY OF SUPPORT REACTIONS AS AN APPROACH TO INDIVIDUALIZATION OF COUNTERMEASURES AGAINST THE NEGATIVE EFFECTS OF MICROGRAVITY. <i>Aerospace and Environmental Medicine</i> , 2016, 50, 31-36.	0.0	1
21	EFFECTIVENESS OF DIFFERENT TRAINING PROGRAMS FOR PHYSICAL PERFORMANCE MAINTENANCE IN THE CONDITION OF LOW MOTOR ACTIVITY. <i>Aerospace and Environmental Medicine</i> , 2016, 50, 47-55.	0.0	1
22	Locomotion Strategy and Magnitude of Ground Reaction Forces During Treadmill Training on ISS. <i>Aerospace Medicine and Human Performance</i> , 2017, 88, 841-849.	0.2	0
23	Indicators of cosmonaut locomotor functions stability: A new method for ground-reaction forces analysis. <i>Acta Astronautica</i> , 2021, 189, 679-686.	1.7	0
24	AXIAL LOADING OF VARYING INTENSITY DURING RESISTANCE TRAINING OF COSMONAUTS AS A COUNTERMEASURE AGAINST HYPOGRAVITATIONAL DISORDERS. <i>Aerospace and Environmental Medicine</i> , 2017, 51, 18-23.	0.0	0
25	PREVENTIVE EFFECTIVENESS OF RESISTIVE EXERCISES FOR THE BONE SYSTEM OF COSMONAUTS IN REPEATED LONG-DURATION SPACE MISSIONS. <i>Aerospace and Environmental Medicine</i> , 2018, 52, 28-33.	0.0	0
26	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. <i>Aerospace and Environmental Medicine</i> , 2018, 52, 39-46.	0.0	0
27	REGRESSION MODEL AS A CORE OF THE INDIVIDUAL APPROACH TO BUILDING THE SYSTEM OF COUNTERMEASURES TO THE ADVERSE EFFECTS OF MICROGRAVITY. <i>Aerospace and Environmental Medicine</i> , 2018, 52, 16-23.	0.0	0
28	Estimation of Physical Performance Level of Man in Long Space Flight Based on Regular Training Data. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 166-175.	0.5	0
29	Indicators of stability of locomotor functions of cosmonauts. <i>Keldysh Institute Preprints</i> , 2020, , 1-24.	0.1	0
30	Recombinant Retroviral Particles: Technology of Production and Application as Positive Controls for PCR Diagnostics of Dangerous Viral Infections. <i>Problemy Osobo Opasnykh Infektsii</i> , 2020, , 115-121.	0.2	0
31	Effects of aerobic exercise in confinement on cardiorespiratory kinetics and cognitive functions – Results from the 4-month SIRIUS-19 isolation project. <i>Acta Astronautica</i> , 2022, , .	1.7	0