Paul Wiita

List of Publications by Year in descending order

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136	3,224	136885	206029
papers	citations	32 h-index	48 g-index

138	138	138	2005
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Double-period Oscillation Signal in Millimeter Emission of the Radio Galaxy NGC 1275. Astrophysical Journal, 2022, 925, 207.	1.6	4
2	Multiwavelength Variability Power Spectrum Analysis of the Blazars 3C 279 and PKS 1510â€“089 on Multiple Timescales. Astrophysical Journal, 2022, 927, 214.	1.6	14
3	Long-term Multiband Near-infrared Variability of the Blazar OJ 287 during 2007â€“2021. Astrophysical Journal, Supplement Series, 2022, 260, 39.	3.0	5
4	X-Ray Intraday Variability of the TeV Blazar PKS 2155â€“304 with Suzaku during 2005â€“2014. Astrophysical Journal, 2021, 909, 103.	1.6	13
5	Optical Variability of the TeV Blazar 1ES 0806+524 on Diverse Timescales. Astrophysical Journal, 2020, 890, 72.	1.6	12
6	Multi-waveband quasi-periodic oscillations in the light curves of blazar CTA 102 during its 2016â€“2017 optical outburst. Astronomy and Astrophysics, 2020, 642, A129.	2.1	18
7	Measuring the Variability in K2 Optical Light Curves of 3C 273 and Other Fermi Active Galactic Nuclei in 2015â€“2017. Astrophysical Journal, 2020, 903, 134.	1.6	3
8	Signature of Stochastic Acceleration and Cooling Processes in an Outburst Phase of the TeV Blazar ON 231. Astrophysical Journal, 2019, 880, 19.	1.6	5
9	X-Ray Intraday Variability of the TeV Blazar Mrk 421 with Suzaku. Astrophysical Journal, 2019, 884, 125.	1.6	18
10	Measuring the Variability in K2 Optical Light Curves of the Binary Black Hole Candidate OJ 287 and Other Fermi Active Galactic Nuclei in 2014â€“2015. Astrophysical Journal, 2019, 877, 151.	1.6	9
11	Characterizing Optical Variability of OJ 287 in 2016â€“2017. Astronomical Journal, 2019, 157, 95.	1.9	28
12	Optical Flux and Spectral Variability of the TeV Blazar PG 1553+113. Astrophysical Journal, 2019, 871, 192.	1.6	19
13	Long-term Variability and Correlation Study of the Blazar 3C 454.3 in the Radio, NIR, and Optical Wavebands. Astrophysical Journal, 2019, 887, 185.	1.6	24
14	X-shaped Radio Galaxies: Optical Properties, Large-scale Environment, and Relationship to Radio Structure. Astrophysical Journal, 2019, 887, 266.	1.6	15
15	Radio-loud Active Galactic Nucleus Variability from Three-dimensional Propagating Relativistic Jets. Astrophysical Journal, 2018, 869, 32.	1.6	11
16	Stochastic Modeling of Multiwavelength Variability of the Classical BL Lac Object OJ 287 on Timescales Ranging from Decades to Hours. Astrophysical Journal, 2018, 863, 175.	1.6	56
17	X-Ray Flux and Spectral Variability of Six TeV Blazars with NuSTAR. Astrophysical Journal, 2018, 859, 49.	1.6	17
18	Multiwavelength Variability Study of the Classical BL Lac Object PKS 0735+178 on Timescales Ranging from Decades to Minutes. Astrophysical Journal, 2017, 837, 127.	1.6	27

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19	X-Ray Intraday Variability of Five TeV Blazars with NuSTAR. Astrophysical Journal, 2017, 841, 123.	1.6	41
20	Multi-Band Intra-Night Optical Variability of BL Lacertae. Galaxies, 2017, 5, 94.	1.1	4
21	Modeling the Emission from Turbulent Relativistic Jets in Active Galactic Nuclei. Journal of Astrophysics and Astronomy, 2015, 36, 255-268.	0.4	41
