Masaaki Otsuka

List of Publications by Year
in descending order

64	1,421	361413	330143
papers	citations	20 h-index	37 g-index

65	65	65	1693
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Herschel Detects a Massive Dust Reservoir in Supernova 1987A. Science, 2011, 333, 1258-1261.	12.6	294
2	THE HERschel INVENTORY OF THE AGENTS OF GALAXY EVOLUTION IN THE MAGELLANIC CLOUDS, A HERSCHEL OPEN TIME KEY PROGRAM. Astronomical Journal, 2013, 146, 62.	4.7	135
3	HERschelInventory of The Agents of Galaxy Evolution (HERITAGE): The Large Magellanic Cloud dust. Astronomy and Astrophysics, 2010, 518, L71.	5.1	103
4	Physical properties of fullerene-containing Galactic planetary nebulae. Monthly Notices of the Royal Astronomical Society, 2014, 437, 2577-2593.	4.4	62
5	Spitzer Space Telescope spectra of post-AGB stars in the Large Magellanic Cloud â€“ polycyclic aromatic hydrocarbons at low metallicities. Monthly Notices of the Royal Astronomical Society, 2014, 439, 1472-1493.	4.4	59
6	EVIDENCE FOR PRE-EXISTING DUST IN THE BRIGHT TYPE IIn SN 2010jl. Astronomical Journal, 2011, 142, 45.	4.7	55
7	PHOTOMETRIC AND SPECTROSCOPIC EVOLUTION OF THE IIP SN 2007it TO DAY 944. Astrophysical Journal, 2011, 731, 47.	4.5	53
8	THE ORIGIN AND EVOLUTION OF THE HALO PN BoBn 1: FROM A VIEWPOINT OF CHEMICAL ABUNDANCES BASED ON MULTIWAVELENGTH SPECTRA. Astrophysical Journal, 2010, 723, 658-683.	4.5	43
9	Dust in the bright supernova remnant N49 in the LMC. Astronomy and Astrophysics, 2010, 518, L139.	5.1	38
10	The effects of dust on the optical and infrared evolution of SN 2004et. Monthly Notices of the Royal Astronomical Society, 2011, 418, 1285-1307.	4.4	37
11	THE DETECTION OF C60 IN THE WELL-CHARACTERIZED PLANETARY NEBULA M1-11. Astrophysical Journal, 2013, 764, 77.	4.5	37
12	DUST AND CHEMICAL ABUNDANCES OF THE SAGITTARIUS DWARF GALAXY PLANETARY NEBULA Hen2-436. Astrophysical Journal, 2011, 729, 39.	4.5	35
13	Detection of Fluorine in the Halo Planetary Nebula BoBn 1: Evidence for a Binary Progenitor Star. Astrophysical Journal, 2008, 682, L105-L108.	4.5	30
14	CHEMICAL ABUNDANCES IN THE EXTREMELY CARBON-RICH AND XENON-RICH HALO PLANETARY NEBULA H4-1. Astrophysical Journal, 2013, 778, 146.	4.5	25
15	TheHerschelPlanetary Nebula Survey (HerPlaNS). Astronomy and Astrophysics, 2014, 565, A36.	5.1	25
16	The Herschel Planetary Nebula Survey (HerPlaNS): A Comprehensive Dusty Photoionization Model of NGC6781. Astrophysical Journal, Supplement Series, 2017, 231, 22.	7.7	25
17	Structure of the hot object in the symbiotic prototype Zâ€‰Andromedae during its 2000â€“03 active phase. Astronomy and Astrophysics, 2006, 453, 279-293.	5.1	25
18	LATE-TIME LIGHT CURVES OF TYPE II SUPERNOVAE: PHYSICAL PROPERTIES OF SUPERNOVAE AND THEIR ENVIRONMENT. Astrophysical Journal, 2012, 744, 26.	4.5	24

