

# Masateru Ishiguro

## List of Publications by Year in descending order

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151  
papers

5,800  
citations

109321

35  
h-index

82547

72  
g-index

152  
all docs

152  
docs citations

152  
times ranked

3600  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Infrared Astronomical Mission AKARI. Publication of the Astronomical Society of Japan, 2007, 59, S369-S376.	2.5	663
2	Hayabusa2 arrives at the carbonaceous asteroid 162173 Ryugu—A spinning top—shaped rubble pile. Science, 2019, 364, 268-272.	12.6	410
3	Touchdown of the Hayabusa Spacecraft at the Muses Sea on Itokawa. Science, 2006, 312, 1350-1353.	12.6	349
4	The geomorphology, color, and thermal properties of Ryugu: Implications for parent-body processes. Science, 2019, 364, 252.	12.6	313
5	Regolith Migration and Sorting on Asteroid Itokawa. Science, 2007, 316, 1011-1014.	12.6	271
6	Detailed Images of Asteroid 25143 Itokawa from Hayabusa. Science, 2006, 312, 1341-1344.	12.6	234
7	Characterizing and navigating small bodies with imaging data. Meteoritics and Planetary Science, 2008, 43, 1049-1061.	1.6	209
8	Asteroid Catalog Using AKARI: AKARI/IRC Mid-Infrared Asteroid Survey. Publication of the Astronomical Society of Japan, 2011, 63, 1117-1138.	2.5	165
9	<i>AKARI</i> NEAR-INFRARED SPECTROSCOPIC SURVEY FOR CO <sub>2</sub> IN 18 COMETS. Astrophysical Journal, 2012, 752, 15.	4.5	157
10	Size-frequency statistics of boulders on global surface of asteroid 25143 Itokawa. Earth, Planets and Space, 2008, 60, 13-20.	2.5	121
11	Hayabusa2: Scientific importance of samples returned from C-type near-Earth asteroid (162173) 1999 JU <sub>3</sub> . Geochemical Journal, 2014, 48, 571-587.	1.0	103
12	Highly porous nature of a primitive asteroid revealed by thermal imaging. Nature, 2020, 579, 518-522.	27.8	100
13	Developing space weathering on the asteroid 25143 Itokawa. Nature, 2006, 443, 56-58.	27.8	97
14	Samples returned from the asteroid Ryugu are similar to Ivuna-type carbonaceous meteorites. Science, 2023, 379, .	12.6	97
15	THE 2014 ALMA LONG BASELINE CAMPAIGN: AN OVERVIEW. Astrophysical Journal Letters, 2015, 808, L1.	8.3	90
16	Pebbles and sand on asteroid (162173) Ryugu: In situ observation and particles returned to Earth. Science, 2022, 375, 1011-1016.	12.6	78
17	Hayabusa-2 mission target asteroid 162173 Ryugu (1999 JU <sub>3</sub> ): Searching for the object's spin-axis orientation. Astronomy and Astrophysics, 2017, 599, A103.	5.1	77
18	On the origin and evolution of the asteroid Ryugu: A comprehensive geochemical perspective. Proceedings of the Japan Academy Series B: Physical and Biological Sciences, 2022, 98, 227-282.	3.8	77

