

# Nahum Arav

## List of Publications by Year in descending order

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47  
papers

2,275  
citations

201674

27  
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233421

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47  
docs citations

47  
times ranked

1027  
citing authors

#	ARTICLE	IF	CITATIONS
1	QUASAR OUTFLOW CONTRIBUTION TO AGN FEEDBACK: OBSERVATIONS OF QSO SDSS J0838+2955. <i>Astrophysical Journal</i> , 2009, 706, 525-534.	4.5	185
2	THE QUASAR OUTFLOW CONTRIBUTION TO AGN FEEDBACK: VLT MEASUREMENTS OF SDSS J0318-0600. <i>Astrophysical Journal</i> , 2010, 709, 611-631.	4.5	183
3	Quasar outflows and AGN feedback in the extreme UV: HST/COS observations of HEÂ0238â~1904â~.... <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 436, 3286-3305.	4.4	137
4	Keck HIRES Observations of the QSO FIRST J104459.6+365605: Evidence for a Largeâ€Scale Outflow. <i>Astrophysical Journal</i> , 2001, 548, 609-623.	4.5	122
5	MAJOR CONTRIBUTOR TO AGN FEEDBACK: VLT X-SHOOTER OBSERVATIONS OF S IV BALQSO OUTFLOWS. <i>Astrophysical Journal</i> , 2013, 762, 49.	4.5	111
6	Hubble Space Telescope Observations of the Broad Absorption Line Quasar PG 0946+301. <i>Astrophysical Journal</i> , 1999, 516, 27-46.	4.5	111
7	HSTSTIS Observations of PG 0946+301: The Highest Quality UV Spectrum of a BALQSO. <i>Astrophysical Journal</i> , 2001, 561, 118-130.	4.5	102
8	What Determines the Depth of Broad Absorption Lines? Keck HIRES Observations of BALQSO 1603+3002. <i>Astrophysical Journal</i> , 1999, 524, 566-571.	4.5	88
9	Xâ€Ray/Ultraviolet Campaign on the Mrk 279 AGN Outflow: Constraining Inhomogeneous Absorber Models. <i>Astrophysical Journal</i> , 2005, 620, 665-672.	4.5	79
10	Measuring Column Densities in Quasar Outflows: VLT Observations of QSO 2359â~1241. <i>Astrophysical Journal</i> , 2008, 681, 954-964.	4.5	79
11	Chemical Abundances in an AGN Environment: Xâ€Ray/LIV Campaign on the Markarian 279 Outflow. <i>Astrophysical Journal</i> , 2007, 658, 829-839.	4.5	69
12	A 10 kpc SCALE SEYFERT GALAXY OUTFLOW: HST/COS OBSERVATIONS OF IRAS F22456â€5125. <i>Astrophysical Journal</i> , 2012, 751, 107.	4.5	60
13	Physical Conditions in Quasar Outflows: Very Large Telescope Observations of QSO 2359â€1241. <i>Astrophysical Journal</i> , 2008, 688, 108-115.	4.5	59
14	Evidence that 50% of BALQSO Outflows Are Situated at Least 100 pc from the Central Source. <i>Astrophysical Journal</i> , 2018, 857, 60.	4.5	59
15	DISTANCE TO MULTIPLE KINEMATIC COMPONENTS OF QUASAR OUTFLOWS: VERY LARGE TELESCOPE OBSERVATIONS OF QSO 2359-1241 AND SDSS J0318-0600. <i>Astrophysical Journal</i> , 2010, 713, 25-31.	4.5	58
16	The AGN Outflow in the HDFâ€ Target QSO J2233â~606 from a Highâ€Resolution VLT LIVES Spectrum. <i>Astrophysical Journal</i> , 2006, 646, 742-753.	4.5	57
17	Strong candidate for AGN feedback: VLT/X-shooter observations of BALQSO SDSS J0831+0354. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 450, 1085-1093.	4.4	57
18	Keck HIRES Spectroscopy of the FeIIowâ€ Ionization Broad Absorption Line Quasar FBQS 0840+3633: Evidence for Two Outflows on Different Scales. <i>Astrophysical Journal</i> , 2002, 570, 514-525.	4.5	52

