

Mikako Matsuura

List of Publications by Year in descending order

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116
papers

6,016
citations

61857

43
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71532

76
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119
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119
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119
times ranked

3586
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>Spitzer</i> and <i>Herschel</i> studies of dust in supernova remnants in the Small Magellanic Cloud. Monthly Notices of the Royal Astronomical Society, 2022, 513, 1154-1174.	1.6	2
2	The Nearby Evolved Stars Survey II: Constructing a volume-limited sample and first results from the James Clerk Maxwell Telescope. Monthly Notices of the Royal Astronomical Society, 2022, 512, 1091-1110.	1.6	5
3	A Galactic dust devil: far-infrared observations of the Tornado supernova remnant candidate. Monthly Notices of the Royal Astronomical Society, 2020, 499, 5665-5678.	1.6	5
4	Atacama Compact Array observations of the pulsar-wind nebula of SNR 0540-69.3. Monthly Notices of the Royal Astronomical Society, 2020, 496, 1834-1844.	1.6	8
5	A complete catalogue of dusty supernova remnants in the Galactic plane. Monthly Notices of the Royal Astronomical Society, 2020, 493, 2706-2744.	1.6	15
6	Revisiting the dust destruction efficiency of supernovae. Monthly Notices of the Royal Astronomical Society, 2020, 500, 2543-2553.	1.6	18
7	The dust content of the Crab Nebula. Monthly Notices of the Royal Astronomical Society, 2019, 488, 164-182.	1.6	31
8	The nearby evolved stars survey â€” I. JCMT/SCUBA-2 submillimetre detection of the detached shell of U Antliae. Monthly Notices of the Royal Astronomical Society, 2019, 489, 3218-3231.	1.6	4
9	A decade of ejecta dust formation in the Type IIIn SN 2005ip. Monthly Notices of the Royal Astronomical Society, 2019, 485, 5192-5206.	1.6	18
10	A catalogue of Galactic supernova remnants in the far-infrared: revealing ejecta dust in pulsar wind nebulae. Monthly Notices of the Royal Astronomical Society, 2019, 483, 70-118.	1.6	32
11	A Three-dimensional View of Molecular Hydrogen in SN 1987A. Astrophysical Journal, 2019, 873, 15.	1.6	9
12	SOFIA mid-infrared observations of Supernovaâ€™s 1987A in 2016 â€” forward shocks and possible dust re-formation in the post-shocked region. Monthly Notices of the Royal Astronomical Society, 2019, 482, 1715-1723.	1.6	36
13	High Angular Resolution ALMA Images of Dust and Molecules in the SN 1987A Ejecta. Astrophysical Journal, 2019, 886, 51.	1.6	71
14	Dust in Supernovae and Supernova Remnants I: Formation Scenarios. Space Sciences Series of ISSI, 2019, , 313-360.	0.0	0
15	Dust in Supernovae and Supernova Remnants II: Processing and Survival. Space Sciences Series of ISSI, 2019, , 361-418.	0.0	1
16	Dust in Supernovae and Supernova Remnants I: Formation Scenarios. Space Science Reviews, 2018, 214, 1.	3.7	34
17	Probing the Baryon Cycle of Galaxies with <i>SPICA</i> Mid- and Far-Infrared Observations. Publications of the Astronomical Society of Australia, 2018, 35, .	1.3	11
18	Dust in Supernovae and Supernova Remnants II: Processing and Survival. Space Science Reviews, 2018, 214, 1.	3.7	23