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19	ALBEDO PROPERTIES OF MAIN BELT ASTEROIDS BASED ON THE ALL-SKY SURVEY OF THE INFRARED ASTRONOMICAL SATELLITE <i>AKARI</i>. <i>Astrophysical Journal</i> , 2013, 762, 56.	4.5	66
20	PHYSICAL PROPERTIES OF MAIN-BELT COMET P/2005 U1 (READ). <i>Astronomical Journal</i> , 2009, 137, 157-168.	4.7	62
21	<i>HUBBLE SPACE TELESCOPE</i> INVESTIGATION OF MAIN-BELT COMET 133P/ELST-PIZARRO. <i>Astronomical Journal</i> , 2014, 147, 117.	4.7	60
22	Dark red debris from three short-period comets: 2P/Encke, 22P/Kopff, and 65P/Gunn. <i>Icarus</i> , 2007, 189, 169-183.	2.5	59
23	Cometary dust trail associated with Rosetta mission target: 67P/Churyumovâ€“Gerasimenko. <i>Icarus</i> , 2008, 193, 96-104.	2.5	55
24	First Detection of an Optical Dust Trail along the Orbit of 22P/Kopff. <i>Astrophysical Journal</i> , 2002, 572, L117-L120.	4.5	49
25	Thermally altered subsurface material of asteroid (162173) Ryugu. <i>Nature Astronomy</i> , 2021, 5, 246-250.	10.1	47
26	OBSERVATIONAL EVIDENCE FOR AN IMPACT ON THE MAIN-BELT ASTEROID (596) SCHEILA. <i>Astrophysical Journal Letters</i> , 2011, 740, L11.	8.3	45
27	OPTICAL PROPERTIES OF (162173) 1999 JU3: IN PREPARATION FOR THE JAXA<i>HAYABUSA 2</i> SAMPLE RETURN MISSION. <i>Astrophysical Journal</i> , 2014, 792, 74.	4.5	45
28	Discovery of a rotating protoplanetary gas disk around the young star GG Tauri. <i>Astrophysical Journal</i> , 1993, 404, L63.	4.5	45
29	Global mapping of the degree of space weathering on asteroid 25143 Itokawa by Hayabusa/AMICA observations. <i>Meteoritics and Planetary Science</i> , 2007, 42, 1791-1800.	1.6	43
30	INTERPRETATION OF (596) SCHEILA'S TRIPLE DUST TAILS. <i>Astrophysical Journal Letters</i> , 2011, 741, L24.	8.3	43
31	Spectral and rotational properties of near-Earth asteroid (162173) Ryugu, target of the Hayabusa2 sample return mission. <i>Astronomy and Astrophysics</i> , 2017, 599, L1.	5.1	43
32	Collisional history of Ryuguâ€™s parent body from bright surface boulders. <i>Nature Astronomy</i> , 2021, 5, 39-45.	10.1	42
33	The Hayabusa Spacecraft Asteroid Multi-band Imaging Camera (AMICA). <i>Icarus</i> , 2010, 207, 714-731.	2.5	38
34	PHYSICAL PROPERTIES OF MAIN-BELT COMET 176P/LINEAR. <i>Astronomical Journal</i> , 2011, 142, 29.	4.7	38
35	Global photometric properties of (162173) Ryugu. <i>Astronomy and Astrophysics</i> , 2020, 639, A83.	5.1	37
36	Impact process of boulders on the surface of asteroid 25143 Itokawaâ€™s fragments from collisional disruption. <i>Earth, Planets and Space</i> , 2008, 60, 7-12.	2.5	36