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19	The Effects of Inhomogeneous Absorbers on the Formation of Intrinsic Quasar Absorption Lines. <i>Astrophysical Journal</i> , 2002, 580, 54-62.	4.5	49
20	AGN STORM 2. I. First results: A Change in the Weather of Mrk 817. <i>Astrophysical Journal</i> , 2021, 922, 151.	4.5	49
21	The role of radiative acceleration in outflows from broad absorption line QSOs. I: Comparison with O star winds. <i>Astrophysical Journal</i> , 1994, 427, 700.	4.5	48
22	Intrinsic Absorption in the QSO FIRST J121442.3+280329. <i>Astrophysical Journal</i> , 2002, 567, 58-67.	4.5	47
23	BAL PHOSPHORUS ABUNDANCE AND EVIDENCE FOR IMMENSE IONIC COLUMN DENSITIES IN QUASAR OUTFLOWS: VLT/X-SHOOTER OBSERVATIONS OF QUASAR SDSS J1512+1119. <i>Astrophysical Journal</i> , 2012, 758, 69.	4.5	46
24	GALACTIC-SCALE ABSORPTION OUTFLOW IN THE LOW-LUMINOSITY QUASAR IRAS F04250+5718: HUBBLE SPACE TELESCOPE/COSMIC ORIGINS SPECTROGRAPH OBSERVATIONS. <i>Astrophysical Journal</i> , 2011, 739, 7.	4.5	34
25	A Mini-BAL Outflow at 900 pc from the Central Source: VLT/X-shooter Observations. <i>Astrophysical Journal</i> , 2018, 858, 39.	4.5	30
26	Large-scale outflow in quasar LBQS J1206+1052: HST/COS observations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 454, 675-680.	4.4	29
27	HST/COS Observations of Quasar Outflows in the 500–1050 Å Rest Frame. I. The Most Energetic Outflows in the Universe and Other Discoveries. <i>Astrophysical Journal, Supplement Series</i> , 2020, 247, 37.	7.7	28
28	VLT/X-Shooter Survey of BAL Quasars: Large Distance Scale and AGN Feedback. <i>Astrophysical Journal</i> , 2019, 876, 105.	4.5	26
29	Outflow in Overlooked Luminous Quasar: Subaru Observations of AKARI J1757+5907. <i>Publication of the Astronomical Society of Japan</i> , 2011, 63, S457-S467.	2.5	23
30	Multi-wavelength campaign on NGC 7469. <i>Astronomy and Astrophysics</i> , 2017, 601, A17.	5.1	22
31	BAL OUTFLOW CONTRIBUTION TO AGN FEEDBACK: FREQUENCY OF S IV OUTFLOWS IN THE SDSS. <i>Astrophysical Journal</i> , 2012, 750, 143.	4.5	20
32	Distance, Energy, and Variability of Quasar Outflows: Two HST/COS Epochs of LBQS 1206+1052. <i>Astrophysical Journal</i> , 2018, 865, 90.	4.5	18
33	ULTRAVIOLET AND X-RAY VARIABILITY OF THE SEYFERT 1.5 GALAXY MARKARIAN 817. <i>Astrophysical Journal</i> , 2011, 728, 28.	4.5	16
34	HST/COS Observations of Quasar Outflows in the 500–1050 Å Rest Frame. II. The Most Energetic Quasar Outflow Measured to Date. <i>Astrophysical Journal, Supplement Series</i> , 2020, 247, 38.	7.7	16
35	HST/COS Observations of Quasar Outflows in the 500–1050 Å Rest Frame. V. Richness of Physical Diagnostics and Ionization Potential-dependent Velocity Shift in PKS J0352-0711*. <i>Astrophysical Journal, Supplement Series</i> , 2020, 247, 41.	7.7	14
36	Evidence for quasar fast outflows being accelerated at the scale of tens of parsecs. <i>Science Advances</i> , 2022, 8, eabk3291.	10.3	14

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37	HST/COS Observations of Quasar Outflows in the 500â€“1050 Å... Rest Frame. III. Four Similar Outflows in 2MASS J1051+1247 with Enough Energy to Be Major Contributors to AGN Feedback*. Astrophysical Journal, Supplement Series, 2020, 247, 39.	7.7	13
38	The contribution of quasar absorption outflows to AGN feedback. Monthly Notices of the Royal Astronomical Society, 2020, 499, 1522-1529.	4.4	11
39	<i>HST</i>/COS Observations of Quasar Outflows in the 500â€“1050 Å,« Rest Frame. VI. Wide, Energetic Outflows in SDSS J0755+2306. Astrophysical Journal, Supplement Series, 2020, 247, 42.	7.7	11
40	HST/COS Observations of Quasar Outflows in the 500â€“1050 Å... Rest Frame. IV. The Largest Broad Absorption Line Acceleration. Astrophysical Journal, Supplement Series, 2020, 247, 40.	7.7	11
41	The Farthest Quasar Mini-Broad Absorption Line Outflow from Its Central Source: Very Large Telescope/LIVES Observation of SDSS J0242+0049. Astrophysical Journal, 2022, 927, 176.	4.5	9
42	Evidence that emission and absorption outflows in quasars are related. Monthly Notices of the Royal Astronomical Society, 2020, 495, 305-320.	4.4	8
43	BALQSO spectra explained by shock disruption of galactic clouds. Monthly Notices of the Royal Astronomical Society, 2020, 491, 4325-4333.	4.4	6
44	HST/COS Observations of Quasar Outflows in the 500â€“1050 Å... Rest Frame. VII. Distances and Energetics for 11 Outflows in Five Quasars*. Astrophysical Journal, Supplement Series, 2020, 249, 15.	7.7	5
45	Physical conditions of iron-peak low-ionization lines in the FeLoBAL quasar Q0059-2735. Monthly Notices of the Royal Astronomical Society, 2021, 506, 2725-2738.	4.4	4
46	The Impact of BAL Outflows on Cosmological Structure Formation. Proceedings of the International Astronomical Union, 2009, 5, 350-353.	0.0	0
47	Accretion and outflow of gas in Markarian 509. Proceedings of the International Astronomical Union, 2012, 8, 45-48.	0.0	0