

# Masaaki Otsuka

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/993547/publications.pdf>

Version: 2024-02-01

64  
papers

1,421  
citations

361413

20  
h-index

330143

37  
g-index

65  
all docs

65  
docs citations

65  
times ranked

1693  
citing authors

#	ARTICLE	IF	CITATIONS
1	Seimei KOOLS-IFU mapping of the gas and dust distributions in Galactic planetary nebulae: the case of IC2165. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 4774-4800.	4.4	4
2	The Nearby Evolved Stars Survey II: Constructing a volume-limited sample and first results from the James Clerk Maxwell Telescope. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 1091-1110.	4.4	5
3	Calcium-rich Transient SN 2019ehk in a Star-forming Environment: Yet Another Candidate for a Precursor of a Double Neutron-star Binary. <i>Astrophysical Journal</i> , 2021, 912, 30.	4.5	12
4	Spectroscopic and photometric observations of dwarf nova superoutbursts by the 3.8 m telescope Seimei and the Variable Star Network. <i>Publication of the Astronomical Society of Japan</i> , 2021, 73, 753-771.	2.5	2
5	K-band High-resolution Spectroscopy of Embedded High-mass Protostars. <i>Astrophysical Journal</i> , 2021, 912, 108.	4.5	3
6	Intermediate luminosity type Ia supernova 2019muj with narrow absorption lines: Long-lasting radiation associated with a possible bound remnant predicted by the weak deflagration model. <i>Publication of the Astronomical Society of Japan</i> , 2021, 73, 1295-1314.	2.5	10
7	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. <i>Publications of the Astronomical Society of the Pacific</i> , 2021, 133, 093002.	3.1	11
8	Magnetism and Astronomical Infrared Spectrum of Fullerene C <sub>60</sub> and Void Induced Graphene Molecules. <i>Journal of the Magnetics Society of Japan</i> , 2021, 45, 142-148.	0.9	0
9	Physical properties of the fluorine and neutron-capture element-rich PN Jonckheere 900. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 491, 2959-2981.	4.4	6
10	SN 2019ein: New Insights into the Similarities and Diversity among High-velocity Type Ia Supernovae. <i>Astrophysical Journal</i> , 2020, 893, 143.	4.5	20
11	Possible Time Correlation between Jet Ejection and Mass Accretion for RW Aur A*. <i>Astrophysical Journal</i> , 2020, 901, 24.	4.5	9
12	The Quadratic Programming Method for Extracting Emission Line Maps from Line-blended Narrowband Images. <i>Astronomical Journal</i> , 2019, 158, 145.	4.7	4
13	Physical properties of the fullerene C60-containing planetary nebula "SaSt2-3". <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 482, 2354-2373.	4.4	7
14	Understanding the Spatial Distributions of the Ionic/Atomic/Molecular/Dust Components in PNe. <i>Galaxies</i> , 2019, 7, 10.	3.0	0
15	An imaging spectroscopic survey of the planetary nebula NGC 7009 with MUSE. <i>Astronomy and Astrophysics</i> , 2018, 620, A169.	5.1	19
16	Comprehensive Panchromatic Data Analyses and Photoionization Modeling of NGC 6781. <i>Proceedings of the International Astronomical Union</i> , 2018, 14, 514-515.	0.0	0
17	Infrared Studies of the Variability and Mass Loss of Some of the Dustiest Asymptotic Giant Branch Stars in the Magellanic Clouds. <i>Proceedings of the International Astronomical Union</i> , 2018, 14, 498-499.	0.0	0
18	Herschel Planetary Nebula Survey Plus (HerPlaNS+). <i>Proceedings of the International Astronomical Union</i> , 2018, 14, 518-519.	0.0	0

#	ARTICLE	IF	CITATIONS
19	Morpho-Kinematics of the Circumstellar Environments around Post-AGB Stars. Proceedings of the International Astronomical Union, 2018, 14, 520-521.	0.0	0
20	Herschel Planetary Nebula Survey (HerPlaNS)âˆ“: hydrogen recombination laser lines in Mz 3. Monthly Notices of the Royal Astronomical Society, 2018, 477, 4499-4510.	4.4	10
21	Physical Properties of the Very Young PN Hen3-1357 (Stingray Nebula) Based on Multiwavelength Observations. Astrophysical Journal, 2017, 838, 71.	4.5	6
22	The <i>Herschel</i> Planetary Nebula Survey (HerPlaNS): A Comprehensive Dusty Photoionization Model of NGC6781. Astrophysical Journal, Supplement Series, 2017, 231, 22.	7.7	25
23	Properties of the fullerene C<sub>60</sub>-containing PN Lin49 in the SMC; Explanations of strong near-IR excess. Journal of Physics: Conference Series, 2016, 728, 052006.	0.4	0
24	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
25	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
26	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
27	XSHOOTER spectroscopy of the enigmatic PN Lin49 in the SMC. Proceedings of the International Astronomical Union, 2016, 12, 254-258.	0.0	1
28	First-generation science cases for ground-based terahertz telescopes. Publication of the Astronomical Society of Japan, 2016, 68, .	2.5	12
29	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
30	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
31	A SEARCH FOR SUPERNOVA REMNANTS IN NGC 6946 USING THE [Fe II] 1.64 Î¼m LINE. Astronomical Journal, 2014, 148, 41.	4.7	10
32	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
33	Physical properties of fullerene-containing Galactic planetary nebulae. Monthly Notices of the Royal Astronomical Society, 2014, 437, 2577-2593.	4.4	62
34	The <i>Herschel</i> Planetary Nebula Survey (HerPlaNS). Astronomy and Astrophysics, 2014, 565, A36.	5.1	25
35	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
36	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