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37	Extremely strong polarization of an active asteroid (3200) Phaethon. <i>Nature Communications</i> , 2018, 9, 2486.	12.8	34
38	Physical characteristics of Hayabusa target Asteroid 25143 Itokawa. <i>Icarus</i> , 2005, 173, 153-165.	2.5	32
39	Maximum Visible Polarization of 4179 Toutatis in the Apparition of 1996. <i>Publication of the Astronomical Society of Japan</i> , 1997, 49, L31-L34.	2.5	30
40	Saturated Hydrocarbons in Comet 153P/Keyhole: Ethane, Methane, and Monodeuterio-Methane. <i>Astrophysical Journal</i> , 2003, 590, 573-578.	4.5	30
41	PHYSICAL PROPERTIES OF ASTEROIDS IN COMET-LIKE ORBITS IN INFRARED ASTEROID SURVEY CATALOGS. <i>Astrophysical Journal</i> , 2014, 789, 151.	4.5	30
42	ORIGIN OF INTERPLANETARY DUST THROUGH OPTICAL PROPERTIES OF ZODIACAL LIGHT. <i>Astrophysical Journal</i> , 2015, 813, 87.	4.5	30
43	Anomalously porous boulders on (162173) Ryugu as primordial materials from its parent body. <i>Nature Astronomy</i> , 2021, 5, 766-774.	10.1	30
44	A polarimetric study of Asteroid 25143 Itokawa. <i>Icarus</i> , 2005, 179, 297-303.	2.5	29
45	First Detection of Visible Zodiacal Dust Bands from Ground-based Observations. <i>Astrophysical Journal</i> , 1999, 511, 432-435.	4.5	28
46	Discovery of the Dust Trail of the Stardust Comet Sample Return Mission Target: 81P/Wild 2. <i>Astrophysical Journal</i> , 2003, 589, L101-L104.	4.5	27
47	LARGE PARTICLES IN ACTIVE ASTEROID P/2010 A2. <i>Astrophysical Journal Letters</i> , 2013, 764, L5.	8.3	27
48	Aperture Synthesis 12CO and 13CO Observations of DM Tauri: 350 AU Radius Circumstellar Gas Disk. <i>Astrophysical Journal</i> , 1995, 453, 384.	4.5	27
49	Molecular gas bar and expanding molecular ring in the nucleus of the spiral galaxy Maffei 2. <i>Astrophysical Journal</i> , 1989, 344, 763.	4.5	26
50	The morphology and brightness of the zodiacal light and gegenschein. <i>Monthly Notices of the Royal Astronomical Society</i> , 1997, 288, 1022-1026.	4.4	25
51	Robust and precise length stabilization of a 25-km long optical fiber using an optical interferometric method with a digital phase-frequency discriminator. <i>Applied Physics B: Lasers and Optics</i> , 2006, 82, 555-559.	2.2	25
52	FRAGMENTATION KINEMATICS IN COMET 332P/IKEYA-MURAKAMI. <i>Astrophysical Journal Letters</i> , 2016, 829, L8.	8.3	25
53	2006 Fragmentation of Comet 73P/Schwassmann-Wachmann 3B observed with Subaru/Suprime-Cam. <i>Icarus</i> , 2009, 203, 560-570.	2.5	24
54	2007 OUTBURST OF 17P/HOLMES: THE ALBEDO AND THE TEMPERATURE OF THE DUST GRAINS. <i>Astrophysical Journal</i> , 2010, 714, 1324-1333.	4.5	24

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55	Nuclear concentration of molecular gas in the late-type spiral galaxy NGC 6946 - 300 parsec scale gaseous disk. <i>Astrophysical Journal</i> , 1990, 355, 436.	4.5	24
56	Output power measurement of photonic millimetre-wave and sub-millimetre-wave emitter at 100–800 GHz. <i>Electronics Letters</i> , 2002, 38, 798.	1.0	23
57	Surface morphological features of boulders on Asteroid 25143 Itokawa. <i>Icarus</i> , 2010, 206, 319-326.	2.5	22
58	Near-Infrared Observations of MUSES-C Mission Target. <i>Publication of the Astronomical Society of Japan</i> , 2003, 55, 691-699.	2.5	21
59	Subaru Infrared Spectroscopy of the Pluto–Charon System. <i>Publication of the Astronomical Society of Japan</i> , 2000, 52, 551-556.	2.5	20
60	DETECTION OF PARENT H <sub>2</sub> O AND CO <sub>2</sub> MOLECULES IN THE 2.5–5 μm SPECTRUM OF COMET C/2007 N3 (LULIN) OBSERVED WITH AKARI. <i>Astrophysical Journal Letters</i> , 2010, 717, L66-L70.	8.3	20
61	Anisotropic Ejection from Active Asteroid P/2010 A2: An Implication of Impact Shattering on an Asteroid*. <i>Astronomical Journal</i> , 2017, 153, 228.	4.7	20
62	Rendezvous to asteroid with highly uncertain ephemeris: Hayabusa2's Ryugu-approach operation result. <i>Astrodynamic</i> , 2020, 4, 137-147.	2.4	20
63	Hayabusa2 extended mission: New voyage to rendezvous with a small asteroid rotating with a short period. <i>Advances in Space Research</i> , 2021, 68, 1533-1555.	2.6	20
64	Aperture synthesis CO (J = 3-2) observations of a protogalaxy candidate IRAS F10214+4724. <i>Astrophysical Journal</i> , 1992, 397, L23.	4.5	20
65	Discovery of Two TNO-like Bodies in the Asteroid Belt. <i>Astrophysical Journal Letters</i> , 2021, 916, L6.	8.3	19
66	The Discovery of a Faint Glow of Scattered Sunlight from the Dust Trail of the Leonid Parent Comet 55P/Tempel–Tuttle. <i>Astrophysical Journal</i> , 2000, 540, 1172-1176.	4.5	18
67	A comparative study of infrared asteroid surveys: IRAS, AKARI, and WISE. <i>Publication of the Astronomical Society of Japan</i> , 2014, 66, .	2.5	18
68	Interferometric observations for oxygen-containing organic molecules toward Orion-KL. <i>Astrophysical Journal</i> , 1993, 411, 773.	4.5	18
69	Visible-wavelength spectroscopy of subkilometer-sized near-Earth asteroids with a low delta-v. <i>Publication of the Astronomical Society of Japan</i> , 2014, 66, .	2.5	17
70	SEARCH FOR THE COMET ACTIVITY OF 107P/(4015) WILSON-HARRINGTON DURING THE 2009/2010 APPARITION. <i>Astrophysical Journal</i> , 2011, 726, 101.	4.5	16
71	HIGH-RESOLUTION IMAGING OF THE GEGENSCHNEIDUNG AND THE GEOMETRIC ALBEDO OF INTERPLANETARY DUST. <i>Astrophysical Journal</i> , 2013, 767, 75.	4.5	16
72	UKIRT Widefield Infrared Survey for Fe+. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 443, 2650-2660.	4.4	16

