Sergei Ivanovich Ipatov

List of Publications by Year
in descending order

60	1,599	471509 17	315739 38
papers	citations	h-index	g-index

65	65	65	1361
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Deep Impact: Excavating Comet Tempel 1. Science, 2005, 310, 258-264.	12.6	728
2	MICROLENSING DISCOVERY OF A TIGHT, LOW-MASS-RATIO PLANETARY-MASS OBJECT AROUND AN OLD FIELD BROWN DWARF. Astrophysical Journal, 2013, 778, 38.	4.5	79
3	OGLE-2012-BLG-0563Lb: A SATURN-MASS PLANET AROUND AN M DWARF WITH THE MASS CONSTRAINED BYSUBARUAO IMAGING. Astrophysical Journal, 2015, 809, 74.	4.5	66
4	Simultaneous Triggered Collapse of the Presolar Dense Cloud Core and Injection of Short-Lived Radioisotopes by a Supernova Shock Wave. Astrophysical Journal, 2008, 686, L119-L122.	4.5	64
5	MOA-2010-BLG-073L: AN M-DWARF WITH A SUBSTELLAR COMPANION AT THE PLANET/BROWN DWARF BOUNDARY. Astrophysical Journal, 2013, 763, 67.	4.5	54
6	TRIGGERING COLLAPSE OF THE PRESOLAR DENSE CLOUD CORE AND INJECTING SHORT-LIVED RADIOISOTOPES WITH A SHOCK WAVE. I. VARIED SHOCK SPEEDS. Astrophysical Journal, 2010, 708, 1268-1280.	4.5	51
7	A SUPER-JUPITER ORBITING A LATE-TYPE STAR: A REFINED ANALYSIS OF MICROLENSING EVENT OGLE-2012-BLG-0406. Astrophysical Journal, 2014, 782, 48.	4.5	42
8	MICROLENSING BINARIES WITH CANDIDATE BROWN DWARF COMPANIONS. Astrophysical Journal, 2012, 760, 116.	4.5	39
9	Invited Article: Deep Impact instrument calibration. Review of Scientific Instruments, 2008, 79, 091301.	1.3	36
10	INTERPRETATION OF A SHORT-TERM ANOMALY IN THE GRAVITATIONAL MICROLENSING EVENT MOA-2012-BLG-486. Astrophysical Journal, 2013, 778, 55.	4.5	36
11	The outburst triggered by the Deep Impact collision with Comet Tempel 1â˜¼. Monthly Notices of the Royal Astronomical Society, 2011, 414, 76-107.	4.4	31
12	A giant planet beyond the snow line in microlensing event OGLE-2011-BLG-0251. Astronomy and Astrophysics, 2013, 552, A70.	5.1	30
13	Accumulation and migration of the bodies from the zones of giant planets. Earth, Moon and Planets, 1987, 39, 101-128.	0.6	26
14	Migration of Trans-Neptunian Objects to the Earth. Celestial Mechanics and Dynamical Astronomy, 1999, 73, 107-116.	1.4	23
15	Dynamical zodiacal cloud models constrained by high resolution spectroscopy of the zodiacal light. Icarus, 2008, 194, 769-788.	2.5	22
16	A census of variability in globular cluster Mâ€‰68 (NGC 4590). Astronomy and Astrophysics, 2015, 578, A128.	5.1	21
17	Migration of Jupiter-Family Comets and Resonant Asteroids to Near-Earth Space. Annals of the New York Academy of Sciences, 2004, 1017, 46-65.	3.8	18
18	Location of upper borders of cavities containing dust and gas under pressure in comets. Monthly Notices of the Royal Astronomical Society, 2012, 423, 3474-3477.	4.4	18

