

Paul Wiita

List of Publications by Year in descending order

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136
papers

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136885

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#	ARTICLE	IF	CITATIONS
1	Accretion disk models for optical and ultraviolet microvariability in active galactic nuclei. <i>Astrophysical Journal</i> , 1993, 406, 420.	1.6	156
2	Spiral shocks in accretion disks as a contributor to variability in active galactic nuclei. <i>Astrophysical Journal</i> , 1993, 411, 602.	1.6	107
3	QUASI-PERIODIC OSCILLATIONS OF ~ 15 MINUTES IN THE OPTICAL LIGHT CURVE OF THE BL LAC S5 0716+714. <i>Astrophysical Journal Letters</i> , 2010, 719, L153-L157.	3.0	84
4	The Origin of X-shaped Radio Galaxies: Clues from the Z-symmetric Secondary Lobes. <i>Astrophysical Journal</i> , 2003, 594, L103-L106.	1.6	69
5	Wind Accretion and State Transitions in Cygnus X-1. <i>Astrophysical Journal</i> , 2003, 583, 424-436.	1.6	69
6	Multiband optical monitoring of the blazars S5 0716+714 and BL Lacertae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 366, 1337-1345.	1.6	69
7	Intranight optical variability of blazars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2004, 348, 176-186.	1.6	66
8	Intranight optical variability of radio-quiet and radio lobe-dominated quasars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2004, 350, 175-188.	1.6	65
9	Clear Evidence for Intranight Optical Variability in Radio-quiet Quasars. <i>Astrophysical Journal</i> , 2003, 586, L25-L28.	1.6	65
10	The N Enrichment and Supernova Ejection of the Runaway Microquasar LS 5039. <i>Astrophysical Journal</i> , 2004, 600, 927-938.	1.6	64
11	Optical flux and spectral variability of blazars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 425, 3002-3023.	1.6	63
12	The Spectral Components of SS 433. <i>Astrophysical Journal</i> , 2002, 566, 1069-1083.	1.6	62
13	NEARLY PERIODIC FLUCTUATIONS IN THE LONG-TERM X-RAY LIGHT CURVES OF THE BLAZARS AO 0235+164 AND 1ES 2321+419. <i>Astrophysical Journal</i> , 2009, 696, 2170-2178.	1.6	62
14	Global cellular response to chemotherapy-induced apoptosis. <i>ELife</i> , 2013, 2, e01236.	2.8	59
15	Stochastic Modeling of Multiwavelength Variability of the Classical BL Lac Object OJ 287 on Timescales Ranging from Decades to Hours. <i>Astrophysical Journal</i> , 2018, 863, 175.	1.6	56
16	DETECTION OF INTRA-DAY VARIABILITY TIMESCALES OF FOUR HIGH-ENERGY PEAKED BLAZARS WITH XMM-NEWTON. <i>Astrophysical Journal</i> , 2010, 718, 279-291.	1.6	54
17	Gaseous halos of elliptical galaxies, the cosmic evolution of their radio sizes, and the phenomenon of compact steep-spectrum sources. <i>Astrophysical Journal</i> , 1991, 373, 325.	1.6	53
18	Quasi-simultaneous two-band optical variability of the blazars 1ES 1959+650 and 1ES 2344+514. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 420, 3147-3162.	1.6	51

