

# Varsha P Kulkarni

## List of Publications by Year in descending order

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57  
papers

1,948  
citations

186265  
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254184  
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58  
docs citations

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times ranked

945  
citing authors

#	ARTICLE	IF	CITATIONS
1	Damped Ly $\alpha$ Absorbers in Star-forming Galaxies at $z < 0.15$ Detected with the Hubble Space Telescope and Implications for Galactic Evolution. <i>Astrophysical Journal</i> , 2022, 929, 150.	4.5	8
2	Significant H I and Metal Differences around the $z = 0.83$ Lens Galaxy toward the Doubly Lensed Quasar SBS 0909+532. <i>Astronomical Journal</i> , 2021, 161, 90.	4.7	4
3	Metals and a search for molecules in the distant Universe: Magellan mike observations of sub-DLAs at $2 < z < 3$ . <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 504, 731-743.	4.4	0
4	The Geometry of Cold, Metal-enriched Gas around Galaxies at $z \sim 1.2$ . <i>Astrophysical Journal</i> , 2021, 913, 50.	4.5	14
5	MUSE-ALMA haloes VI: coupling atomic, ionized, and molecular gas kinematics of galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 4746-4761.	4.4	11
6	Clumpiness of observed and simulated cold circumgalactic gas. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 6195-6205.	4.4	7
7	Metal-enriched galaxies in the first $\sim 1$ billion years: evidence of a smooth metallicity evolution at $z \sim 5$ . <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 491, 1008-1025.	4.4	11
8	MUSE-ALMA haloes V: physical properties and environment of $z \sim 1.4$ quasar absorbers. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 492, 2347-2368.	4.4	35
9	A high signal-to-noise HST spectrum towards J1009+0713: precise absorption measurements in the CGM of two galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 489, 78-98.	4.4	3
10	Multiphase circumgalactic medium probed with MUSE and ALMA. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 1595-1613.	4.4	48
11	Probing Structure in Cold Gas at $z \sim 2$ with Gravitationally Lensed Quasar Sight Lines. <i>Astrophysical Journal</i> , 2019, 886, 83.	4.5	13
12	Characterizing the circum-galactic medium of damped Lyman- $\alpha$ absorbing galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 478, 3120-3132.	4.4	26
13	Early metal enrichment of gas-rich galaxies at $z \sim 5$ . <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 473, 3559-3572.	4.4	15
14	Observational signatures of a warped disk associated with cold-flow accretion. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 474, 254-270.	4.4	42
15	Atomic Data Revisions for Transitions Relevant to Observations of Interstellar, Circumgalactic, and Intergalactic Matter. <i>Astrophysical Journal, Supplement Series</i> , 2017, 230, 8.	7.7	29
16	Nature of the absorbing gas associated with a galaxy group at $z \sim 0.4$ . <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 464, 2053-2065.	4.4	52
17	Probing the interstellar dust in galaxies over $> 10$ Gyr of cosmic history. <i>Planetary and Space Science</i> , 2016, 133, 7-13.	1.7	2
18	A study of the circumgalactic medium at $z \sim 0.6$ using damped Lyman $\alpha$ galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 463, 980-1007.	4.4	45

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19	ELEMENT ABUNDANCES IN A GAS-RICH GALAXY AT $z = 5$ : CLUES TO THE EARLY CHEMICAL ENRICHMENT OF GALAXIES. <i>Astrophysical Journal</i> , 2016, 830, 158.	4.5	9
20	Magellan LDSS3 emission confirmation of galaxies hosting metal-rich Lyman $\hat{\pm}$ absorption systems. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 458, 3760-3772.	4.4	10
21	A SINFONI integral field spectroscopy survey for galaxy counterparts to damped Lyman $\hat{\pm}$ systems â€“ VI. Metallicity and geometry as gas flow probes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 457, 903-916.	4.4	46
22	Connecting the Interstellar Gas and Dust Properties in Distant Galaxies Using Quasar Absorption Systems. <i>Proceedings of the International Astronomical Union</i> , 2015, 11, .	0.0	0
23	KECK AND VLT OBSERVATIONS OF SUPER-DAMPED Ly $\hat{\pm}$ ABSORBERS AT $z \approx 2.5$ : CONSTRAINTS ON CHEMICAL COMPOSITIONS AND PHYSICAL CONDITIONS. <i>Astrophysical Journal</i> , 2015, 815, 24.	4.5	17
24	Galactic nebular lines in the fibre spectra of background QSOs: reaching a hundred QSO-galaxy pairs with spectroscopic and photometric measurements. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 447, 3856-3872.	4.4	11
25	HUBBLE SPACE TELESCOPE OBSERVATIONS OF SUB-DAMPED Ly $\hat{\pm}$ ABSORBERS AT $z < 0.5$ , AND IMPLICATIONS FOR GALAXY CHEMICAL EVOLUTION. <i>Astrophysical Journal</i> , 2015, 806, 25.	4.5	50
26	ATOMIC DATA FOR ZN II: IMPROVING SPECTRAL DIAGNOSTICS OF CHEMICAL EVOLUTION IN HIGH-REDSHIFT GALAXIES. <i>Astrophysical Journal</i> , 2015, 804, 76.	4.5	21
27	A SINFONI integral field spectroscopy Survey for galaxy counterparts to Damped Lyman $\hat{\pm}$ Systems â€“ V. Neutral and ionized-phase metallicitiesâ€“.... <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 437, 3144-3158.	4.4	23
28	ATOMIC DATA FOR S II â€“ TOWARD BETTER DIAGNOSTICS OF CHEMICAL EVOLUTION IN HIGH-REDSHIFT GALAXIES. <i>Astrophysical Journal</i> , 2014, 780, 76.	4.5	27
29	A SINFONI integral field spectroscopy survey for galaxy counterparts to damped Lyman $\hat{\pm}$ systems â€“ IV. Masses and gas flowsâ€“.... <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 436, 2650-2665.	4.4	34
30	Element abundances at high redshift: MIKE observations of sub-damped Lyman $\hat{\pm}$ absorbers at $1.7 < z < 2.4$ . <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 435, 1469-1485.	4.4	30
31	Galaxies with background QSOs â€“ II. An automated search for multiple galaxy emission lines. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 436, 3200-3223.	4.4	8
32	A SUPER-DAMPED Ly $\hat{\pm}$ QUASI-STELLAR OBJECT ABSORBER AT $z = 2.2$ . <i>Astrophysical Journal</i> , 2012, 749, 176.	4.5	43
33	A SINFONI integral field spectroscopy survey for galaxy counterparts to damped Lyman $\hat{\pm}$ systems - III. Three additional detectionsâ€“.... <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 419, 3060-3073.	4.4	80
34	Galaxies with background QSOs - I. A search for strong galactic H $\hat{\pm}$ lines. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 423, 3692-3708.	4.4	17
35	A SINFONI integral field spectroscopy survey for galaxy counterparts to damped Lyman $\hat{\pm}$ systems - II. Dynamical properties of the galaxies towards Q0302 $\hat{\sim}$ 223 and Q1009 $\hat{\sim}$ 0026â€“.... <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 410, 2251-2256.	4.4	30
36	A SINFONI integral field spectroscopy survey for galaxy counterparts to damped Lyman $\hat{\pm}$ systems - I. New detections and limits for intervening and associated absorbersâ€“.... <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 410, 2237-2250.	4.4	95