22	Multiband variability in the blazar 3C 273 with XMMâ€“Newton. Monthly Notices of the Royal Astronomical Society, 2015, 451, 1356-1365.	1.6	26
23	Black hole spin dependence of general relativistic multi-transonic accretion close to the horizon. New Astronomy, 2015, 37, 81-104.	0.8	12
24	Extragalactic radio sources with sharply inverted spectrum at metre wavelengths. Monthly Notices of the Royal Astronomical Society, 2014, 443, 2824-2829.	1.6	10
25	Spectral energy distributions of the BL Lac PKS 2155 - 304 from XMM-Newton. Monthly Notices of the Royal Astronomical Society, 2014, 444, 3647-3656.	1.6	12
26	INVESTIGATING THE VARIABILITY OF ACTIVE GALACTIC NUCLEI USING COMBINED MULTI-QUARTERKEPLERDATA. Astrophysical Journal, 2014, 785, 60.	1.6	30
27	On the Photometric Error Calibration for the Differential Light Curves of Point-like Active Galactic Nuclei. Journal of Astrophysics and Astronomy, 2013, 34, 273-296.	0.4	14
28	Constraints on supermassive black hole spins from observations of active galaxy jets. Astronomische Nachrichten, 2013, 334, 1024-1027.	0.6	3
29	Improved characterization of intranight optical variability of prominent AGN classes. Monthly Notices of the Royal Astronomical Society, 2013, 435, 1300-1312.	1.6	33
30	DISCOVERY OF GIANT RELIC RADIO LOBES STRADDLING THE CLASSICAL DOUBLE RADIO GALAXY 3C452. Astrophysical Journal Letters, 2013, 765, L11.	3.0	6
31	KEPLERPHOTOMETRY OF FOUR RADIO-LOUD ACTIVE GALACTIC NUCLEI IN 2010-2012. Astrophysical Journal, 2013, 773, 89.	1.6	30
32	Supermassive black hole mergers as dual sources for electromagnetic flares in the jet emission and gravitational waves. Astronomische Nachrichten, 2013, 334, 1032-1035.	0.6	3
33	Global cellular response to chemotherapy-induced apoptosis. ELife, 2013, 2, e01236.	2.8	59
34	Optical flux and spectral variability of blazars. Monthly Notices of the Royal Astronomical Society, 2012, 425, 3002-3023.	1.6	63
35	Probing spectral properties of radio-quiet quasars searched for optical microvariability - II. Monthly Notices of the Royal Astronomical Society, 2012, 419, 3433-3446.	1.6	2
36	Quasi-simultaneous two-band optical variability of the blazars 1ES 1959+650 and 1ES 2344+514. Monthly Notices of the Royal Astronomical Society, 2012, 420, 3147-3162.	1.6	51

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37	Radio continuum emission and Hâ€ƒi gas accretion in the NGC 5903/5898 compact group of early-type galaxies. Monthly Notices of the Royal Astronomical Society, 2012, 423, 1053-1059.	1.6	6
38	Optical microvariability properties of BALQSOs. Monthly Notices of the Royal Astronomical Society, 2011, 412, 2717-2728.	1.6	35
39	Optical intraday variability studies of 10 low energy peaked blazars. Monthly Notices of the Royal Astronomical Society, 2011, 413, 2157-2172.	1.6	31
40	Spectral energy distribution variation in BL Lacs and flat spectrum radio quasars. Monthly Notices of the Royal Astronomical Society, 2011, 417, 1881-1890.	1.6	17
41	Variability of Spectral Energy Distribution of Blazar S5 0716+714. Journal of Astrophysics and Astronomy, 2011, 32, 217-222.	0.4	2
42	Quasi-Periodic Oscillations in the X-ray Light Curves of Blazars. Journal of Astrophysics and Astronomy, 2011, 32, 147-154.	0.4	8