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73	OUTBURSTING COMET P/2010 V1 (IKEYA-MURAKAMI): A MINIATURE COMET HOLMES. <i>Astrophysical Journal</i> , 2014, 787, 55.	4.5	16
74	DUST FROM COMET 209P/LINEAR DURING ITS 2014 RETURN: PARENT BODY OF A NEW METEOR SHOWER, THE MAY CAMELOPARDALIDS. <i>Astrophysical Journal Letters</i> , 2015, 798, L34.	8.3	16
75	2014â€“2015 MULTIPLE OUTBURSTS OF 15P/FINLAY. <i>Astronomical Journal</i> , 2016, 152, 169.	4.7	16
76	Optical observations of NEA 3200 Phaethon (1983 TB) during the 2017 apparition. <i>Astronomy and Astrophysics</i> , 2018, 619, A123.	5.1	16
77	Polarimetric Study of Near-Earth Asteroid (1566) Icarus. <i>Astronomical Journal</i> , 2017, 154, 180.	4.7	15
78	High-resolution observations of CO from the bipolar nebula CRL 2688. <i>Astrophysical Journal</i> , 1987, 314, 322.	4.5	15
79	Subaru/COMICS Mid-Infrared Observation of the Near-Nucleus Region of Comet 17P/Holmes at the Early Phase of an Outburst. <i>Publication of the Astronomical Society of Japan</i> , 2009, 61, 679-685.	2.5	14
80	Report on the Kiso cometary dust trail survey. <i>Advances in Space Research</i> , 2009, 43, 875-879.	2.6	14
81	The 2016 Reactivations of the Main-belt Comets 238P/Read and 288P/(300163) 2006 VW <sub>139</sub> *. <i>Astronomical Journal</i> , 2018, 156, 223.	4.7	14
82	MULTIBAND OPTICAL OBSERVATION OF THE P/2010 A2 DUST TAIL. <i>Astrophysical Journal Letters</i> , 2012, 746, L11.	8.3	13
83	Optical observations of NEA 162173 (1999 JU3) during the 2011-2012 apparition. <i>Astronomy and Astrophysics</i> , 2013, 550, L11.	5.1	13
84	Detection of a Long-Extended Dust Trail Associated with Short-Period Comet 4P/Faye in 2006 Return. <i>Publication of the Astronomical Society of Japan</i> , 2007, 59, L25-L28.	2.5	12
85	COMET 17P/HOLMES: CONTRAST IN ACTIVITY BETWEEN BEFORE AND AFTER THE 2007 OUTBURST. <i>Astrophysical Journal</i> , 2013, 778, 19.	4.5	12
86	OPTICAL AND NEAR-INFRARED POLARIMETRY FOR A HIGHLY DORMANT COMET 209P/LINEAR. <i>Astrophysical Journal</i> , 2015, 814, 156.	4.5	12
87	Optical and Near-infrared Polarimetry of Non-periodic Comet C/2013 US10 (Catalina). <i>Astronomical Journal</i> , 2017, 154, 173.	4.7	12
88	Comet 9P/Tempel 1: Interpretation with the <i>Deep Impact</i> Results. <i>Astrophysical Journal</i> , 2008, 673, L199-L202.	4.5	11
89	Photometric observations of 107P/Wilsonâ€“Harrington. <i>Icarus</i> , 2011, 215, 17-26.	2.5	11
90	SEARCH FOR THE RETURN OF ACTIVITY IN ACTIVE ASTEROID 176P/LINEAR. <i>Astronomical Journal</i> , 2014, 147, 89.	4.7	11

