Kwang-Il Seon

List of Publications by Year
in descending order

90 papers	905 citations	516710 16 h-index	552781 26 g-index
92 all docs	92 docs citations	92 times ranked	1034 citing authors

#	Article	IF	Citations
1	RADIATIVE TRANSFER MODEL OF DUST ATTENUATION CURVES IN CLUMPY, GALACTIC ENVIRONMENTS. Astrophysical Journal, 2016, 833, 201.	4.5	60
2	The "Spectroscopy of Plasma Evolution from Astrophysical Radiation" Mission. Astrophysical Journal, 2006, 644, L153-L158.	4.5	55
3	The SPEAR Instrument and On-Orbit Performance. Astrophysical Journal, 2006, 644, L159-L162.	4.5	55
4	OBSERVATION OF THE FAR-ULTRAVIOLET CONTINUUM BACKGROUND WITH SPEAR/FIMS. Astrophysical Journal, Supplement Series, 2011, 196, 15.	7.7	45
5	ON THE ORIGINS OF THE DIFFUSE HÎ± EMISSION: IONIZED GAS OR DUST-SCATTERED HÎ± HALOS?. Astrophysical Journal, 2012, 758, 109.	4.5	38
6	CAN THE LYMAN CONTINUUM LEAKED OUT OF H II REGIONS EXPLAIN DIFFUSE IONIZED GAS?. Astrophysical Journal, 2009, 703, 1159-1167.	4.5	37
7	DIFFUSE EXTRAPLANAR DUST IN NGC 891. Astrophysical Journal Letters, 2014, 785, L18.	8.3	35
8	COMPARISON OF THE DIFFUSE HÎ± AND FUV CONTINUUM BACKGROUNDS: ON THE ORIGINS OF THE DIFFUSE HÎ± BACKGROUND. Astrophysical Journal, 2011, 743, 188.	4.5	25
9	Far-Ultraviolet Observations of a Thermal Interface in the Orion-Eridanus Superbubble. Astrophysical Journal, 2006, 644, L167-L170.	4.5	21
10	Far-Ultraviolet Spectral Images of the Cygnus Loop. Astrophysical Journal, 2006, 644, L175-L179.	4.5	21
11	Diffuse Far-Ultraviolet Observations of the Taurus Region. Astrophysical Journal, 2006, 644, L181-L184.	4.5	21
12	Far-Ultraviolet Spectral Images of the Vela Supernova Remnant. Astrophysical Journal, 2006, 644, L171-L174.	4.5	20
13	FAR-ULTRAVIOLET OBSERVATIONS OF THE TAURUS-PERSEUS-AURIGA COMPLEX. Astrophysical Journal, 2013, 765, 107.	4.5	20
14	Farâ€Ultraviolet Observations of the Ophiuchus Region with SPEAR. Astrophysical Journal, 2008, 686, 1155-1161.	4.5	19
15	LyÎ± Radiative Transfer: Monte Carlo Simulation of the Wouthuysenâ€“Field Effect. Astrophysical Journal, Supplement Series, 2020, 250, 9.	7.7	19
16	ULTRAVIOLET RADIATIVE TRANSFER MODELING OF NEARBY GALAXIES WITH EXTRAPLANAR DUSTS. Astrophysical Journal, 2015, 815, 133.	4.5	17
17	A Far-ultraviolet Fluorescent Molecular Hydrogen Emission Map of the Milky Way Galaxy. Astrophysical Journal, Supplement Series, 2017, 231, 21.	7.7	16
18	AKARINEAR-INFRARED SPECTRAL OBSERVATIONS OF SHOCKED H₂GAS OF THE SUPERNOVA REMNANT IC 443. Astrophysical Journal, 2011, 732, 124.	4.5	15

