

# Shogo Nishiyama

## List of Publications by Year in descending order

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Version: 2024-02-01

51  
papers

2,749  
citations

201674

27  
h-index

197818

49  
g-index

51  
all docs

51  
docs citations

51  
times ranked

2871  
citing authors

#	ARTICLE	IF	CITATIONS
1	INTERSTELLAR EXTINCTION LAW TOWARD THE GALACTIC CENTER III: $J$ , $H$ , $K_s$ BANDS IN THE 2MASS AND THE MKO SYSTEMS, AND 3.6, 4.5, 5.8, 8.0 $\mu\text{m}$ IN THE SPITZER/IRAC SYSTEM. <i>Astrophysical Journal</i> , 2009, 696, 1407-1417.	4.5	316
2	Relativistic redshift of the star S0-2 orbiting the Galactic Center supermassive black hole. <i>Science</i> , 2019, 365, 664-668.	12.6	270
3	The IRSF Magellanic Clouds Point Source Catalog. <i>Publication of the Astronomical Society of Japan</i> , 2007, 59, 615-641.	2.5	212
4	Interstellar Extinction Law in the $J$ , $H$ , and $K_s$ Bands toward the Galactic Center. <i>Astrophysical Journal</i> , 2006, 638, 839-846.	4.5	187
5	A CATALOG OF X-RAY POINT SOURCES FROM TWO MEGASECONDS OF CHANDRA OBSERVATIONS OF THE GALACTIC CENTER. <i>Astrophysical Journal, Supplement Series</i> , 2009, 181, 110-128.	7.7	147
6	The Interstellar Extinction Law toward the Galactic Center. II. $V$ , $J$ , $H$ , and $K_s$ Bands. <i>Astrophysical Journal</i> , 2008, 680, 1174-1179.	4.5	123
7	NEAR-INFRARED-IMAGING POLARIMETRY TOWARD SERPENS SOUTH: REVEALING THE IMPORTANCE OF THE MAGNETIC FIELD. <i>Astrophysical Journal</i> , 2011, 734, 63.	4.5	104
8	A near-infrared survey of Miras and the distance to the Galactic Centre. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 399, 1709-1729.	4.4	91
9	A Distinct Structure inside the Galactic Bar. <i>Astrophysical Journal</i> , 2005, 621, L105-L108.	4.5	86
10	The Distance to the Galactic Center Derived from Infrared Photometry of Bulge Red Clump Stars. <i>Astrophysical Journal</i> , 2006, 647, 1093-1098.	4.5	82
11	Early formation and recent starburst activity in the nuclear disk of the Milky Way. <i>Nature Astronomy</i> , 2020, 4, 377-381.	10.1	75
12	Direct Imaging of Bridged Twin Protoplanetary Disks in a Young Multiple Star. <i>Science</i> , 2010, 327, 306-308.	12.6	73
13	Three classical Cepheid variable stars in the nuclear bulge of the Milky Way. <i>Nature</i> , 2011, 477, 188-190.	27.8	72
14	The period-luminosity relation for type II Cepheids in globular clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 370, 1979-1990.	4.4	67
15	MOA 2010-BLG-477Lb: CONSTRAINING THE MASS OF A MICROLENSING PLANET FROM MICROLENSING PARALLAX, ORBITAL MOTION, AND DETECTION OF BLENDED LIGHT. <i>Astrophysical Journal</i> , 2012, 754, 73.	4.5	64
16	GALACTICNUCLEUS: A high angular resolution $JHK_s$ imaging survey of the Galactic centre. <i>Astronomy and Astrophysics</i> , 2018, 610, A83.	5.1	54
17	Cepheids and other short-period variables near the Galactic Centre. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 429, 385-397.	4.4	53
18	IRSF SIRIUS $JHK_s$ Simultaneous Transit Photometry of GJ 1214b. <i>Publication of the Astronomical Society of Japan</i> , 2013, 65, .	2.5	52