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19	Intranight optical variability of BL Lacs, radio-quiet quasars and radio-loud quasars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2005, 356, 607-614.	1.6	50
20	Variable emission lines as evidence of spiral shocks in accretion disks around active galactic nuclei. <i>Astrophysical Journal</i> , 1994, 434, 518.	1.6	49
21	CORRELATIONS OF QUASAR OPTICAL SPECTRA WITH RADIO MORPHOLOGY. <i>Astronomical Journal</i> , 2011, 141, 182.	1.9	48
22	Intranight optical variability in optically selected QSOs. <i>Monthly Notices of the Royal Astronomical Society</i> , 1995, 274, 701-710.	1.6	41
23	Was the Cosmic Web of Protogalactic Material Permeated by Lobes of Radio Galaxies During the Quasar Era?. <i>Astrophysical Journal</i> , 2001, 560, L115-L118.	1.6	41
24	Modeling the Emission from Turbulent Relativistic Jets in Active Galactic Nuclei. <i>Journal of Astrophysics and Astronomy</i> , 2015, 36, 255-268.	0.4	41
25	X-Ray Intraday Variability of Five TeV Blazars with NuSTAR. <i>Astrophysical Journal</i> , 2017, 841, 123.	1.6	41
26	Radio Jet Interactions with Massive Clouds. <i>Astrophysical Journal</i> , 2000, 534, 201-212.	1.6	41
27	The expansion and cosmological evolution of powerful radio sources. <i>Monthly Notices of the Royal Astronomical Society</i> , 1987, 226, 531-542.	1.6	38
28	Active galactic nuclei I. Observations and fundamental interpretations. <i>Physics Reports</i> , 1985, 123, 117-213.	10.3	36
29	The Dependence of General Relativistic Accretion on Black Hole Spin. <i>Astrophysical Journal</i> , 2004, 613, L49-L52.	1.6	36
30	AN EXPLICIT SCHEME FOR INCORPORATING AMBIPOLAR DIFFUSION IN A MAGNETOHYDRODYNAMICS CODE. <i>Astrophysical Journal, Supplement Series</i> , 2009, 181, 413-420.	3.0	35
31	Optical microvariability properties of BALQSOs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 412, 2717-2728.	1.6	35
32	Improved characterization of intranight optical variability of prominent AGN classes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 435, 1300-1312.	1.6	33
33	A search for intra-night optical variability in radio-quiet QSOs. <i>Monthly Notices of the Royal Astronomical Society</i> , 1993, 262, 963-969.	1.6	31
34	ULTRA-HIGH-ENERGY COSMIC RAYS FROM CENTAURUS A: JET INTERACTION WITH GASEOUS SHELLS. <i>Astrophysical Journal Letters</i> , 2010, 720, L155-L158.	3.0	31
35	Optical intraday variability studies of 10 low energy peaked blazars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 413, 2157-2172.	1.6	31
36	<i>KEPLER</i> PHOTOMETRY OF FOUR RADIO-LOUD ACTIVE GALACTIC NUCLEI IN 2010-2012. <i>Astrophysical Journal</i> , 2013, 773, 89.	1.6	30

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37	INVESTIGATING THE VARIABILITY OF ACTIVE GALACTIC NUCLEI USING COMBINED MULTI-QUARTER KEPLER DATA. <i>Astrophysical Journal</i> , 2014, 785, 60.	1.6	30
38	Optical variability properties of high luminosity AGN classes. <i>Journal of Astrophysics and Astronomy</i> , 2004, 25, 1-55.	0.4	29
39	The formation, numbers and radio output of giant radio galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 1989, 239, 173-187.	1.6	28
40	Characterizing Optical Variability of OJ 287 in 2016–2017. <i>Astronomical Journal</i> , 2019, 157, 95.	1.9	28
41	Plasma mechanisms for variability in active galactic nuclei. <i>Astrophysical Journal</i> , 1994, 423, 172.	1.6	28
42	The Linear Sizes of Quasars and Radio Galaxies in the Unified Scheme. <i>Astrophysical Journal</i> , 1996, 463, L1-L4.	1.6	28
43	Multiwavelength Variability Study of the Classical BL Lac Object PKS 0735+178 on Timescales Ranging from Decades to Minutes. <i>Astrophysical Journal</i> , 2017, 837, 127.	1.6	27
44	Twin beam models for double radio sources. II - Dynamical calculations. <i>Astrophysical Journal</i> , 1978, 221, 436.	1.6	27
45	Do the Mildly Superluminal VLBI Knots Exclude Ultrarelativistic Blazar Jets?. <i>Astrophysical Journal</i> , 2004, 615, L81-L84.	1.6	26
46	Multiband variability in the blazar 3C 273 with XMM-Newton. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 451, 1356-1365.	1.6	26
47	Mechanism for inducing synchronous rotation and small eccentricity in close binary systems. <i>Astrophysical Journal</i> , 1975, 202, L135.	1.6	26
48	Rapid optical variability in radio-quiet QSOs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2000, 314, 815-825.	1.6	24
49	Long-term Variability and Correlation Study of the Blazar 3C 454.3 in the Radio, NIR, and Optical Wavebands. <i>Astrophysical Journal</i> , 2019, 887, 185.	1.6	24
50	Three-dimensional Simulations of Extragalactic Jets Crossing Interstellar Medium/Intracluster Medium Interfaces. <i>Astrophysical Journal</i> , 1996, 470, 211.	1.6	24
51	Testing Models of Radio Galaxy Evolution and the Cosmological Impact of FR II Radio Galaxies. <i>Astrophysical Journal</i> , 2007, 658, 217-231.	1.6	23
52	Superdisks in Radio Galaxies. <i>Astrophysical Journal</i> , 2000, 529, 189-200.	1.6	23
53	Symmetry Parameters of CSS Sources: Evidence of Fuelling?. <i>Publications of the Astronomical Society of Australia</i> , 2003, 20, 50-56.	1.3	22
54	Testing models of the individual and cosmological evolutions of powerful radio galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 372, 381-400.	1.6	22