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19	Comparison of the Extraplanar HÎ± and UV Emissions in the Halos of Nearby Edge-on Spiral Galaxies. Astrophysical Journal, 2018, 862, 25.	4.5	15
20	SIMULATION STUDY OF DUST-SCATTERED FAR-ULTRAVIOLET EMISSION IN THE ORION-ERIDANUS SUPERBUBBLE. Astrophysical Journal, 2012, 756, 38.	4.5	14
21	KMTNet Nearby Galaxy Survey II. Searching for Dwarf Galaxies in Deep and Wide-field Images of the NGC 1291 System. Astrophysical Journal, 2020, 891, 18.	4.5	14
22	LyÎ± Radiative Transfer: Modeling Spectrum and Surface Brightness Profiles of LyÎ±-emitting Galaxies at ZÂ=Â3â€“6. Astrophysical Journal, 2020, 901, 41.	4.5	14
23	Far-Ultraviolet Observations of the Loop I/North Polar Spur Region. Astrophysical Journal, 2007, 665, L39-L42.	4.5	13
24	Far-Ultraviolet Observations of the Monogem Ring. Astrophysical Journal, 2007, 665, L139-L142.	4.5	13
25	FAR-ULTRAVIOLET OBSERVATIONS OF THE SPICA NEBULA AND THE INTERACTION ZONE. Astrophysical Journal, 2013, 774, 34.	4.5	13
26	A Low-State Eclipse Spectrum of Hercules X-1 Observed with [ITAL]ASCA[/ITAL]. Astrophysical Journal, 1997, 476, L81-L84.	4.5	13
27	Imaging x-ray crystal spectrometers for KSTAR. Review of Scientific Instruments, 2003, 74, 1997-2000.	1.3	12
28	FAR-ULTRAVIOLET OBSERVATION OF THE DRACO CLOUD WITH FIMS/SPEAR. Astrophysical Journal, 2009, 700, 155-160.	4.5	12
29	ANALYSIS OF SPATIAL STRUCTURE OF THE SPICA H II REGION. Astrophysical Journal, 2010, 719, 1964-1968.	4.5	11
30	FAR-ULTRAVIOLET SPECTRAL IMAGES OF THE ORION-ERIDANUS SUPERBUBBLE REGION. Astrophysical Journal, 2011, 738, 91.	4.5	11
31	MIRIS: A Compact Wide-field Infrared Space Telescope. Publications of the Astronomical Society of the Pacific, 2014, 126, 853-862.	3.1	11
32	IS THE DUST CLOUD AROUND LAMBDA ORIONIS A RING OR A SHELL, OR BOTH?. Astrophysical Journal, 2015, 806, 274.	4.5	10
33	C IV EMISSION-LINE DETECTION OF THE SUPERNOVA REMNANT RCW 114. Astrophysical Journal, 2010, 709, 823-831.	4.5	9
34	THE COLUMN DENSITY VARIANCE IN TURBULENT INTERSTELLAR MEDIA: A FRACTAL MODEL APPROACH. Astrophysical Journal Letters, 2012, 761, L17.	8.3	9
35	GLOBAL FAR-ULTRAVIOLET PROPERTIES OF THE CYGNUS LOOP. Astrophysical Journal, 2014, 784, 12.	4.5	9
36	FAR-ULTRAVIOLET STUDY OF THE Î¶-OPHIUCHI H II REGION. Astrophysical Journal, 2015, 800, 132.	4.5	9