43	RADIO PROPERTIES OF LOW-REDSHIFT BROAD-LINE ACTIVE GALACTIC NUCLEI INCLUDING EXTENDED RADIO SOURCES. Astronomical Journal, 2011, 141, 85.	1.9	12
44	CORRELATIONS OF QUASAR OPTICAL SPECTRA WITH RADIO MORPHOLOGY. Astronomical Journal, 2011, 141, 182.	1.9	48
45	DETECTION OF INTRA-DAY VARIABILITY TIMESCALES OF FOUR HIGH-ENERGY PEAKED BLAZARS WITHXMM-NEWTON. Astrophysical Journal, 2010, 718, 279-291.	1.6	54
46	QUASI-PERIODIC OSCILLATIONS OF âˆ¼15 MINUTES IN THE OPTICAL LIGHT CURVE OF THE BL LAC S5 0716+714. Astrophysical Journal Letters, 2010, 719, L153-L157.	3.0	84
47	ULTRA-HIGH-ENERGY COSMIC RAYS FROM CENTAURUS A: JET INTERACTION WITH GASEOUS SHELLS. Astrophysical Journal Letters, 2010, 720, L155-L158.	3.0	31
48	Galaxy shells and the structure of radio galaxies: Clues from Centaurus A (NGC 5128). New Astronomy, 2010, 15, 96-101.	0.8	12
49	Optical variability of radio-intermediate quasars. Monthly Notices of the Royal Astronomical Society, 2010, 401, 2622-2634.	1.6	11
50	Probing spectral properties of radio-quiet quasars searched for optical microvariability. Monthly Notices of the Royal Astronomical Society, 2010, 402, 1059-1071.	1.6	10
51	A MULTIDIMENSIONAL RELATIVISTIC HYDRODYNAMIC CODE WITH A GENERAL EQUATION OF STATE. Astrophysical Journal, Supplement Series, 2010, 191, 113-123.	3.0	8
52	NEARLY PERIODIC FLUCTUATIONS IN THE LONG-TERM X-RAY LIGHT CURVES OF THE BLAZARS AO 0235+164 AND 1ES 2321+419. Astrophysical Journal, 2009, 696, 2170-2178.	1.6	62
53	A multifrequency study of possible relic lobes in giant radio sources. Monthly Notices of the Royal Astronomical Society, 2009, 396, 860-869.	1.6	4
54	The changing interstellar medium of massive elliptical galaxies and cosmic evolution of radio galaxies and quasars. Monthly Notices of the Royal Astronomical Society, 2009, 397, 2216-2224.	1.6	8

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55	Superdisks and the structural asymmetry of radio galaxies. New Astronomy, 2009, 14, 51-58.	0.8	5
56	AN EXPLICIT SCHEME FOR INCORPORATING AMBIPOLAR DIFFUSION IN A MAGNETOHYDRODYNAMICS CODE. Astrophysical Journal, Supplement Series, 2009, 181, 413-420.	3.0	35
57	Stellar Disruption by Supermassive Black Holes and the Quasar Radio Loudness Dichotomy. Astrophysical Journal, 2008, 680, L13-L16.	1.6	19
58	Hydrodynamic Interactions of Relativistic Extragalactic Jets with Dense Clouds. Astrophysical Journal, 2007, 655, 769-780.	1.6	21
59	Testing Models of Radio Galaxy Evolution and the Cosmological Impact of FR II Radio Galaxies. Astrophysical Journal, 2007, 658, 217-231.	1.6	23
60	Influence of the jet opening angle on the derived kinematical parameters of blazar jets having uniform and stratified bulk motion. Monthly Notices of the Royal Astronomical Society, 2007, 377, 446-452.	1.6	15
61	Superdiscs in radio galaxies: jetâ€“wind interactions. Monthly Notices of the Royal Astronomical Society, 2007, 380, 703-711.	1.6	8
62	Multiband optical monitoring of the blazars S5 0716+714 and BL Lacertae. Monthly Notices of the Royal Astronomical Society, 2006, 366, 1337-1345.	1.6	69
63	Bulk motion of ultrarelativistic conical blazar jets. Monthly Notices of the Royal Astronomical Society, 2006, 369, 1287-1292.	1.6	21
64	Testing models of the individual and cosmological evolutions of powerful radio galaxies. Monthly Notices of the Royal Astronomical Society, 2006, 372, 381-400.	1.6	22