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19	MOLECULAR OUTFLOWS FROM THE PROTOCLUSTER SERPENS SOUTH. <i>Astrophysical Journal</i> , 2011, 737, 56.	4.5	49
20	MULTI-BAND, MULTI-EPOCH OBSERVATIONS OF THE TRANSITING WARM JUPITER WASP-80b. <i>Astrophysical Journal</i> , 2014, 790, 108.	4.5	44
21	THE WIDEST-SEPARATION SUBSTELLAR COMPANION CANDIDATE TO A BINARY T TAURI STAR. <i>Astronomical Journal</i> , 2011, 141, 119.	4.7	43
22	MAGNETICALLY CONFINED INTERSTELLAR HOT PLASMA IN THE NUCLEAR BULGE OF OUR GALAXY. <i>Astrophysical Journal Letters</i> , 2013, 769, L28.	8.3	42
23	MAGNETIC FIELD CONFIGURATION AT THE GALACTIC CENTER INVESTIGATED BY WIDE-FIELD NEAR-INFRARED POLARIMETRY: TRANSITION FROM A TOROIDAL TO A POLOIDAL MAGNETIC FIELD. <i>Astrophysical Journal Letters</i> , 2010, 722, L23-L27.	8.3	38
24	NEAR-INFRARED IMAGING POLARIMETRY OF THE SERPENS CLOUD CORE: MAGNETIC FIELD STRUCTURE, OUTFLOWS, AND INFLOWS IN A CLUSTER FORMING CLUMP. <i>Astrophysical Journal</i> , 2010, 716, 299-314.	4.5	35
25	KINEMATICS OF CLASSICAL CEPHEIDS IN THE NUCLEAR STELLAR DISK. <i>Astrophysical Journal</i> , 2015, 799, 46.	4.5	34
26	A lack of classical Cepheids in the inner part of the Galactic disc. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 462, 414-420.	4.4	33
27	Search for a Variation of the Fine Structure Constant around the Supermassive Black Hole in Our Galactic Center. <i>Physical Review Letters</i> , 2020, 124, 081101.	7.8	32
28	NEAR-INFRARED COUNTERPARTS TO CHANDRA X-RAY SOURCES TOWARD THE GALACTIC CENTER. I. STATISTICS AND A CATALOG OF CANDIDATES. <i>Astrophysical Journal</i> , 2009, 703, 30-41.	4.5	30
29	WIDE-FIELD INFRARED POLARIMETRY OF THE OPHIUCHI CLOUD CORE. <i>Astrophysical Journal, Supplement Series</i> , 2015, 220, 17.	7.7	21
30	Near-Infrared Polarimetry of the Eagle Nebula (M 16). <i>Publication of the Astronomical Society of Japan</i> , 2007, 59, 507-517.	2.5	19
31	Near-Infrared Extinction Law in the Ophiuchi and Chamaeleon Dark Clouds. <i>Astrophysical Journal</i> , 2006, 640, 373-382.	4.5	18
32	Near-Infrared Observations of N11 in the Large Magellanic Cloud: Triggered Star Formation around the Periphery of LH 9. <i>Astronomical Journal</i> , 2006, 132, 2653-2664.	4.7	18
33	DEEP K <sub>s</sub> -NEAR-INFRARED SURFACE PHOTOMETRY OF 80 DWARF IRREGULAR GALAXIES IN THE LOCAL VOLUME. <i>Astrophysical Journal</i> , 2010, 716, 792-809.	4.5	18
34	EXTENDED SUBMILLIMETER EMISSION OF THE GALACTIC CENTER AND NEAR-INFRARED/SUBMILLIMETER VARIABILITY OF ITS SUPERMASSIVE BLACK HOLE. <i>Astrophysical Journal</i> , 2011, 738, 158.	4.5	18
35	Near-Infrared Photometric Monitoring of the Pre-Main-Sequence Object KH 15D. <i>Astrophysical Journal</i> , 2005, 632, L139-L142.	4.5	16
36	Herbig Ae/Be Stars in the Magellanic Bridge. <i>Astrophysical Journal</i> , 2007, 658, 358-366.	4.5	16

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37	Deep Near-Infrared Imaging toward the Vela Molecular Ridge C. II. New Protostars and Embedded Clusters in Vela C. <i>Astronomical Journal</i> , 2006, 132, 1692-1706.	4.7	14
38	Near-Infrared Extinction in the Coalsack Globule 2. <i>Astrophysical Journal</i> , 2007, 658, 1114-1118.	4.5	14
39	NEAR-INFRARED POLARIMETRY OF FLARES FROM Sgr A* WITH SUBARU/CIAO. <i>Astrophysical Journal</i> , 2009, 702, L56-L60.	4.5	13
40	THE EFFICIENCY AND WAVELENGTH DEPENDENCE OF NEAR-INFRARED INTERSTELLAR POLARIZATION TOWARD THE GALACTIC CENTER. <i>Astronomical Journal</i> , 2013, 145, 105.	4.7	12
41	Understanding the Links among the Magnetic Fields, Filament, Bipolar Bubble, and Star Formation in RCW 57A Using NIR Polarimetry. <i>Astrophysical Journal</i> , 2017, 850, 195.	4.5	10
42	Near-infrared study of CIZA J1324.7-5736, the second richest cluster of galaxies in the Great Attractor. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 368, 534-543.	4.4	8
43	The age and metallicity dependence of the near-infrared magnitudes of red clump stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 486, 5600-5613.	4.4	7
44	Number density distribution of near-infrared sources on a sub-degree scale in the Galactic center: Comparison with the Fe K $\alpha$ line at 6.7 keV. <i>Publication of the Astronomical Society of Japan</i> , 2015, 67, .	2.5	6
45	INTRINSICALLY POLARIZED STARS AND IMPLICATION FOR STAR FORMATION IN THE CENTRAL PARSEC OF OUR GALAXY. <i>Astrophysical Journal</i> , 2013, 778, 92.	4.5	5
46	Magnetic Stability of Massive Star-forming Clumps in RCW 106. <i>Astrophysical Journal Letters</i> , 2019, 875, L16.	8.3	4
47	V5852 Sgr: an unusual nova possibly associated with the Sagittarius stream. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 461, 1529-1538.	4.4	2
48	YOUNG STELLAR OBJECT SEARCH TOWARD THE BOUNDARY OF THE CENTRAL MOLECULAR ZONE WITH NEAR-INFRARED POLARIMETRY. <i>Astrophysical Journal, Supplement Series</i> , 2014, 213, 22.	7.7	1
49	High-resolution Observations of Cen A: Yellow and Red Supergiants in a Region of Jet-induced Star Formation?*. <i>Astrophysical Journal</i> , 2018, 852, 63.	4.5	1
50	Near-infrared Polarimetry and Interstellar Magnetic Fields in the Galactic Center. <i>Proceedings of the International Astronomical Union</i> , 2012, 10, 387-387.	0.0	0
51	The origin of the Galactic center diffuse X-ray emission investigated by near-infrared imaging and polarimetric observations. <i>Proceedings of the International Astronomical Union</i> , 2013, 9, 449-453.	0.0	0