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37	FAR-ULTRAVIOLET SPECTRAL IMAGES OF THE VELA SUPERNOVA REMNANT: SUPPLEMENTS AND COMPARISONS WITH OTHER WAVELENGTH IMAGES. Astrophysical Journal, 2012, 761, 135.	4.5	8
38	Results ofGinga/ROSATSimultaneous Observation of the Xâ€Ray Burst Source 1735âˆ’444. Astrophysical Journal, 1997, 479, 398-407.	4.5	7
39	Global Far-Ultraviolet Image of the Eridanus Superbubble Observed by FIMS/SPEAR. Astrophysical Journal, 2008, 678, L29-L33.	4.5	7
40	FAR-ULTRAVIOLET OBSERVATION OF THE AQUILA RIFT WITHFIMS/SPEAR. Astrophysical Journal, 2012, 754, 10.	4.5	7
41	DUST SCATTERING IN TURBULENT MEDIA: CORRELATION BETWEEN THE SCATTERED LIGHT AND DUST COLUMN DENSITY. Astrophysical Journal Letters, 2013, 778, L40.	8.3	7
42	KMTNet Nearby Galaxy Survey. I. Optimal Strategy for Low Surface Brightness Imaging with KMTNet. Astronomical Journal, 2018, 156, 249.	4.7	7
43	Polarization as a Probe of Thick Dust Disks in Edge-on Galaxies: Application to NGC 891. Astrophysical Journal, 2018, 862, 87.	4.5	7
44	New Features of the X-Ray Dip Source 1755-338. Astrophysical Journal, 1995, 454, 463.	4.5	7
45	MONTE-CARLO RADIATIVE TRANSFER MODEL OF THE DIFFUSE GALACTIC LIGHT. Journal of the Korean Astronomical Society, 2015, 48, 57-66.	1.5	7
46	LyÎ± Radiative Transfer: A Stokes Vector Approach to LyÎ± Polarization. Astrophysical Journal, Supplement Series, 2022, 259, 3.	7.7	7
47	System design of the compact IR space imaging system MIRIS. Proceedings of SPIE, 2010, , .	0.8	6
48	LOGNORMAL INTENSITY DISTRIBUTION OF THE FAR-ULTRAVIOLET CONTINUUM BACKGROUND SHORTWARD OF LyÎ±. Astrophysical Journal, 2013, 772, 57.	4.5	6
49	Extreme Ultraviolet ExplorerObservations of PSR B0656+14. Astrophysical Journal, 2000, 539, 902-907.	4.5	6
50	Radiative transfer in disc galaxies â€“ V. The accuracy of the. Monthly Notices of the Royal Astronomical Society, 2016, 463, 2912-2921.	4.4	5
51	Observations of Molecular Hydrogen in the Carina Nebula. Astrophysical Journal, 2000, 545, 885-891.	4.5	5
52	WHAT DETERMINES THE SIZES OF RED EARLY-TYPE GALAXIES?. Astrophysical Journal Letters, 2013, 762, L4.	8.3	5
53	The SPEAR science payload. , 2003, , .		4
54	FAR-ULTRAVIOLET EMISSION-LINE MORPHOLOGIES OF THE SUPERNOVA REMNANT G65.3+5.7. Astrophysical Journal, 2010, 722, 388-394.	4.5	4

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55	Far-ultraviolet observations of the Rho Ophiuchi cloud complex. Monthly Notices of the Royal Astronomical Society, 2015, 449, 605-611.	4.4	4
56	MIRIS PaÎ± Galactic Plane Survey. I. Comparison with IPHAS HÎ± in â„“Â=Â96Â°â€“116Â°. Astrophysical Journal, Supplement Series, 2018, 238, 28.	7.7	4
57	Global Distribution of Far-ultraviolet Emissions from Highly Ionized Gas in the Milky Way. Astrophysical Journal, Supplement Series, 2019, 243, 9.	7.7	4
58	Optics development for the SPEAR mission. , 2003, 4854, 457.		3
59	MEASURABLE RELATIONSHIP BETWEEN BRIGHT GALAXIES AND THEIR FAINT COMPANIONS IN WHL J085910.0+294957, A GALAXY CLUSTER ATz= 0.30: VESTIGES OF INFALLEN GROUPS?. Astrophysical Journal, 2014, 791, 82.	4.5	3
60	Bright stars observed by FIMS/SPEAR. Monthly Notices of the Royal Astronomical Society, 2016, 456, 417-430.	4.4	3
61	KMTNet Nearby Galaxy Survey. III. Deficient HÎ± Flux in the Extended Disks of Spiral Galaxies. Astrophysical Journal, 2021, 918, 82.	4.5	3
62	Ionization balance for Ti and Cr ions: effects of uncertainty in dielectronic recombination rate. Journal of Physics B: Atomic, Molecular and Optical Physics, 2003, 36, 2679-2694.	1.5	2
63	Monte Carlo Modeling of Compton-Scattering Angles in a Mildly Relativistic Plasma. Publication of the Astronomical Society of Japan, 2006, 58, 439-443.	2.5	2
64	FAR-ULTRAVIOLET STUDY OF THE LOCAL SUPERSHELL GSH 006â€“15+7. Astrophysical Journal, 2015, 807, 68.	4.5	2
65	Retrieval of haze properties and HCN concentrations from the three-micron spectrum of Titan. Journal of Quantitative Spectroscopy and Radiative Transfer, 2018, 210, 197-203.	2.3	2
66	Extreme-Ultraviolet Observations of Nine Pulsars. Astronomical Journal, 1998, 115, 2097-2100.	4.7	2
67	Testing method of off-axis parabolic cylinder mirror for FIMS. , 2000, , .		1
68	Detection of a large amount of diffuse extraplanar dust in NGC 891. Proceedings of the International Astronomical Union, 2011, 7, 135-137.	0.0	1
69	Construction of a far-ultraviolet all-sky map from an incomplete survey: application of a deep learning algorithm. Monthly Notices of the Royal Astronomical Society, 2021, 502, 3200-3209.	4.4	1
70	Space missions for astronomy and astrophysics in Korea: past, present, and future. Journal of the Korean Physical Society, 2021, 78, 942-971.	0.7	1
71	CHARGE EXCHANGE EFFECTS IN COLLISIONAL IONIZATION EQUILIBRIUM OF C, N, AND O IONS. Journal of Astronomy and Space Sciences, 2004, 21, 343-350.	1.0	1
72	FIMS WAVELENGTH CALIBRATION VIA AIRGLOW LINE OBSERVATIONS. Journal of Astronomy and Space Sciences, 2004, 21, 391-398.	1.0	1