65	Intranight optical variability of BL Lacs, radio-quiet quasars and radio-loud quasars. Monthly Notices of the Royal Astronomical Society, 2005, 356, 607-614.	1.6	50
66	Intranight optical variability of blazars. Monthly Notices of the Royal Astronomical Society, 2004, 348, 176-186.	1.6	66
67	Intranight optical variability of radio-quiet and radio lobe-dominated quasars. Monthly Notices of the Royal Astronomical Society, 2004, 350, 175-188.	1.6	65
68	Optical variability properties of high luminosity AGN classes. Journal of Astrophysics and Astronomy, 2004, 25, 1-55.	0.4	29
69	Do the Mildly Superluminal VLBI Knots Exclude Ultrarelativistic Blazar Jets?. Astrophysical Journal, 2004, 615, L81-L84.	1.6	26
70	The N Enrichment and Supernova Ejection of the Runaway Microquasar LS 5039. Astrophysical Journal, 2004, 600, 927-938.	1.6	64
71	The Dependence of General Relativistic Accretion on Black Hole Spin. Astrophysical Journal, 2004, 613, L49-L52.	1.6	36
72	Brightness Suppression of Relativistic Radio Jets of Quasars: The Role of the Lower Electron Energy Cutoff. Astrophysical Journal, 2004, 603, L9-L12.	1.6	13

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73	Symmetry Parameters of CSS Sources: Evidence of Fuelling?. Publications of the Astronomical Society of Australia, 2003, 20, 50-56.	1.3	22
74	The Origin of X-shaped Radio Galaxies: Clues from the Z-symmetric Secondary Lobes. Astrophysical Journal, 2003, 594, L103-L106.	1.6	69
75	Wind Accretion and State Transitions in Cygnus Xâ€1. Astrophysical Journal, 2003, 583, 424-436.	1.6	69
76	Clear Evidence for Intranight Optical Variability in Radio-quiet Quasars. Astrophysical Journal, 2003, 586, L25-L28.	1.6	65
77	The Spectral Components of SS 433. Astrophysical Journal, 2002, 566, 1069-1083.	1.6	62
78	On the Ejection Mechanism of Bullets in SS 433. Astrophysical Journal, 2002, 576, L45-L48.	1.6	16
79	Was the Cosmic Web of Protogalactic Material Permeated by Lobes of Radio Galaxies During the Quasar Era?. Astrophysical Journal, 2001, 560, L115-L118.	1.6	41
80	Rapid optical variability in radio-quiet QSOs. Monthly Notices of the Royal Astronomical Society, 2000, 314, 815-825.	1.6	24
81	Models for Accretion-Disk Fluctuations through Self-Organized Criticality Including Relativistic Effects. Publication of the Astronomical Society of Japan, 2000, 52, 1097-1107.	1.0	10
82	Superdisks in Radio Galaxies. Astrophysical Journal, 2000, 529, 189-200.	1.6	23
83	Radio Jet Interactions with Massive Clouds. Astrophysical Journal, 2000, 534, 201-212.	1.6	41
84	Xâ€Ray Variability of an Illuminated Irregular Accretion Disk around a Black Hole. Astrophysical Journal, 1999, 519, 80-88.	1.6	1
85	General Relativistic Effects on the Spectrum Reflected by Accretion Disks around Black Holes. Astrophysical Journal, 1998, 504, 58-63.	1.6	11
86	Instabilities in Threeâ€dimensional Simulations of Astrophysical Jets Crossing Tilted Interfaces. Astrophysical Journal, 1998, 493, 81-90.	1.6	16
87	The Flux Ratio of a Jet to Its Counterjet Revisited. Astrophysical Journal, 1997, 485, 136-142.	1.6	2
88	On the Variability Coherence Observed in Black Hole Candidates at Different Xâ€Ray Energies. Astrophysical Journal, 1997, 489, 819-821.	1.6	0