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55	Hot gaseous coronae of early-type galaxies and their radio luminosity function. <i>Nature</i> , 1988, 333, 49-51.	13.7	21
56	Bulk motion of ultrarelativistic conical blazar jets. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 369, 1287-1292.	1.6	21
57	Hydrodynamic Interactions of Relativistic Extragalactic Jets with Dense Clouds. <i>Astrophysical Journal</i> , 2007, 655, 769-780.	1.6	21
58	Intranight optical monitoring of optically selected bright quasars. <i>Monthly Notices of the Royal Astronomical Society</i> , 1996, 281, 1267-1276.	1.6	20
59	Stellar Disruption by Supermassive Black Holes and the Quasar Radio Loudness Dichotomy. <i>Astrophysical Journal</i> , 2008, 680, L13-L16.	1.6	19
60	Optical Flux and Spectral Variability of the TeV Blazar PG 1553+113. <i>Astrophysical Journal</i> , 2019, 871, 192.	1.6	19
61	Physical properties of thick supercritical accretion disks. <i>Astrophysical Journal</i> , 1982, 256, 666.	1.6	19
62	X-Ray Intraday Variability of the TeV Blazar Mrk 421 with Suzaku. <i>Astrophysical Journal</i> , 2019, 884, 125.	1.6	18
63	Multi-waveband quasi-periodic oscillations in the light curves of blazar CTA 102 during its 2016–2017 optical outburst. <i>Astronomy and Astrophysics</i> , 2020, 642, A129.	2.1	18
64	Neutron beams in active galactic nuclei. <i>Nature</i> , 1978, 274, 38-39.	13.7	17
65	Spectral energy distribution variation in BL Lacs and flat spectrum radio quasars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 417, 1881-1890.	1.6	17
66	X-Ray Flux and Spectral Variability of Six TeV Blazars with NuSTAR. <i>Astrophysical Journal</i> , 2018, 859, 49.	1.6	17
67	Long-term hydrodynamical simulations of extragalactic radio jets. <i>Astrophysical Journal</i> , 1994, 423, 116.	1.6	17
68	Twin-beam models for double radio sources. I - Steady-state configurations. <i>Astrophysical Journal</i> , 1978, 221, 41.	1.6	16
69	On the Origin of Correlated Radio-optical Asymmetries in Double Radio Sources. <i>Astrophysical Journal</i> , 1996, 467, 191.	1.6	16
70	Instabilities in Three-dimensional Simulations of Astrophysical Jets Crossing Tilted Interfaces. <i>Astrophysical Journal</i> , 1998, 493, 81-90.	1.6	16
71	On the Ejection Mechanism of Bullets in SS 433. <i>Astrophysical Journal</i> , 2002, 576, L45-L48.	1.6	16
72	Influence of the jet opening angle on the derived kinematical parameters of blazar jets having uniform and stratified bulk motion. <i>Monthly Notices of the Royal Astronomical Society</i> , 2007, 377, 446-452.	1.6	15