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19	The Double Dust Envelopes of R Coronae Borealis Stars. <i>Astronomical Journal</i> , 2018, 156, 148.	1.9	11
20	ALMA spectrum of the extreme OH/IR star OH 26.5+0.6. <i>Proceedings of the International Astronomical Union</i> , 2018, 14, 436-437.	0.0	0
21	The 30 Year Search for the Compact Object in SN 1987A. <i>Astrophysical Journal</i> , 2018, 864, 174.	1.6	34
22	Can a Bright and Energetic X-Ray Pulsar Be Hiding Amid the Debris of SN 1987A?. <i>Astrophysical Journal</i> , 2018, 857, 58.	1.6	15
23	Detection of Linear Polarization in the Radio Remnant of Supernova 1987A. <i>Astrophysical Journal Letters</i> , 2018, 861, L9.	3.0	17
24	The dust mass in Cassiopeia A from a spatially resolved <i>Herschel</i> analysis. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 465, 3309-3342.	1.6	117
25	Galaxy Evolution Studies with the <i>SPace IR Telescope for Cosmology and Astrophysics</i> (<i>SPICA</i>): The Power of IR Spectroscopy. <i>Publications of the Astronomical Society of Australia</i> , 2017, 34, .	1.3	32
26	Measuring the dust content and formation in SN 1987A using detailed radiative transfer modelling. <i>Proceedings of the International Astronomical Union</i> , 2017, 12, 300-303.	0.0	0
27	<i>SPICA</i> and the Chemical Evolution of Galaxies: The Rise of Metals and Dust. <i>Publications of the Astronomical Society of Australia</i> , 2017, 34, .	1.3	15
28	The Radio Remnant of Supernova 1987A â A Broader View. <i>Proceedings of the International Astronomical Union</i> , 2017, 12, 274-283.	0.0	1
29	Very Deep inside the SN 1987A Core Ejecta: Molecular Structures Seen in 3D. <i>Astrophysical Journal Letters</i> , 2017, 842, L24.	3.0	39
30	Dust and Molecular Formation in Supernovae. , 2017, , 2125-2158.		6
31	The wind speeds, dust content, and mass-loss rates of evolved AGB and RSG stars at varying metallicity. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 465, 403-433.	1.6	109
32	ALMA spectral survey of Supernova 1987A â molecular inventory, chemistry, dynamics and explosive nucleosynthesis. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 469, 3347-3362.	1.6	36
33	High-Resolution Observations of Dust in SN 1987A. <i>Proceedings of the International Astronomical Union</i> , 2017, 12, 290-293.	0.0	0
34	ALMA observations of Molecules in Supernova 1987A. <i>Proceedings of the International Astronomical Union</i> , 2017, 12, 294-299.	0.0	0
35	THE INFRARED SPECTRAL PROPERTIES OF MAGELLANIC CARBON STARS. <i>Astrophysical Journal</i> , 2016, 826, 44.	1.6	36
36	On the properties of dust and gas in the environs of V838 Monocerotis. <i>Astronomy and Astrophysics</i> , 2016, 596, A96.	2.1	5

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37	The mass-loss rates of red supergiants at low metallicity: detection of rotational CO emission from two red supergiants in the Large Magellanic Cloud. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 462, 2995-3005.	1.6	15
38	THREE-DIMENSIONAL DISTRIBUTION OF EJECTA IN SUPERNOVA 1987A AT 10,000 DAYS. <i>Astrophysical Journal</i> , 2016, 833, 147.	1.6	48
39	Early dust formation and a massive progenitor for SN 2011ja?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 457, 3241-3253.	1.6	23
40	The ALMA detection of CO rotational line emission in AGB stars in the Large Magellanic Cloud. <i>Astronomy and Astrophysics</i> , 2016, 596, A50.	2.1	22
41	Dust and Molecular Formation in Supernovae. , 2016, , 1-34.		0
42	From flux to dust mass: Does the grain-temperature distribution matter for estimates of cold dust masses in supernova remnants?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 449, 4079-4090.	1.6	19
43	<i>Spitzer</i> infrared spectrograph point source classification in the Small Magellanic Cloud. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 451, 3504-3536.	1.6	41
44	ALMA molecular observations of supernova 1987A. <i>Proceedings of the International Astronomical Union</i> , 2015, 11, 239-240.	0.0	0
45	Detection of rotational CO emission from the red-supergiants in the Large Magellanic Cloud. <i>Proceedings of the International Astronomical Union</i> , 2015, 11, 459-459.	0.0	0
46	ALMA reveals sunburn: CO dissociation around AGB stars in the globular cluster 47 Tucanae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 453, 4325-4337.	1.6	14
47	A STUBBORNLY LARGE MASS OF COLD DUST IN THE EJECTA OF SUPERNOVA 1987A. <i>Astrophysical Journal</i> , 2015, 800, 50.	1.6	148
48	The timing and location of dust formation in the remnant of SN 1987A. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 446, 2089-2101.	1.6	103
49	<i>HERschel</i> KEY PROGRAM HERITAGE: A FAR-INFRARED SOURCE CATALOG FOR THE MAGELLANIC CLOUDS. <i>Astronomical Journal</i> , 2014, 148, 124.	1.9	56
50	<i>Spitzer</i> Space Telescope spectra of post-AGB stars in the Large Magellanic Cloud – polycyclic aromatic hydrocarbons at low metallicities. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 439, 1472-1493.	1.6	59
51	DUST PRODUCTION AND PARTICLE ACCELERATION IN SUPERNOVA 1987A REVEALED WITH ALMA. <i>Astrophysical Journal Letters</i> , 2014, 782, L2.	3.0	170
52	CARBON-RICH DUST PAST THE ASYMPTOTIC GIANT BRANCH: ALIPHATICS, AROMATICS, AND FULLERENES IN THE MAGELLANIC CLOUDS. <i>Astrophysical Journal</i> , 2014, 791, 28.	1.6	75
53	DUST AND GAS IN THE MAGELLANIC CLOUDS FROM THE HERITAGE <i>HERSCHEL</i> KEY PROJECT. I. DUST PROPERTIES AND INSIGHTS INTO THE ORIGIN OF THE SUBMILLIMETER EXCESS EMISSION. <i>Astrophysical Journal</i> , 2014, 797, 85.	1.6	125
54	SPECTRAL AND MORPHOLOGICAL ANALYSIS OF THE REMNANT OF SUPERNOVA 1987A WITH ALMA AND ATCA. <i>Astrophysical Journal</i> , 2014, 796, 82.	1.6	49

