

Sergei Ivanovich Ipatov

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

1,599
citations

471509

17
h-index

315739

38
g-index

65
all docs

65
docs citations

65
times ranked

1361
citing authors

#	ARTICLE	IF	CITATIONS
1	Migration processes in the Solar System and their role in the evolution of the Earth and planets. <i>Physics-Uspexhi</i> , 2023, 66, 2-31.	2.2	8
2	Depths of Copernican Craters on Lunar Maria and Highlands. <i>Earth, Moon and Planets</i> , 2021, 125, 1.	0.6	4
3	Formation of the Earth and Moon: Influence of Small Bodies. <i>Geochemistry International</i> , 2021, 59, 1010-1017.	0.7	5
4	Number of Near-Earth Objects and Formation of Lunar Craters over the Last Billion Years. <i>Solar System Research</i> , 2020, 54, 384-404.	0.7	5
5	Probabilities of Collisions of Planetesimals from Different Regions of the Feeding Zone of the Terrestrial Planets with the Forming Planets and the Moon. <i>Solar System Research</i> , 2019, 53, 332-361.	0.7	7
6	Formation of Embryos of the Earth and the Moon from a Common Rarefied Condensation and Their Subsequent Growth. <i>Solar System Research</i> , 2018, 52, 401-416.	0.7	6
7	Formation of the Earth-Moon system. <i>Proceedings of the International Astronomical Union</i> , 2018, 14, 148-151.	0.0	0
8	Water inventory from beyond the Jupiter's orbit to the terrestrial planets and the Moon. <i>Proceedings of the International Astronomical Union</i> , 2018, 14, 164-167.	0.0	1
9	Near-Earth object population and formation of lunar craters during the last billion of years. <i>Proceedings of the International Astronomical Union</i> , 2018, 14, 299-300.	0.0	1
10	Delivery of Water and Volatiles to the Terrestrial Planets and the Moon. <i>Solar System Research</i> , 2018, 52, 392-400.	0.7	14
11	Origin of orbits of secondaries in the discovered trans-Neptunian binaries. <i>Solar System Research</i> , 2017, 51, 409-416.	0.7	5
12	Formation of trans-Neptunian satellite systems at the stage of condensations. <i>Solar System Research</i> , 2017, 51, 294-314.	0.7	8
13	OGLE-2012-BLG-0563Lb: A SATURN-MASS PLANET AROUND AN M DWARF WITH THE MASS CONSTRAINED BY SUBARU AO IMAGING. <i>Astrophysical Journal</i> , 2015, 809, 74.	4.5	66
14	A census of variability in globular cluster M68 (NGC 4590). <i>Astronomy and Astrophysics</i> , 2015, 578, A128.	5.1	21
15	MOA-2013-BLG-220Lb: MASSIVE PLANETARY COMPANION TO GALACTIC-DISK HOST. <i>Astrophysical Journal</i> , 2014, 790, 14.	4.5	18
16	A SUPER-JUPITER ORBITING A LATE-TYPE STAR: A REFINED ANALYSIS OF MICROLENSING EVENT OGLE-2012-BLG-0406. <i>Astrophysical Journal</i> , 2014, 782, 48.	4.5	42
17	MICROLENSING DISCOVERY OF A TIGHT, LOW-MASS-RATIO PLANETARY-MASS OBJECT AROUND AN OLD FIELD BROWN DWARF. <i>Astrophysical Journal</i> , 2013, 778, 38.	4.5	79
18	INTERPRETATION OF A SHORT-TERM ANOMALY IN THE GRAVITATIONAL MICROLENSING EVENT MOA-2012-BLG-486. <i>Astrophysical Journal</i> , 2013, 778, 55.	4.5	36