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73	X-shaped Radio Galaxies: Optical Properties, Large-scale Environment, and Relationship to Radio Structure. <i>Astrophysical Journal</i> , 2019, 887, 266.	1.6	15
74	Energy-Dependent Polarization Variability as a Black Hole Signature. <i>Physical Review Letters</i> , 1996, 77, 12-15.	2.9	14
75	On the Photometric Error Calibration for the Differential Light Curves of Point-like Active Galactic Nuclei. <i>Journal of Astrophysics and Astronomy</i> , 2013, 34, 273-296.	0.4	14
76	On spectral aging in lobes of double radio sources. <i>Astrophysical Journal</i> , 1990, 353, 476.	1.6	14
77	Multiwavelength Variability Power Spectrum Analysis of the Blazars 3C 279 and PKS 1510+089 on Multiple Timescales. <i>Astrophysical Journal</i> , 2022, 927, 214.	1.6	14
78	Brightness Suppression of Relativistic Radio Jets of Quasars: The Role of the Lower Electron Energy Cutoff. <i>Astrophysical Journal</i> , 2004, 603, L9-L12.	1.6	13
79	X-Ray Intraday Variability of the TeV Blazar PKS 2155+304 with Suzaku during 2005+2014. <i>Astrophysical Journal</i> , 2021, 909, 103.	1.6	13
80	Beam models for radio sources. III - Offset sources and single jets. <i>Astrophysical Journal</i> , 1981, 243, 710.	1.6	13
81	Nuclear jets in Cygnus A. <i>Monthly Notices of the Royal Astronomical Society</i> , 1982, 200, 83-89.	1.6	12
82	Galaxy shells and the structure of radio galaxies: Clues from Centaurus A (NGC 5128). <i>New Astronomy</i> , 2010, 15, 96-101.	0.8	12
83	RADIO PROPERTIES OF LOW-REDSHIFT BROAD-LINE ACTIVE GALACTIC NUCLEI INCLUDING EXTENDED RADIO SOURCES. <i>Astronomical Journal</i> , 2011, 141, 85.	1.9	12
84	Spectral energy distributions of the BL Lac PKS 2155 - 304 from XMM-Newton. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 444, 3647-3656.	1.6	12
85	Black hole spin dependence of general relativistic multi-transonic accretion close to the horizon. <i>New Astronomy</i> , 2015, 37, 81-104.	0.8	12
86	Optical Variability of the TeV Blazar 1ES 0806+524 on Diverse Timescales. <i>Astrophysical Journal</i> , 2020, 890, 72.	1.6	12
87	Numerical simulations of hydrodynamical jets crossing a galactic halo/intracluster medium interface. <i>Astrophysical Journal</i> , 1992, 385, 478.	1.6	12
88	The luminosity of particle beams from thick accretion discs. <i>Monthly Notices of the Royal Astronomical Society</i> , 1983, 205, 1103-1116.	1.6	11
89	General Relativistic Effects on the Spectrum Reflected by Accretion Disks around Black Holes. <i>Astrophysical Journal</i> , 1998, 504, 58-63.	1.6	11
90	Optical variability of radio-intermediate quasars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 401, 2622-2634.	1.6	11

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91	Radio-loud Active Galactic Nucleus Variability from Three-dimensional Propagating Relativistic Jets. <i>Astrophysical Journal</i> , 2018, 869, 32.	1.6	11
92	Expanding hydrodynamical jets crossing a galactic halo/intergalactic medium interface. <i>Astrophysical Journal</i> , 1990, 350, 545.	1.6	11
93	Polarization Variability of Active Galactic Nuclei and X-ray Binaries. <i>Astrophysical Journal</i> , 1997, 487, 142-152.	1.6	11
94	Models for Accretion-Disk Fluctuations through Self-Organized Criticality Including Relativistic Effects. <i>Publication of the Astronomical Society of Japan</i> , 2000, 52, 1097-1107.	1.0	10
95	Probing spectral properties of radio-quiet quasars searched for optical microvariability. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 402, 1059-1071.	1.6	10
96	Extragalactic radio sources with sharply inverted spectrum at metre wavelengths. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 443, 2824-2829.	1.6	10
97	Standing shocks in accretion disks and the spectra of active galactic nuclei. <i>Astrophysical Journal</i> , 1992, 387, L21.	1.6	10
98	Measuring the Variability in K_2 Optical Light Curves of the Binary Black Hole Candidate OJ 287 and Other Fermi Active Galactic Nuclei in 2014–2015. <i>Astrophysical Journal</i> , 2019, 877, 151.	1.6	9
99	Local stability of thick accretion disks. I - Basic equations and parallel perturbations in the negligible viscosity case. <i>Astrophysical Journal</i> , 1984, 279, 367.	1.6	9
100	Reconciling the magnetic field structures seen in variable active galactic nuclei with the unified scheme. <i>Nature</i> , 1993, 363, 142-144.	13.7	8
101	Superdiscs in radio galaxies: jet-wind interactions. <i>Monthly Notices of the Royal Astronomical Society</i> , 2007, 380, 703-711.	1.6	8
102	The changing interstellar medium of massive elliptical galaxies and cosmic evolution of radio galaxies and quasars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 397, 2216-2224.	1.6	8
103	A MULTIDIMENSIONAL RELATIVISTIC HYDRODYNAMIC CODE WITH A GENERAL EQUATION OF STATE. <i>Astrophysical Journal, Supplement Series</i> , 2010, 191, 113-123.	3.0	8
104	Quasi-Periodic Oscillations in the X-ray Light Curves of Blazars. <i>Journal of Astrophysics and Astronomy</i> , 2011, 32, 147-154.	0.4	8
105	Beam models for radio sources. V - Collimation in more realistic galactic potentials. <i>Astrophysical Journal</i> , 1986, 300, 605.	1.6	8
106	Beams crossing a galactic halo-intergalactic medium interface and the size of extragalactic radio sources. <i>Astrophysical Journal</i> , 1988, 330, 16.	1.6	8
107	Soliton solutions and their stability for the flow of relativistic fluids through channels. <i>Astrophysics and Space Science</i> , 1980, 68, 207-219.	0.5	7
108	Mass-Angular Regimes for Certain Instabilities of a Compact, Rotating Stellar Core. <i>Astrophysical Journal</i> , 1976, 208, 525.	1.6	7