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73	FUV IMAGING SPECTROSCOPIC OBSERVATIONS OF INTERSTELLAR MEDIUM WITH FIMS. Journal of the Korean Astronomical Society, 2005, 38, 69-72.	1.5	1
74	OPTICAL DESIGN OF FIMS TYPE FAR ULTRAVIOLET SPECTROGRAPH FOR SPACE OBSERVATION. Publications of the Korean Astronomical Society, 2004, 19, 65-70.	0.0	1
75	Development of the Far-ultraviolet Imaging Spectrograph on KAISTSAT-4. International Astronomical Union Colloquium, 2001, 183, 113-114.	0.1	0
76	Implications of the SPEAR FUV Maps on Our Understanding of the ISM. , 2009, , .		0
77	On the origins of the diffuse HÎ± emission: ionized gas or dust-scattered HÎ± halos?. Proceedings of the International Astronomical Union, 2012, 10, 576-576.	0.0	0
78	High-resolution Near-infrared Spectroscopy of Diffuse Sources around MWC 1080. Astronomical Journal, 2021, 162, 24.	4.7	0
79	MEASUREMENT OF TELESCOPE ABERRATIONS USING CURVATURE SENSING TECHNIQUE. Publications of the Korean Astronomical Society, 2004, 19, 71-76.	0.0	0
80	INTENSITY RATIO OF [O I] Î»6300 AND HÎ±IN COLLISIONAL IONIZATION EQUILIBRIUM. Publications of the Korean Astronomical Society, 2004, 19, 17-20.	0.0	0
81	PRELIMINARY FEASIBILITY STUDY OF THE SOLAR OBSERVATION PAYLOADS FOR STSAT-CLASS SATELLITES. Journal of Astronomy and Space Sciences, 2004, 21, 329-342.	1.0	0
82	INTENSITY ESTIMATION OF WEAK EMISSION LINES. Publications of the Korean Astronomical Society, 2005, 20, 49-53.	0.0	0
83	ORFEUS SURVEYS OF THE INTERSTELLAR MOLECULAR HYDROGEN. Publications of the Korean Astronomical Society, 2005, 20, 11-20.	0.0	0
84	ON THE BACKGROUND-SUBTRACTED INTENSITY. Publications of the Korean Astronomical Society, 2005, 20, 109-116.	0.0	0
85	MODEL CALCULATIONS OF THE UV - EXCITED MOLECULAR HYDROGEN IN INTERSTELLAR CLOUDS. Publications of the Korean Astronomical Society, 2005, 20, 7-10.	0.0	0
86	PHOTOIONIZATION MODELS OF THE WARM IONIZED MEDIUM IN THE GALAXY. Publications of the Korean Astronomical Society, 2007, 22, 89-95.	0.0	0
87	THE LYMAN-CONTINUUM LUMINOSITIES OF OB-TYPE STARS. Publications of the Korean Astronomical Society, 2007, 22, 97-101.	0.0	0
88	PREDICTION OF THE DETECTION LIMIT IN A NEW COUNTING EXPERIMENT. Journal of the Korean Astronomical Society, 2008, 41, 99-107.	1.5	0
89	AN EFFICIENT MONTE-CARLO ALGORITHM FOR DUST-SCATTERING STUDY. Publications of the Korean Astronomical Society, 2010, 25, 177-186.	0.0	0
90	COMPARISON OF TWO SCATTERING PHASE FUNCTIONS IN MULTIPLE SCATTERING ENVIRONMENT. Publications of the Korean Astronomical Society, 2010, 25, 113-118.	0.0	0