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91	Comparative Studies of Visible and IRAS Interplanetary Dust Bands. Publication of the Astronomical Society of Japan, 1999, 51, 363-366.	2.5	10
92	Q-type asteroids: Possibility of non-fresh weathered surfaces. Publication of the Astronomical Society of Japan, 2019, 71, .	2.5	10
93	Pole orientation and triaxial ellipsoid shape of (25143) 1998 SF36, a target asteroid of the MUSES-C* mission. Earth, Planets and Space, 2003, 55, 341-347.	2.5	9
94	Searching satellites of asteroid Itokawa by imaging observation with Hayabusa spacecraft. Earth, Planets and Space, 2008, 60, 33-37.	2.5	9
95	Evolution of Cometary Dust Particles to the Orbit of the Earth: Particle Size, Shape, and Mutual Collisions. Astrophysical Journal, 2018, 854, 173.	4.5	9
96	Physical properties of near-Earth asteroids with a low delta- $\langle i \rangle / i$ : Survey of target candidates for the Hayabusa2 mission. Publication of the Astronomical Society of Japan, 2018, 70, .	2.5	9
97	The isophote maps of the Gegenschein obtained by CCD observations. Earth, Planets and Space, 1998, 50, 477-480.	2.5	8
98	Cryogenically cooled K&Circuml;band high electron mobility transistor receiver for radio astronomical observation. Review of Scientific Instruments, 1987, 58, 379-382.	1.3	7
99	The opposition effect of the asteroid 4 Vesta. Publication of the Astronomical Society of Japan, 2014, 66, .	2.5	7
100	INFRARED AND OPTICAL IMAGINGS OF THE COMET 2P/ENCKE DUST CLOUD IN THE 2003 RETURN. Astrophysical Journal, 2015, 804, 127.	4.5	7
101	New Observational Evidence of Active Asteroid P/2010 A2: Slow Rotation of the Largest Fragment. Astrophysical Journal Letters, 2017, 842, L23.	8.3	7
102	Spectral decomposition of asteroid Itokawa based on principal component analysis. Icarus, 2018, 299, 386-395.	2.5	7
103	Significantly high polarization degree of the very low-albedo asteroid (152679) 1998 KU<sub>2</sub>. Astronomy and Astrophysics, 2018, 611, A31.	5.1	7
104	The Reactivation and Nucleus Characterization of Main-belt Comet 358P/PANSTARRS (P/2012 T1). Astronomical Journal, 2018, 156, 39.	4.7	7
105	Polarimetric properties of the near-Sun asteroid (155140) 2005 UD in comparison with other asteroids and meteoritic samples. Monthly Notices of the Royal Astronomical Society, 2021, 509, 4128-4142.	4.4	7
106	The Appearance of a "Fresh" Surface on 596 Scheila as a Consequence of the 2010 Impact Event. Astrophysical Journal Letters, 2022, 924, L9.	8.3	7
107	Near-infrared colors of asteroid 2012&#x2013;DA14 at its closest approach to Earth: Observations with the Nishiharima Infrared Camera (NIC). Publication of the Astronomical Society of Japan, 2014, 66, .	2.5	6
108	Lightcurve survey of V-type asteroids in the inner asteroid belt. Publication of the Astronomical Society of Japan, 2014, 66, .	2.5	6