89	Polarization Variability of Active Galactic Nuclei and Xâ€Ray Binaries. Astrophysical Journal, 1997, 487, 142-152.	1.6	11
90	Energy-Dependent Polarization Variability as a Black Hole Signature. Physical Review Letters, 1996, 77, 12-15.	2.9	14

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91	Intranight optical monitoring of optically selected bright quasars. Monthly Notices of the Royal Astronomical Society, 1996, 281, 1267-1276.	1.6	20
92	On the Origin of Correlated Radio-optical Asymmetries in Double Radio Sources. Astrophysical Journal, 1996, 467, 191.	1.6	16
93	Three-dimensional Simulations of Extragalactic Jets Crossing Interstellar Medium/Intracluster Medium Interfaces. Astrophysical Journal, 1996, 470, 211.	1.6	24
94	The Linear Sizes of Quasars and Radio Galaxies in the Unified Scheme. Astrophysical Journal, 1996, 463, L1-L4.	1.6	28
95	Disk luminosity and angular momentum for accreting, weak field neutron stars in the â€˜Slowâ€™ rotation approximation. Journal of Astrophysics and Astronomy, 1995, 16, 357-374.	0.4	1
96	Intranight optical variability in optically selected QSOs. Monthly Notices of the Royal Astronomical Society, 1995, 274, 701-710.	1.6	41
97	Long-term hydrodynamical simulations of extragalactic radio jets. Astrophysical Journal, 1994, 423, 116.	1.6	17
98	Plasma mechanisms for variability in active galactic nuclei. Astrophysical Journal, 1994, 423, 172.	1.6	28
99	Variable emission lines as evidence of spiral shocks in accretion disks around active galactic nuclei. Astrophysical Journal, 1994, 434, 518.	1.6	49
100	Simultaneous synchrotron and adiabatic effects in multiply shocked jets in extended extragalactic radio sources. Astrophysical Journal, 1994, 434, 503.	1.6	0
101	Reconciling the magnetic field structures seen in variable active galactic nuclei with the unified scheme. Nature, 1993, 363, 142-144.	13.7	8
102	A search for intra-night optical variability in radio-quiet QSOs. Monthly Notices of the Royal Astronomical Society, 1993, 262, 963-969.	1.6	31
103	Accretion disk models for optical and ultraviolet microvariability in active galactic nuclei. Astrophysical Journal, 1993, 406, 420.	1.6	156
104	Spiral shocks in accretion disks as a contributor to variability in active galactic nuclei. Astrophysical Journal, 1993, 411, 602.	1.6	107
105	Squeezing gas through space. Nature, 1992, 355, 499-500.	13.7	3
106	Numerical simulations of hydrodynamical jets crossing a galactic halo/intracluster medium interface. Astrophysical Journal, 1992, 385, 478.	1.6	12
107	Standing shocks in accretion disks and the spectra of active galactic nuclei. Astrophysical Journal, 1992, 387, L21.	1.6	10
108	Gaseous halos of elliptical galaxies, the cosmic evolution of their radio sizes, and the phenomenon of compact steep-spectrum sources. Astrophysical Journal, 1991, 373, 325.	1.6	53

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109	Statistical analysis of power-size-redshift distributions of extragalactic jets. Astrophysical Journal, 1991, 371, 501.	1.6	0
110	Expanding hydrodynamical jets crossing a galactic halo/intergalactic medium interface. Astrophysical Journal, 1990, 350, 545.	1.6	11
111	On spectral aging in lobes of double radio sources. Astrophysical Journal, 1990, 353, 476.	1.6	14