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55	Detection of a Noble Gas Molecular Ion, $^{36}\text{ArH}^+$, in the Crab Nebula. <i>Science</i> , 2013, 342, 1343-1345.	6.0	164
56	THE HERSCHEL INVENTORY OF THE AGENTS OF GALAXY EVOLUTION IN THE MAGELLANIC CLOUDS, A HERSCHEL OPEN TIME KEY PROGRAM. <i>Astronomical Journal</i> , 2013, 146, 62.	1.9	135
57	CARBON MONOXIDE IN THE COLD DEBRIS OF SUPERNOVA 1987A. <i>Astrophysical Journal Letters</i> , 2013, 773, L34.	3.0	36
58	The global gas and dust budget of the Small Magellanic Cloud. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 429, 2527-2536.	1.6	45
59	OH/IR stars and their superwinds as observed by the <i>Herschel</i> Space Observatory. <i>Astronomy and Astrophysics</i> , 2013, 556, A101.	2.1	23
60	Global Dust Budgets of the Magellanic Clouds. <i>Proceedings of the International Astronomical Union</i> , 2012, 8, 267-270.	0.0	2
61	<i>AKARI</i> INFRARED CAMERA SURVEY OF THE LARGE MAGELLANIC CLOUD. I. POINT-SOURCE CATALOG. <i>Astronomical Journal</i> , 2012, 144, 179.	1.9	30
62	Oxygen-rich dust production in IC 10. <i>Astronomy and Astrophysics</i> , 2012, 546, A94.	2.1	7
63	SpS5 - III. Matter ejection and feedback. <i>Proceedings of the International Astronomical Union</i> , 2012, 10, 429-438.	0.0	0
64	CARBON-RICH DUST PRODUCTION IN METAL-POOR GALAXIES IN THE LOCAL GROUP. <i>Astrophysical Journal</i> , 2012, 752, 140.	1.6	39
65	The origin of dust in galaxies in the Herschel and ALMA era. <i>Astronomy and Geophysics</i> , 2012, 53, 6.19-6.23.	0.1	1
66	A COOL DUST FACTORY IN THE CRAB NEBULA: A <i>HERSCHEL</i> STUDY OF THE FILAMENTS. <i>Astrophysical Journal</i> , 2012, 760, 96.	1.6	162
67	The <i>Spitzer</i> spectroscopic survey of S-type stars. <i>Astronomy and Astrophysics</i> , 2012, 540, A72.	2.1	24
68	Dust in historical Galactic Type Ia supernova remnants with <i>Herschel</i> <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 420, 3557-3573.	1.6	82
69	The SAGE-Spec <i>Spitzer</i> Legacy programme: the life-cycle of dust and gas in the Large Magellanic Cloud - Point source classification I. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 411, 1597-1627.	1.6	93
70	Extended dust shell of the carbon star U Hydrae observed with <i>AKARI</i> . <i>Astronomy and Astrophysics</i> , 2011, 528, A29.	2.1	13
71	MESS (Mass-loss of Evolved StarS), a <i>Herschel</i> key program. <i>Astronomy and Astrophysics</i> , 2011, 526, A162.	2.1	93
72	Processing of polycyclic aromatic hydrocarbons in evolved planetary nebulae. <i>Proceedings of the International Astronomical Union</i> , 2011, 7, 462-463.	0.0	0