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19	THIRTY YEARS OF SN 1980K: EVIDENCE FOR LIGHT ECHOES. Astrophysical Journal, 2012, 749, 170.	4.5	23
20	CHEMICAL ABUNDANCES AND DUST IN THE HALO PLANETARY NEBULA K648 IN M15: ITS ORIGIN AND EVOLUTION BASED ON AN ANALYSIS OF MULTIWAVELENGTH DATA. Astrophysical Journal, Supplement Series, 2015, 217, 22.	7.7	21
21	TRANSIENT JETS IN THE SYMBIOTIC PROTOTYPE Z ANDROMEDAE. Astrophysical Journal, 2009, 690, 1222-1235.	4.5	21
22	OPTICAL AND INFRARED ANALYSIS OF TYPE II SN 2006bc. Astrophysical Journal, 2012, 753, 109.	4.5	20
23	SN 2019ein: New Insights into the Similarities and Diversity among High-velocity Type Ia Supernovae. Astrophysical Journal, 2020, 893, 143.	4.5	20
24	HIGH-DISPERSION SPECTRUM OF THE HALO PLANETARY NEBULA DdDm 1. Astrophysical Journal, 2009, 705, 509-528.	4.5	19
25	An imaging spectroscopic survey of the planetary nebula NGC 7009 with MUSE. Astronomy and Astrophysics, 2018, 620, A169.	5.1	19
26	XSHOOTER spectroscopy of the enigmatic planetary nebula Lin49 in the Small Magellanic Cloud. Monthly Notices of the Royal Astronomical Society, 2016, 462, 12-34.	4.4	14
27	ISLE: near-infrared imager/spectrograph for the 1.88m Telescope at Okayama Astrophysical Observatory. Proceedings of SPIE, 2008, , .	0.8	12
28	First-generation science cases for ground-based terahertz telescopes. Publication of the Astronomical Society of Japan, 2016, 68, .	2.5	12
29	Calcium-rich Transient SN 2019ehk in a Star-forming Environment: Yet Another Candidate for a Precursor of a Double Neutron-star Binary. Astrophysical Journal, 2021, 912, 30.	4.5	12
30	Proper Plasma Analysis Practice (PPAP), an Integrated Procedure of Extinction Correction and Plasma Diagnostics: A Demo with an HST/WFC3 Image Set of NGC 6720. Publications of the Astronomical Society of the Pacific, 2021, 133, 093002.	3.1	11
31	Analysis of Internal Motions in the Halo Planetary Nebula H4â€1. Publications of the Astronomical Society of the Pacific, 2003, 115, 67-79.	3.1	10
32	A SEARCH FOR SUPERNOVA REMNANTS IN NGC 6946 USING THE [Fe II] 1.64 Î¼m LINE. Astronomical Journal, 2014, 148, 41.	4.7	10
33	Molecular hydrogen emission in the interstellar medium of the Large Magellanic Cloud. Monthly Notices of the Royal Astronomical Society, 2014, 446, 2490-2504.	4.4	10
34	Herschel Planetary Nebula Survey (HerPlaNS)â˜…: hydrogen recombination laser lines in Mz 3. Monthly Notices of the Royal Astronomical Society, 2018, 477, 4499-4510.	4.4	10
35	Intermediate luminosity type Iax supernova 2019muj with narrow absorption lines: Long-lasting radiation associated with a possible bound remnant predicted by the weak deflagration model. Publication of the Astronomical Society of Japan, 2021, 73, 1295-1314.	2.5	10
36	Possible Time Correlation between Jet Ejection and Mass Accretion for RW Aur A*. Astrophysical Journal, 2020, 901, 24.	4.5	9