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109	Radio continuum emission and H α 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
110	DISCOVERY OF GIANT RELIC RADIO LOBES STRADDLING THE CLASSICAL DOUBLE RADIO GALAXY 3C452. Astrophysical Journal Letters, 2013, 765, L11.	3.0	6
111	Synchrotron aging in radio sources. I - Spatial variations in radio lobes. Astrophysical Journal, 1990, 363, 411.	1.6	6
112	On the flow of special relativistic fluids through channels. Astrophysics and Space Science, 1978, 54, 407-415.	0.5	5
113	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
114	Superdisks and the structural asymmetry of radio galaxies. New Astronomy, 2009, 14, 51-58.	0.8	5
115	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
116	Long-term Multiband Near-infrared Variability of the Blazar OJ 287 during 2007–2021. Astrophysical Journal, Supplement Series, 2022, 260, 39.	3.0	5
117	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
118	Multi-Band Intra-Night Optical Variability of BL Lacertae. Galaxies, 2017, 5, 94.	1.1	4
119	Beam models for radio sources. IV - Improved jet collimation. Astrophysical Journal, 1983, 270, 427.	1.6	4
120	A Double-period Oscillation Signal in Millimeter Emission of the Radio Galaxy NGC 1275. Astrophysical Journal, 2022, 925, 207.	1.6	4
121	Squeezing gas through space. Nature, 1992, 355, 499-500.	13.7	3
122	Constraints on supermassive black hole spins from observations of active galaxy jets. Astronomische Nachrichten, 2013, 334, 1024-1027.	0.6	3
123	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
124	Beam models for radio sources. VI - Evolution of magnetized jets in power-law potentials. Astrophysical Journal, 1987, 313, 623.	1.6	3
125	Measuring the Variability in K2 Optical Light Curves of 3C 273 and Other Fermi Active Galactic Nuclei in 2015–2017. Astrophysical Journal, 2020, 903, 134.	1.6	3
126	The Flux Ratio of a Jet to Its Counterjet Revisited. Astrophysical Journal, 1997, 485, 136-142.	1.6	2

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127	Variability of Spectral Energy Distribution of Blazar S5 0716+714. Journal of Astrophysics and Astronomy, 2011, 32, 217-222.	0.4	2
128	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
129	An oscillating jet in the nearby radio galaxy 1759+211. Monthly Notices of the Royal Astronomical Society, 1987, 224, 53-60.	1.6	1
130	Disk luminosity and angular momentum for accreting, weak field neutron stars in the "Slow" rotation approximation. Journal of Astrophysics and Astronomy, 1995, 16, 357-374.	0.4	1
131	X-Ray Variability of an Illuminated Irregular Accretion Disk around a Black Hole. Astrophysical Journal, 1999, 519, 80-88.	1.6	1
132	Rotation and luminosity variations in post-main sequence stars. Journal of Astrophysics and Astronomy, 1981, 2, 387-403.	0.4	0
133	Improved Collimation for Radio Sources. Annals of the New York Academy of Sciences, 1984, 422, 393-393.	1.8	0
134	On the Variability Coherence Observed in Black Hole Candidates at Different X-Ray Energies. Astrophysical Journal, 1997, 489, 819-821.	1.6	0
135	Statistical analysis of power-size-redshift distributions of extragalactic jets. Astrophysical Journal, 1991, 371, 501.	1.6	0
136	Simultaneous synchrotron and adiabatic effects in multiply shocked jets in extended extragalactic radio sources. Astrophysical Journal, 1994, 434, 503.	1.6	0