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109	Near-infrared polarimetric study of near-Earth object 252P/LINEAR: an implication of scattered light from the evolved dust particles. <i>Astronomy and Astrophysics</i> , 2019, 629, A121.	5.1	6
110	Implications of High Polarization Degree for the Surface State of Ryugu. <i>Astrophysical Journal Letters</i> , 2021, 911, L24.	8.3	6
111	Polarimetric signature of the oceans as detected by near-infrared Earthshine observations. <i>Astronomy and Astrophysics</i> , 2021, 653, A99.	5.1	6
112	(3200) Phaethon polarimetry in the negative branch: new evidence for the anhydrous nature of the <i>DESTINY</i>+ target asteroid. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2022, 516, L53-L57.	3.3	6
113	OUTBURST OF COMET 217P/LINEAR. <i>Astrophysical Journal Letters</i> , 2010, 724, L118-L121.	8.3	5
114	<i>AKARI</i>/AcuA PHYSICAL STUDIES OF THE CYBELE ASTEROID FAMILY. <i>Astronomical Journal</i> , 2012, 143, 141.	4.7	5
115	Scattered light correction of Hayabusa/AMICA data and quantitative spectral comparisons of Itokawa. <i>Publication of the Astronomical Society of Japan</i> , 2014, 66, 55-55.	2.5	5
116	DETECTION OF REMNANT DUST CLOUD ASSOCIATED WITH THE 2007 OUTBURST OF 17P/HOLMES. <i>Astrophysical Journal</i> , 2016, 817, 77.	4.5	5
117	High polarization degree of the continuum of comet 2P/Encke based on spectropolarimetric signals during its 2017 apparition. <i>Astronomy and Astrophysics</i> , 2018, 620, A161.	5.1	5
118	Thermal radiation pressure as a possible mechanism for losing small particles on asteroids. <i>Astronomy and Astrophysics</i> , 2021, 654, A113.	5.1	5
119	The influence of the brightness of the asteroidal dust bands on the gegenschein. <i>Icarus</i> , 2003, 162, 337-343.	2.5	4
120	Collisional process on Comet 9/P Tempel 1: Mass loss of its dust and ice by impacts of asteroidal objects and its collisional history. <i>Earth, Planets and Space</i> , 2010, 62, 5-11.	2.5	4
121	MONITORING OBSERVATIONS OF THE JUPITER-FAMILY COMET 17P/HOLMES DURING ITS 2014 PERIHELION PASSAGE. <i>Astrophysical Journal</i> , 2016, 818, 67.	4.5	4
122	Polarimetric and photometric observations of NEAs; (422699) 2000 PD3 and (3200) Phaethon with the 1.6m Pirka telescope. <i>Planetary and Space Science</i> , 2020, 180, 104774.	1.7	4
123	(85989) 1999 JD <sub>6</sub> : a first Barbarian asteroid detected by polarimetry in the NEA population. <i>Astronomy and Astrophysics</i> , 2021, 646, A51.	5.1	4
124	Asymmetric Dust Jets and Extended Structure of 22P/Kopff Observed During 2009 Appearance. <i>Publication of the Astronomical Society of Japan</i> , 2012, 64, .	2.5	3
125	Thermal Modeling of Comet-like Objects from AKARI Observation. <i>Astronomical Journal</i> , 2017, 154, 202.	4.7	3
126	The Reactivation of Main-belt Comet 259P/Garradd (P/2008 R1). <i>Planetary Science Journal</i> , 2021, 2, 62.	3.6	3