#	ARTICLE	IF	CITATIONS
37	CHEMICAL ABUNDANCES IN THE EXTREMELY CARBON-RICH AND XENON-RICH HALO PLANETARY NEBULA H4-1. <i>Astrophysical Journal</i> , 2013, 778, 146.	4.5	25
38	COJ= 2-1 EMISSION FROM EVOLVED STARS IN THE GALACTIC BULGE. <i>Astrophysical Journal</i> , 2013, 765, 20.	4.5	5
39	THE DETECTION OF C60 IN THE WELL-CHARACTERIZED PLANETARY NEBULA M1-11. <i>Astrophysical Journal</i> , 2013, 764, 77.	4.5	37
40	THIRTY YEARS OF SN 1980K: EVIDENCE FOR LIGHT ECHOES. <i>Astrophysical Journal</i> , 2012, 749, 170.	4.5	23
41	OPTICAL AND INFRARED ANALYSIS OF TYPE II SN 2006bc. <i>Astrophysical Journal</i> , 2012, 753, 109.	4.5	20
42	LATE-TIME LIGHT CURVES OF TYPE II SUPERNOVAE: PHYSICAL PROPERTIES OF SUPERNOVAE AND THEIR ENVIRONMENT. <i>Astrophysical Journal</i> , 2012, 744, 26.	4.5	24
43	PHOTOMETRIC AND SPECTROSCOPIC EVOLUTION OF THE IIP SN 2007it TO DAY 944. <i>Astrophysical Journal</i> , 2011, 731, 47.	4.5	53
44	DUST AND CHEMICAL ABUNDANCES OF THE SAGITTARIUS DWARF GALAXY PLANETARY NEBULA Hen2-436. <i>Astrophysical Journal</i> , 2011, 729, 39.	4.5	35
45	The effects of dust on the optical and infrared evolution of SN 2004et. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 418, 1285-1307.	4.4	37
46	EVIDENCE FOR PRE-EXISTING DUST IN THE BRIGHT TYPE II <sub>n</sub> SN 2010jl. <i>Astronomical Journal</i> , 2011, 142, 45.	4.7	55
47	Herschel Detects a Massive Dust Reservoir in Supernova 1987A. <i>Science</i> , 2011, 333, 1258-1261.	12.6	294
48	Performance of the WIYN high-resolution infrared camera. <i>Proceedings of SPIE</i> , 2010, , .	0.8	0
49	THE ORIGIN AND EVOLUTION OF THE HALO PN BoBn 1: FROM A VIEWPOINT OF CHEMICAL ABUNDANCES BASED ON MULTIWAVELENGTH SPECTRA. <i>Astrophysical Journal</i> , 2010, 723, 658-683.	4.5	43
50	Dust in the bright supernova remnant N49 in the LMC. <i>Astronomy and Astrophysics</i> , 2010, 518, L139.	5.1	38
51	<i>HERschel</i> Inventory of The Agents of Galaxy Evolution (HERITAGE): The Large Magellanic Cloud dust. <i>Astronomy and Astrophysics</i> , 2010, 518, L71.	5.1	103
52	HIGH-DISPERSION SPECTRUM OF THE HALO PLANETARY NEBULA DdDm 1. <i>Astrophysical Journal</i> , 2009, 705, 509-528.	4.5	19
53	A search for <i>s</i>-process elements in extremely metal-poor halo planetary nebulae. <i>Proceedings of the International Astronomical Union</i> , 2009, 5, 77-78.	0.0	0
54	TRANSIENT JETS IN THE SYMBIOTIC PROTOTYPE Z ANDROMEDAE. <i>Astrophysical Journal</i> , 2009, 690, 1222-1235.	4.5	21

#	ARTICLE	IF	CITATIONS
55	ISLE: near-infrared imager/spectrograph for the 1.88m Telescope at Okayama Astrophysical Observatory. Proceedings of SPIE, 2008, , .	0.8	12
56	The Origin and Evolution of the Extremely Metal-Poor Halo Planetary Nebulae. AIP Conference Proceedings, 2008, , .	0.4	0
57	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
58	High resolution spectroscopic study of the Halo PNe: the case of H 4 <sup>+</sup> . Proceedings of the International Astronomical Union, 2006, 2, 235.	0.0	0
59	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
60	Structure of the hot object in the symbiotic prototype Z <sup>+</sup> Andromedae during its 2000 <sup>+</sup> 03 active phase. Astronomy and Astrophysics, 2006, 453, 279-293.	5.1	25
61	Highly Resolved Spectroscopic Study of PNe with HIDES A Case Study of NGC 6572. AIP Conference Proceedings, 2005, , .	0.4	0
62	A multiple mass-ejection by the symbiotic prototype Z And during its 2000 <sup>+</sup> 03 outburst. AIP Conference Proceedings, 2005, , .	0.4	0
63	Analysis of Internal Motions in the Halo Planetary Nebula H4 <sup>+</sup> . Publications of the Astronomical Society of the Pacific, 2003, 115, 67-79.	3.1	10
64	Dy <sup>3+</sup> and Er <sup>3+</sup> codoped YBr <sub>3</sub> upconversion phosphor for detection of 1.3 <sup>+</sup> 4m band infrared light. Electronics and Communications in Japan, 1996, 79, 23-30.	0.2	0