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37	Chemical abundances in the PN Wray16-423 in the Sagittarius dwarf spheroidal galaxy: constraining the dust composition. Monthly Notices of the Royal Astronomical Society, 2015, 452, 4070-4093.	4.4	7
38	Physical properties of the fullerene C60-containing planetary nebula â€‰â€‰SaSt2-3â˜…. Monthly Notices of the Royal Astronomical Society, 2019, 482, 2354-2373.	4.4	7
39	Physical Properties of the Very Young PN Hen3-1357 (Stingray Nebula) Based on Multiwavelength Observations. Astrophysical Journal, 2017, 838, 71.	4.5	6
40	Physical properties of the fluorine and neutron-capture element-rich PN Jonckheere 900. Monthly Notices of the Royal Astronomical Society, 2020, 491, 2959-2981.	4.4	6
41	COJ= 2-1 EMISSION FROM EVOLVED STARS IN THE GALACTIC BULGE. Astrophysical Journal, 2013, 765, 20.	4.5	5
42	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.	4.4	5
43	The Quadratic Programming Method for Extracting Emission Line Maps from Line-blended Narrowband Images. Astronomical Journal, 2019, 158, 145.	4.7	4
44	Seimei KOOLS-IFU mapping of the gas and dust distributions in Galactic planetary nebulae: the case of ICÂ2165. Monthly Notices of the Royal Astronomical Society, 2022, 511, 4774-4800.	4.4	4
45	K-band High-resolution Spectroscopy of Embedded High-mass Protostars. Astrophysical Journal, 2021, 912, 108.	4.5	3
46	Spectroscopic and photometric observations of dwarf nova superoutbursts by the 3.8 m telescope Seimei and the Variable Star Network. Publication of the Astronomical Society of Japan, 2021, 73, 753-771.	2.5	2
47	XSHOOTER spectroscopy of the enigmatic PN Lin49 in the SMC. Proceedings of the International Astronomical Union, 2016, 12, 254-258.	0.0	1
48	Dy³⁺â€•and Er³⁺â€codoped YBr₃ upconversion phosphor for detection of 1.3â€Î¼m band infrared light. Electronics and Communications in Japan, 1996, 79, 23-30.	0.2	0
49	Highly Resolved Spectroscopic Study of PNe with HIDES A Case Study of NGC 6572. AIP Conference Proceedings, 2005, , .	0.4	0
50	A multiple mass-ejection by the symbiotic prototype Z And during its 2000â€“03 outburst. AIP Conference Proceedings, 2005, , .	0.4	0
51	High resolution spectroscopic study of the Halo PNe: the case of H 4â€“1. Proceedings of the International Astronomical Union, 2006, 2, 235.	0.0	0
52	High Dispersion Spectroscopy of the PN K 648 in the Globular Cluster M 15. Proceedings of the International Astronomical Union, 2006, 2, 523.	0.0	0
53	The Origin and Evolution of the Extremely Metal-Poor Halo Planetary Nebulae. AIP Conference Proceedings, 2008, , .	0.4	0
54	A search for s-process elements in extremely metal-poor halo planetary nebulae. Proceedings of the International Astronomical Union, 2009, 5, 77-78.	0.0	0

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55	Performance of the WIYN high-resolution infrared camera. Proceedings of SPIE, 2010, , .	0.8	0
56	Properties of the fullerene C₆₀-containing PN Lin49 in the SMC; Explanations of strong near-IR excess. Journal of Physics: Conference Series, 2016, 728, 052006.	0.4	0
57	A multiwavelength study of the Stingray Nebula; properties of the nebula, central star, and dust. Journal of Physics: Conference Series, 2016, 728, 072011.	0.4	0
58	Herschel Planetary Nebula Survey (HerPLaNS): Construction of a Detailed Dusty Photoionization Model of NGC6781. Proceedings of the International Astronomical Union, 2016, 12, 348-349.	0.0	0
59	Comprehensive Panchromatic Data Analyses and Photoionization Modeling of NGC 6781. Proceedings of the International Astronomical Union, 2018, 14, 514-515.	0.0	0
60	Infrared Studies of the Variability and Mass Loss of Some of the Dustiest Asymptotic Giant Branch Stars in the Magellanic Clouds. Proceedings of the International Astronomical Union, 2018, 14, 498-499.	0.0	0
61	Herschel Planetary Nebula Survey Plus (HerPlaNS+). Proceedings of the International Astronomical Union, 2018, 14, 518-519.	0.0	0
62	Morpho-Kinematics of the Circumstellar Environments around Post-AGB Stars. Proceedings of the International Astronomical Union, 2018, 14, 520-521.	0.0	0
63	Understanding the Spatial Distributions of the Ionic/Atomic/Molecular/Dust Components in PNe. Galaxies, 2019, 7, 10.	3.0	0
64	Magnetism and Astronomical Infrared Spectrum of Fullerene C₆₀ and Void Induced Graphene Molecules. Journal of the Magnetics Society of Japan, 2021, 45, 142-148.	0.9	0