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127	Application of an estimator-free information criterion ( <i>WIC</i> ) to aperture synthesis imaging. International Astronomical Union Colloquium, 1991, 131, 243-248.	0.1	2
128	1.7-Resolution CO(1-0) Observations of ARP220: Nuclear Gas Ring of Merger Remnant. International Astronomical Union Colloquium, 1994, 140, 376-378.	0.1	2
129	The Large Millimeter Array. International Astronomical Union Colloquium, 1994, 140, 405-412.	0.1	2
130	Brightness distribution of zodiacal light observed by a cooled CCD camera at Mauna Kea. COSPAR Colloquia Series, 2002, 15, 103-106.	0.2	2
131	Opposition effect on S-type asteroid (25143) Itokawa. Astronomy and Astrophysics, 2018, 616, A178.	5.1	2
132	Shape and Rotational Motion Models for Tumbling and Monolithic Asteroid 2012 TC <sub>4</sub> : High Time Resolution Light Curve with the Tomo-e Gozen Camera. Astronomical Journal, 2019, 157, 155.	4.7	2
133	A polarimetric study of asteroids in comet-like orbits. Astronomy and Astrophysics, 2022, 658, A158.	5.1	2
134	Radio Continuum around NGC 7538-IRS 1. Publications of the Astronomical Society of Australia, 1991, 9, 118-119.	3.4	1
135	Expanding Hemisphere in Orion-KL Hot Core - CS(2-1) Observation with NMA. International Astronomical Union Colloquium, 1994, 140, 236-237.	0.1	1
136	New Approach to Study Non-Gravitational Motion of a Comet Normal to the Orbital Plane. Publication of the Astronomical Society of Japan, 2007, 59, L7-L10.	2.5	1
137	DIVISION III: COMMISSION 22: METEORS, METEORITES AND INTERPLANETARY DUST. Proceedings of the International Astronomical Union, 2013, 10, 120-123.	0.0	1
138	A PANORAMIC VIEW OF THE ASTEROIDS IN THE INNER SOLAR SYSTEM WITH AKARI. Publications of the Korean Astronomical Society, 2012, 27, 153-159.	0.0	1
139	Aperture Synthesis Observations of NH <sub>3</sub> and CS in Orion-KL. International Astronomical Union Colloquium, 1989, 120, 327-332.	0.1	0
140	Statistical Comparison of CLEAN and MEM. International Astronomical Union Colloquium, 1994, 140, 125-126.	0.1	0
141	Interferometric Observations for O-Containing Organic Molecules Towards Orion-KL. International Astronomical Union Colloquium, 1994, 140, 238-240.	0.1	0
142	Observations of Orion Molecular Cloud with NMA. International Astronomical Union Colloquium, 1994, 140, 185-189.	0.1	0
143	A CCD search for the Earth-Moon libration clouds around L4. COSPAR Colloquia Series, 2002, 15, 368-371.	0.2	0
144	CCD imaging of the zodiacal light. COSPAR Colloquia Series, 2002, 15, 89-97.	0.2	0

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145	Fading of Sunlight Scattered by a Meteoric Cloud of the Leonid Parent Comet 55P/Tempel-Tuttle. Publication of the Astronomical Society of Japan, 2003, 55, 543-546.	2.5	0
146	Models for the Origin of the Quadrantids. Earth, Moon and Planets, 2010, 106, 55-65.	0.6	0
147	New Outburst of Centaur Comet (60558) 174P/Echeclus. Proceedings of the International Astronomical Union, 2012, 10, 170-170.	0.0	0
148	Disk-Resolved Spectra of (25143) Itokawa with Hayabusa/AMICA observations. Proceedings of the International Astronomical Union, 2012, 10, 158-158.	0.0	0
149	RETRIEVAL OF LOCAL INTERPLANETARY DUST EMISSIVITY BY ASTRO-F. Journal of the Korean Astronomical Society, 2004, 37, 159-169.	1.5	0
150	SIZE AND ALBEDO PROPERTIES OF MAIN BELT ASTEROIDS BASED ON THE COMPARATIVE STUDY OF INFRARED ASTEROID SURVEYS: IRAS, AKARI, AND WISE. Publications of the Korean Astronomical Society, 2017, 32, 55-57.	0.0	0
151	Assessment of right atrial (RA) and right ventricular (RV) function by gated blood pool scan with krypton-81m: RA and RV pressure-volume loops with simultaneous pressure data. Advances in Therapy, 1991, 8, 235-42.	2.9	0