#	Article	IF	Citations
19	MOA-2013-BLG-220Lb: MASSIVE PLANETARY COMPANION TO GALACTIC-DISK HOST. Astrophysical Journal, 2014, 790, 14.	4.5	18
20	Comet and asteroid hazard to the terrestrial planets. Advances in Space Research, 2004, 33, 1524-1533.	2.6	17
21	Comet hazard to the Earth. Advances in Space Research, 2001, 28, 1107-1116.	2.6	16
22	Migration of small bodies and dust to near-Earth space. Advances in Space Research, 2006, 37, 126-137.	2.6	16
23	Migration of Trans-Neptunian Objects to the Terrestrial Planets. Earth, Moon and Planets, 2003, 92, 89-98.	0.6	15
24	Delivery of Water and Volatiles to the Terrestrial Planets and the Moon. Solar System Research, 2018, 52, 392-400.	0.7	14
25	The angular momentum of colliding rarefied preplanetesimals and the formation of binaries. Monthly Notices of the Royal Astronomical Society, 2010, 403, 405-414.	4.4	11
26	Volatile Inventory and Early Evolution of the Planetary Atmospheres. Astrophysics and Space Science Library, 2001, , 223-247.	2.7	11
27	Migration of Interplanetary Dust. Annals of the New York Academy of Sciences, 2004, 1017, 66-80.	3.8	9
28	Migration of Dust Particles and Delivery of Volatiles to the Terrestrial Planets. Solar System Research, 2005, 39, 374-380.	0.7	9
29	Formation of trans-Neptunian satellite systems at the stage of condensations. Solar System Research, 2017, 51, 294-314.	0.7	8
30	Migration processes in the Solar System and their role in the evolution of the Earth and planets. Physics-Uspekhi, 2023, 66, 2-31.	2.2	8
31	Probabilities of Collisions of Planetesimals from Different Regions of the Feeding Zone of the Terrestrial Planets with the Forming Planets and the Moon. Solar System Research, 2019, 53, 332-361.	0.7	7
32	Automatic removal of cosmic ray signatures in Deep Impact images. Advances in Space Research, 2007, 40, 160-172.	2.6	6
33	Formation of Embryos of the Earth and the Moon from a Common Rarefied Condensation and Their Subsequent Growth. Solar System Research, 2018, 52, 401-416.	0.7	6
34	Origin of orbits of secondaries in the discovered trans-Neptunian binaries. Solar System Research, 2017, 51, 409-416.	0.7	5
35	Number of Near-Earth Objects and Formation of Lunar Craters over the Last Billion Years. Solar System Research, 2020, 54, 384-404.	0.7	5
36	Formation of the Earth and Moon: Influence of Small Bodies. Geochemistry International, 2021, 59, 1010-1017.	0.7	5

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37	Depths of Copernican Craters on Lunar Maria and Highlands. Earth, Moon and Planets, 2021, 125, 1.	0.6	4
38	Migration of small bodies in the solar system. Earth, Moon and Planets, 1996, 72, 211-214.	0.6	3
39	Migration of celestial bodies in the Solar System. Astronomical and Astrophysical Transactions, 1998, 15, 241-247.	0.2	3
40	Numerical study of the migration of bodies in the formation of the solar system. International Applied Mechanics, 1992, 28, 771-774.	0.6	2
41	Angular Momenta of Collided Rarefied Preplanetesimals. Proceedings of the International Astronomical Union, 2012, 8, 285-288.	0.0	2
42	Migration of Bodies in the Accumulation of Planets. , 1995, , 217-219.		2
43	Migration of matter from the Edgeworth-Kuiper, and main asteroid belts to the Earth. COSPAR Colloquia Series, 2002, 15, 233-236.	0.2	1
44	Migration of Celestial Bodies in the Solar System. Symposium - International Astronomical Union, 2004, 202, 190-192.	0.1	1
45	Migration Processes and Volatiles Delivery. Symposium - International Astronomical Union, 2004, 213, 295-298.	0.1	1
46	Formation and Migration of Trans-Neptunian Objects. AIP Conference Proceedings, 2004, , .	0.4	1
47	Collision probabilities of migrating small bodies and dust particles with planets. Proceedings of the International Astronomical Union, 2009, 5, 41-44.	0.0	1
48	Water inventory from beyond the Jupiterâ€™s orbit to the terrestrial planets and the Moon. Proceedings of the International Astronomical Union, 2018, 14, 164-167.	0.0	1
49	Near-Earth object population and formation of lunar craters during the last billion of years. Proceedings of the International Astronomical Union, 2018, 14, 299-300.	0.0	1
50	Migration of bodies in the accumulation of planets. Earth, Moon and Planets, 1994, 67, 217-219.	0.6	0
51	Migration of Trans-Neptunian Objects to The Earth. International Astronomical Union Colloquium, 1999, 172, 107-116.	0.1	0
52	Migration of small bodies and dust to the terrestrial planets. Proceedings of the International Astronomical Union, 2004, 2004, 399-404.	0.0	0
53	Migration of trans-Neptunian objects to the Earth. Astronomical and Astrophysical Transactions, 2005, 24, 35-38.	0.2	0
54	Migration of comets to the terrestrial planets. Proceedings of the International Astronomical Union, 2006, 2, 55-64.	0.0	0

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55	Deep Impact ejection from Comet 9P/Tempel 1 as a triggered outburst. Proceedings of the International Astronomical Union, 2009, 5, 317-321.	0.0	0
56	Angular momentum of two collided rarefied preplanetesimals and formation of binaries. Proceedings of the International Astronomical Union, 2009, 5, 37-40.	0.0	0
57	Simulator for Microlens Planet Surveys. Proceedings of the International Astronomical Union, 2012, 8, 416-419.	0.0	0
58	Location of the upper border of the cavity excavated after the Deep Impact collision. Proceedings of the International Astronomical Union, 2012, 10, 157-157.	0.0	0
59	Formation of the Earth-Moon system. Proceedings of the International Astronomical Union, 2018, 14, 148-151.	0.0	0
60	Migration of Trans-Neptunian Objects to the Terrestrial Planets. , 2004, , 89-98.		0