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19	MOA-2010-BLG-073L: AN M-DWARF WITH A SUBSTELLAR COMPANION AT THE PLANET/BROWN DWARF BOUNDARY. <i>Astrophysical Journal</i> , 2013, 763, 67.	4.5	54
20	A giant planet beyond the snow line in microlensing event OGLE-2011-BLG-0251. <i>Astronomy and Astrophysics</i> , 2013, 552, A70.	5.1	30
21	Simulator for Microlens Planet Surveys. <i>Proceedings of the International Astronomical Union</i> , 2012, 8, 416-419.	0.0	0
22	Location of the upper border of the cavity excavated after the Deep Impact collision. <i>Proceedings of the International Astronomical Union</i> , 2012, 10, 157-157.	0.0	0
23	Angular Momenta of Collided Rarefied Preplanetesimals. <i>Proceedings of the International Astronomical Union</i> , 2012, 8, 285-288.	0.0	2
24	MICROLENSING BINARIES WITH CANDIDATE BROWN DWARF COMPANIONS. <i>Astrophysical Journal</i> , 2012, 760, 116.	4.5	39
25	Location of upper borders of cavities containing dust and gas under pressure in comets. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 423, 3474-3477.	4.4	18
26	The outburst triggered by the Deep Impact collision with Comet Tempel 1âˆ™.... <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 414, 76-107.	4.4	31
27	TRIGGERING COLLAPSE OF THE PRESOLAR DENSE CLOUD CORE AND INJECTING SHORT-LIVED RADIOISOTOPES WITH A SHOCK WAVE. I. VARIED SHOCK SPEEDS. <i>Astrophysical Journal</i> , 2010, 708, 1268-1280.	4.5	51
28	The angular momentum of colliding rarefied preplanetesimals and the formation of binaries. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 403, 405-414.	4.4	11
29	Deep Impact ejection from Comet 9P/Tempel 1 as a triggered outburst. <i>Proceedings of the International Astronomical Union</i> , 2009, 5, 317-321.	0.0	0
30	Angular momentum of two collided rarefied preplanetesimals and formation of binaries. <i>Proceedings of the International Astronomical Union</i> , 2009, 5, 37-40.	0.0	0
31	Collision probabilities of migrating small bodies and dust particles with planets. <i>Proceedings of the International Astronomical Union</i> , 2009, 5, 41-44.	0.0	1
32	Dynamical zodiacal cloud models constrained by high resolution spectroscopy of the zodiacal light. <i>Icarus</i> , 2008, 194, 769-788.	2.5	22
33	Invited Article: Deep Impact instrument calibration. <i>Review of Scientific Instruments</i> , 2008, 79, 091301.	1.3	36
34	Simultaneous Triggered Collapse of the Presolar Dense Cloud Core and Injection of Short-Lived Radioisotopes by a Supernova Shock Wave. <i>Astrophysical Journal</i> , 2008, 686, L119-L122.	4.5	64
35	Automatic removal of cosmic ray signatures in Deep Impact images. <i>Advances in Space Research</i> , 2007, 40, 160-172.	2.6	6
36	Migration of comets to the terrestrial planets. <i>Proceedings of the International Astronomical Union</i> , 2006, 2, 55-64.	0.0	0

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37	Migration of small bodies and dust to near-Earth space. <i>Advances in Space Research</i> , 2006, 37, 126-137.	2.6	16
38	Deep Impact: Excavating Comet Tempel 1. <i>Science</i> , 2005, 310, 258-264.	12.6	728
39	Migration of Dust Particles and Delivery of Volatiles to the Terrestrial Planets. <i>Solar System Research</i> , 2005, 39, 374-380.	0.7	9
40	Migration of trans-Neptunian objects to the Earth. <i>Astronomical and Astrophysical Transactions</i> , 2005, 24, 35-38.	0.2	0
41	Migration of Celestial Bodies in the Solar System. Symposium - International Astronomical Union, 2004, 202, 190-192.	0.1	1
42	Migration Processes and Volatiles Delivery. Symposium - International Astronomical Union, 2004, 213, 295-298.	0.1	1
43	Formation and Migration of Trans-Neptunian Objects. <i>AIP Conference Proceedings</i> , 2004, , .	0.4	1
44	Migration of Jupiter-Family Comets and Resonant Asteroids to Near-Earth Space. <i>Annals of the New York Academy of Sciences</i> , 2004, 1017, 46-65.	3.8	18
45	Migration of Interplanetary Dust. <i>Annals of the New York Academy of Sciences</i> , 2004, 1017, 66-80.	3.8	9
46	Comet and asteroid hazard to the terrestrial planets. <i>Advances in Space Research</i> , 2004, 33, 1524-1533.	2.6	17
47	Migration of small bodies and dust to the terrestrial planets. <i>Proceedings of the International Astronomical Union</i> , 2004, 2004, 399-404.	0.0	0
48	Migration of Trans-Neptunian Objects to the Terrestrial Planets. , 2004, , 89-98.		0
49	Migration of Trans-Neptunian Objects to the Terrestrial Planets. <i>Earth, Moon and Planets</i> , 2003, 92, 89-98.	0.6	15
50	Migration of matter from the Edgeworth-Kuiper, and main asteroid belts to the Earth. <i>COSPAR Colloquia Series</i> , 2002, 15, 233-236.	0.2	1
51	Comet hazard to the Earth. <i>Advances in Space Research</i> , 2001, 28, 1107-1116.	2.6	16
52	Volatile Inventory and Early Evolution of the Planetary Atmospheres. <i>Astrophysics and Space Science Library</i> , 2001, , 223-247.	2.7	11
53	Migration of Trans-Neptunian Objects to The Earth. <i>International Astronomical Union Colloquium</i> , 1999, 172, 107-116.	0.1	0
54	Migration of Trans-Neptunian Objects to the Earth. <i>Celestial Mechanics and Dynamical Astronomy</i> , 1999, 73, 107-116.	1.4	23

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55	Migration of celestial bodies in the Solar System. <i>Astronomical and Astrophysical Transactions</i> , 1998, 15, 241-247.	0.2	3
56	Migration of small bodies in the solar system. <i>Earth, Moon and Planets</i> , 1996, 72, 211-214.	0.6	3
57	Migration of Bodies in the Accumulation of Planets. , 1995, , 217-219.		2
58	Migration of bodies in the accumulation of planets. <i>Earth, Moon and Planets</i> , 1994, 67, 217-219.	0.6	0
59	Numerical study of the migration of bodies in the formation of the solar system. <i>International Applied Mechanics</i> , 1992, 28, 771-774.	0.6	2
60	Accumulation and migration of the bodies from the zones of giant planets. <i>Earth, Moon and Planets</i> , 1987, 39, 101-128.	0.6	26