

Vladimir Pletser

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

370
citations

840776

11
h-index

794594

19
g-index

40
all docs

40
docs citations

40
times ranked

415
citing authors

#	ARTICLE	IF	CITATIONS
1	Short duration microgravity experiments in physical and life sciences during parabolic flights: the first 30 ESA campaigns. <i>Acta Astronautica</i> , 2004, 55, 829-854.	3.2	51
2	The First European Parabolic Flight Campaign with the Airbus A310 ZERO-G. <i>Microgravity Science and Technology</i> , 2016, 28, 587-601.	1.4	38
3	The First Joint European Partial-G Parabolic Flight Campaign at Moon and Mars Gravity Levels for Science and Exploration. <i>Microgravity Science and Technology</i> , 2012, 24, 383-395.	1.4	33
4	Field astrobiology research in Moon and Mars analogue environments: instruments and methods. <i>International Journal of Astrobiology</i> , 2011, 10, 141-160.	1.6	30
5	European parabolic flight campaigns with Airbus ZERO-G: Looking back at the A300 and looking forward to the A310. <i>Advances in Space Research</i> , 2015, 56, 1003-1013.	2.6	29
6	ESA Parabolic Flights, Drop Tower and Centrifuge Opportunities for University Students. <i>Microgravity Science and Technology</i> , 2011, 23, 181-189.	1.4	23
7	European aircraft parabolic flights for microgravity research, applications and exploration: A review. <i>Reach</i> , 2016, 1, 11-19.	0.7	20
8	International Heat and Mass Transfer Experiments on the 48th ESA Parabolic Flight Campaign of March 2008. <i>Microgravity Science and Technology</i> , 2008, 20, 177-182.	1.4	19
9	PCR-based analysis of microbial communities during the EuroGeoMars campaign at Mars Desert Research Station, Utah. <i>International Journal of Astrobiology</i> , 2011, 10, 177-190.	1.6	17
10	Degraded EEG response of the human brain in function of gravity levels by the method of chaotic attractor. <i>Acta Astronautica</i> , 2003, 52, 581-589.	3.2	13
11	Human crew-related aspects for astrobiology research. <i>International Journal of Astrobiology</i> , 2011, 10, 255-267.	1.6	12
12	Lois exponentielles de distance pour les syst \grave{e} mes de satellites. <i>Earth, Moon and Planets</i> , 1986, 36, 193-210.	0.6	10
13	Towards protein crystal growth on the International Space Station (ISS) – innovative tools, diagnostics and applications. <i>Journal of Crystal Growth</i> , 2001, 232, 468-472.	1.5	10
14	Are aircraft parabolic flights really parabolic?. <i>Acta Astronautica</i> , 2013, 89, 226-228.	3.2	8
15	Exponential distance relations in planetary-like systems generated at random. <i>Earth, Moon and Planets</i> , 1988, 42, 1-18.	0.6	7
16	First Middle East Aircraft Parabolic Flights for ISU Participant Experiments. <i>Microgravity Science and Technology</i> , 2017, 29, 209-219.	1.4	7
17	The Protein Crystallisation Diagnostics Facility (PCDF) on Board ESA Columbus Laboratory. <i>Microgravity Science and Technology</i> , 2009, 21, 269-277.	1.4	6
18	A new ESA educational initiative: Euro Space Center class teachers in microgravity during parabolic flights. <i>Acta Astronautica</i> , 2005, 57, 910-919.	3.2	5

#	ARTICLE	IF	CITATIONS
19	European Contribution to Human Aspect Investigations for Future Planetary Habitat Definition Studies: Field Tests at MDRS on Crew Time Utilisation and Habitat Interfaces. <i>Microgravity Science and Technology</i> , 2011, 23, 199-214.	1.4	5
20	Aircraft Parabolic Flights: A Gateway to Orbital Microgravity and Extra-Terrestrial Planetary Gravities. , 0, , .		4
21	Subsurface water detection on Mars by astronauts using a seismic refraction method: Tests during a manned Mars mission simulation. <i>Acta Astronautica</i> , 2009, 64, 457-466.	3.2	3
22	Revised exponential distance relation for the Uranian system after the Voyager 2 fly-by. <i>Earth, Moon and Planets</i> , 1988, 41, 295-300.	0.6	2
23	On continued fraction development of quadratic irrationals having all periodic terms but last equal and associated general solutions of the Pell equation. <i>Journal of Number Theory</i> , 2014, 136, 339-353.	0.4	2
24	Gravity, Weight and Their Absence. <i>SpringerBriefs in Physics</i> , 2018, , .	0.7	2
25	Microgravity Research Conducted by Prof. J.C. Legros during Parabolic Flights: Notes on a Historical Perspective. <i>Microgravity Science and Technology</i> , 2019, 31, 445-463.	1.4	2
26	Prevalence of Fibonacci numbers in orbital period ratios in solar planetary and satellite systems and in exoplanetary systems. <i>Astrophysics and Space Science</i> , 2019, 364, 1.	1.4	2
27	Experimental Characterization of Weightlessness During Glider Parabolic Flights. <i>Microgravity Science and Technology</i> , 2020, 32, 1121-1132.	1.4	2
28	Notes on an initial satellite system of Neptune. <i>Earth, Moon and Planets</i> , 1989, 46, 285-295.	0.6	1
29	European facilities for the study of zeolite formation on the international space station. <i>Studies in Surface Science and Catalysis</i> , 2004, 154, 139-146.	1.5	1
30	General solutions of sums of consecutive cubed integers equal to squared integers. <i>Journal of Number Theory</i> , 2015, 156, 394-413.	0.4	1
31	Non-randomness of exponential distance relation in the planetary system: An answer to Lecar. <i>Advances in Space Research</i> , 2017, 60, 2314-2318.	2.6	1
32	Commercial Spaceflight Preparation and Extravehicular Activities Training: The Next Generation. <i>New Space</i> , 2019, 7, 120-125.	0.8	1
33	Recurrent relations for triangular numbers multiples of other triangular numbers. <i>Indian Journal of Pure and Applied Mathematics</i> , 0, , 1.	0.5	1
34	Developing Scientific Ground Models of the Protein Crystallisation Diagnostics Facility to Prepare for Protein Crystallisation Investigations on Board the International Space Station. , 2003, , .		1
35	Is the Probability of Tossing a Coin Really 50%? Part 1: Static Model and Dynamic Models without Rebounds. <i>Foundations</i> , 2022, 2, 547-560.	1.3	1
36	Role of the astronaut in operating the Advanced Fluid Physics Module. <i>Acta Astronautica</i> , 1995, 36, 217-229.	3.2	0

#	ARTICLE	IF	CITATIONS
37	The Bubble, Drop, Particle Unit on spacelab LMS, nominal and troubleshooting operations. Acta Astronautica, 1997, 40, 639-654.	3.2	0
38	Reply to the comment of Robert E. Grimm and David E. Stillman on "Subsurface water detection on mars by astronauts using a seismic refraction method: Tests during a manned mars simulation". Acta Astronautica, 2009, 64, 656-657.	3.2	0