112	Synchrotron aging in radio sources. I - Spatial variations in radio lobes. Astrophysical Journal, 1990, 363, 411.	1.6	6
113	The formation, numbers and radio output of giant radio galaxies. Monthly Notices of the Royal Astronomical Society, 1989, 239, 173-187.	1.6	28
114	Hot gaseous coronae of early-type galaxies and their radio luminosity function. Nature, 1988, 333, 49-51.	13.7	21
115	Beams crossing a galactic halo-intergalactic medium interface and the size of extragalactic radio sources. Astrophysical Journal, 1988, 330, 16.	1.6	8
116	The expansion and cosmological evolution of powerful radio sources. Monthly Notices of the Royal Astronomical Society, 1987, 226, 531-542.	1.6	38
117	An oscillating jet in the nearby radio galaxy 1759+211. Monthly Notices of the Royal Astronomical Society, 1987, 224, 53-60.	1.6	1
118	Beam models for radio sources. VI - Evolution of magnetized jets in power-law potentials. Astrophysical Journal, 1987, 313, 623.	1.6	3
119	Beam models for radio sources. V - Collimation in more realistic galactic potentials. Astrophysical Journal, 1986, 300, 605.	1.6	8
120	Active galactic nuclei I. Observations and fundamental interpretations. Physics Reports, 1985, 123, 117-213.	10.3	36
121	Improved Collimation for Radio Sources. Annals of the New York Academy of Sciences, 1984, 422, 393-393.	1.8	0
122	Local stability of thick accretion disks. I - Basic equations and parallel perturbations in the negligible viscosity case. Astrophysical Journal, 1984, 279, 367.	1.6	9
123	The luminosity of particle beams from thick accretion discs. Monthly Notices of the Royal Astronomical Society, 1983, 205, 1103-1116.	1.6	11
124	Beam models for radio sources. IV - Improved jet collimation. Astrophysical Journal, 1983, 270, 427.	1.6	4
125	Nuclear jets in Cygnus A. Monthly Notices of the Royal Astronomical Society, 1982, 200, 83-89.	1.6	12
126	Physical properties of thick supercritical accretion disks. Astrophysical Journal, 1982, 256, 666.	1.6	19

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127	Rotation and luminosity variations in post-main sequence stars. Journal of Astrophysics and Astronomy, 1981, 2, 387-403.	0.4	0
128	Beam models for radio sources. III - Offset sources and single jets. Astrophysical Journal, 1981, 243, 710.	1.6	13
129	Self-similar solutions and their stability for the flow of relativistic fluids through channels. Astrophysics and Space Science, 1980, 68, 475-485.	0.5	5
130	Soliton solutions and their stability for the flow of relativistic fluids through channels. Astrophysics and Space Science, 1980, 68, 207-219.	0.5	7
131	On the flow of special relativistic fluids through channels. Astrophysics and Space Science, 1978, 54, 407-415.	0.5	5
132	Neutron beams in active galactic nuclei. Nature, 1978, 274, 38-39.	13.7	17
133	Twin-beam models for double radio sources. I - Steady-state configurations. Astrophysical Journal, 1978, 221, 41.	1.6	16
134	Twin beam models for double radio sources. II - Dynamical calculations. Astrophysical Journal, 1978, 221, 436.	1.6	27
135	Mass-Angular Regimes for Certain Instabilities of a Compact, Rotating Stellar Core. Astrophysical Journal, 1976, 208, 525.	1.6	7
136	Mechanism for inducing synchronous rotation and small eccentricity in close binary systems. Astrophysical Journal, 1975, 202, L135.	1.6	26