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73	A Herschel study of Planetary Nebulae. Proceedings of the International Astronomical Union, 2011, 7, 514-515.	0.0	0
74	Herschel observations of planetary nebulae in the MESS key program. Proceedings of the International Astronomical Union, 2011, 7, 41-44.	0.0	1
75	Observational studies of mass loss from AGB stars. Proceedings of the International Astronomical Union, 2011, 7, 80-82.	0.0	0
76	THE CIRCUMSTELLAR ENVIRONMENT OF R CORONAE BOREALIS: WHITE DWARF MERGER OR FINAL-HELIUM-SHELL FLASH?. Astrophysical Journal, 2011, 743, 44.	1.6	44
77	DISCOVERY AND ANALYSIS OF 21 $\hat{1}4m$ FEATURE SOURCES IN THE MAGELLANIC CLOUDS. Astrophysical Journal, 2011, 735, 127.	1.6	48
78	Galactic distributions of carbon- and oxygen-rich AGB stars revealed by the AKARI mid-infrared all-sky survey. Astronomy and Astrophysics, 2011, 534, A79.	2.1	30
79	Modelling the warm H2 infrared emission of the Helix nebula cometary knots. Monthly Notices of the Royal Astronomical Society, 2011, , no-no.	1.6	4
80	THE DUST PROPERTIES OF TWO HOT R CORONAE BOREALIS STARS AND A WOLF-RAYET CENTRAL STAR OF A PLANETARY NEBULA: IN SEARCH OF A POSSIBLE LINK. Astronomical Journal, 2011, 142, 54.	1.9	29
81	Herschel Detects a Massive Dust Reservoir in Supernova 1987A. Science, 2011, 333, 1258-1261.	6.0	294
82	AKARI's infrared view on nearby stars. Astronomy and Astrophysics, 2010, 514, A2.	2.1	25
83	Warm water vapour in the sooty outflow from a luminous carbon star. Nature, 2010, 467, 64-67.	13.7	87
84	Clouds, filaments, and protostars: The <i>Herschel</i> Hi-GAL Milky Way. Astronomy and Astrophysics, 2010, 518, L100.	2.1	573
85	The mass-loss return from evolved stars to the Large Magellanic Cloud. Astronomy and Astrophysics, 2010, 524, A49.	2.1	20
86	Determining dust temperatures and masses in the <i>Herschel</i> era: The importance of observations longward of 200 \hat{A} micron. Astronomy and Astrophysics, 2010, 518, L89.	2.1	79
87	Cold dust in three massive evolved stars in the LMC. Astronomy and Astrophysics, 2010, 518, L142.	2.1	22
88	<i>Herschel</i> -SPIRE FTS spectroscopy of the carbon-rich objects AFGL 2688, AFGL 618, and NGC 7027. Astronomy and Astrophysics, 2010, 518, L144.	2.1	27
89	Dust in the bright supernova remnant N49 in the LMC. Astronomy and Astrophysics, 2010, 518, L139.	2.1	38
90	<i>HERschel</i> Inventory of The Agents of Galaxy Evolution (HERITAGE): The Large Magellanic Cloud dust. Astronomy and Astrophysics, 2010, 518, L71.	2.1	103

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91	Hi-GAL: The Herschel Infrared Galactic Plane Survey. Publications of the Astronomical Society of the Pacific, 2010, 122, 314-325.	1.0	440
92	The SAGE-Spec Spitzer Legacy Program: The Life Cycle of Dust and Gas in the Large Magellanic Cloud. Publications of the Astronomical Society of the Pacific, 2010, 122, 683-700.	1.0	78
93	UNUSUAL DUST EMISSION FROM PLANETARY NEBULAE IN THE MAGELLANIC CLOUDS. Astrophysical Journal, 2009, 699, 1541-1552.	1.6	73
94	Dust Formation in a Galaxy with Primitive Abundances. Science, 2009, 323, 353-355.	6.0	61
95	The global gas and dust budget of the Large Magellanic Cloud: AGB stars and supernovae, and the impact on the ISM evolution. Monthly Notices of the Royal Astronomical Society, 2009, 396, 918-934.	1.6	176
96	Revealing infrared populations of nearby galaxies using the Spitzer Space Telescope. Proceedings of the International Astronomical Union, 2009, 5, 111-114.	0.0	0
97	Spitzer observations of molecules and dust in evolved stars in nearby galaxies. Proceedings of the International Astronomical Union, 2009, 5, 557-557.	0.0	0
98	AKARI/FIS Mapping of the ISM-Wind Bow Shock around α Orionis. Publication of the Astronomical Society of Japan, 2008, 60, S407-S413.	1.0	46
99	AKARI IRC Survey of the Large Magellanic Cloud: Outline of the Survey and Initial Results. Publication of the Astronomical Society of Japan, 2008, 60, S435-S451.	1.0	40
100	Discovery of Extreme Carbon Stars in the Large Magellanic Cloud. Astrophysical Journal, 2008, 688, L9-L12.	1.6	51
101	Molecules and dust production in the Magellanic Clouds. Astronomy and Astrophysics, 2008, 487, 1055-1073.	2.1	85
102	Spitzer spectroscopy of carbon stars in the Small Magellanic Cloud. Monthly Notices of the Royal Astronomical Society, 2007, 376, 1270-1284.	1.6	67
103	Luminosities and mass-loss rates of carbon stars in the Magellanic Clouds. Monthly Notices of the Royal Astronomical Society, 2007, 376, 313-337.	1.6	94
104	Spitzer Space Telescope spectral observations of AGB stars in the Fornax dwarf spheroidal galaxy. Monthly Notices of the Royal Astronomical Society, 2007, 382, 1889-1900.	1.6	41
105	The Real-Time Evolution of Sakurai's Star (V4334 Sgr) and other (V)LTP Objects. Proceedings of the International Astronomical Union, 2006, 2, 75.	0.0	0
106	Mid-Infrared Spectroscopy of Carbon Stars in the Small Magellanic Cloud. Astrophysical Journal, 2006, 645, 1118-1130.	1.6	68
107	Detection of a Far-Infrared Bow Shock Nebula around R Hya: The First MIRIAD Results. Astrophysical Journal, 2006, 648, L39-L42.	1.6	47
108	A Spitzer mid-infrared spectral survey of mass-losing carbon stars in the Large Magellanic Cloud. Monthly Notices of the Royal Astronomical Society, 2006, 370, 1961-1978.	1.6	94

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109	Spitzer observations of acetylene bands in carbon-rich asymptotic giant branch stars in the Large Magellanic Cloud. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 371, 415-420.	1.6	60
110	Very Large Telescope three micron spectra of dust-enshrouded red giants in the Large Magellanic Cloud. <i>Astronomy and Astrophysics</i> , 2006, 447, 971-989.	2.1	42
111	Three-micron spectra of AGB stars and supergiants in nearby galaxies. <i>Astronomy and Astrophysics</i> , 2005, 434, 691-706.	2.1	56
112	Asymptotic giant branch superwind speed at low metallicity. <i>Monthly Notices of the Royal Astronomical Society</i> , 2004, 355, 1348-1360.	1.6	109
113	The time variation in infrared water-vapour bands in Mira variables. <i>Astronomy and Astrophysics</i> , 2002, 383, 972-986.	2.1	52
114	Very Large Telescope Spectra of Carbon Stars in the Large Magellanic Cloud and Their Metallicity Dependence. <i>Astrophysical Journal</i> , 2002, 580, L133-L136.	1.6	31
115	Galactic mass-losing AGB stars probed with the IRTS. I.. <i>Astronomy and Astrophysics</i> , 2001, 376, 997-1010.	2.1	36
116	Dust mass-loss rates from asymptotic giant branch stars in the Fornax and Sagittarius dwarf spheroidal galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, 383, 399-410.	1.6	25