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37	NEAR-INFRARED IMAGING OF SIX METAL-RICH QUASAR ABSORBER GALAXY FIELDS. <i>Astronomical Journal</i> , 2011, 141, 206.	4.7	5
38	Do damped and sub-damped Lyman-alpha absorbers arise in galaxies of different masses?. <i>New Astronomy</i> , 2010, 15, 735-743.	1.8	46
39	A SEARCH FOR GALAXIES PRODUCING METAL-RICH QUASAR ABSORBERS. <i>Astronomical Journal</i> , 2010, 139, 1144-1153.	4.7	11
40	New Magellan Inamori Kyocera Echelle Observations of $z < 1.5$ sub-damped Lyman $\alpha$ systems. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 393, 1513-1530.	4.4	28
41	A MIKE + UVES survey of sub-damped Lyman $\alpha$ systems at $z < 1.5$ . <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 397, 2037-2048.	4.4	56
42	The chemical compositions of 10 new sub-DLAs and strong Lyman-limit systems at $z < 1.5$ . <i>Monthly Notices of the Royal Astronomical Society</i> , 2008, 384, 1015-1033.	4.4	35
43	Emission-Line Spectroscopy of a Damped Ly $\alpha$ -absorbing Galaxy at $z = 0.437$ . <i>Astronomical Journal</i> , 2007, 133, 130-138.	4.7	20
44	New abundance determinations in $z < 1.5$ QSO absorbers: seven sub-DLAs and one DLA. <i>Monthly Notices of the Royal Astronomical Society</i> , 2007, 376, 557-572.	4.4	46
45	Average extinction curves and relative abundances for quasi-stellar object absorption-line systems at $1 < z_{\text{abs}} < 2$ . <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 367, 945-978.	4.4	179
46	A Fabry-Pérot Imaging Search for Ly $\alpha$ Emission in Quasar Absorbers at $z \approx 2.4$ . <i>Astrophysical Journal</i> , 2006, 636, 30-45.	4.5	56
47	The evolution of damped Ly- $\alpha$ absorbers: metallicities and star formation rates. <i>Proceedings of the International Astronomical Union</i> , 2005, 1, 307-312.	0.0	0
48	Evolution of Metals and Stars in Damped Lyman-Alpha Galaxies. <i>Highlights of Astronomy</i> , 2005, 13, 566-571.	0.0	0
49	Hubble Space Telescope Observations of Element Abundances in Low-Redshift Damped Ly $\alpha$ Galaxies and Implications for the Global Metallicity-Redshift Relation. <i>Astrophysical Journal</i> , 2005, 618, 68-90.	4.5	121
50	Metals and Dust in Intermediate-Redshift Damped Ly $\alpha$ Galaxies. <i>Astrophysical Journal</i> , 2004, 616, 86-109.	4.5	69
51	A Uniform Analysis of the Ly $\alpha$ Forest at $z = 0.5$ . V. The Extragalactic Ionizing Background at Low Redshift. <i>Astrophysical Journal</i> , 2002, 571, 665-692.	4.5	61
52	Metallicity Evolution of Damped Ly $\alpha$ Galaxies. <i>Astrophysical Journal</i> , 2002, 580, 732-741.	4.5	65
53	A Search for the Damped Ly $\alpha$ Absorber at $z = 1.86$ toward QSO 1244+3443 with NICMOS. <i>Astrophysical Journal</i> , 2001, 551, 37-47.	4.5	36
54	H $^2$ , C, Metallicity, and Dust Depletion in the $z = 2.34$ Damped Ly $\alpha$ Absorption System toward QSO 1232+0815. <i>Astrophysical Journal</i> , 2001, 547, L1-L5.	4.5	55

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55	NICMOS Imaging of the Damped Ly $\alpha$ Absorber at $z=1.89$ toward LBQS 1210+1731: Constraints on Size and Star Formation Rate. <i>Astrophysical Journal</i> , 2000, 536, 36-61.	4.5	59
56	The proximity effect and the mean intensity of ionizing radiation at low redshifts. <i>Astrophysical Journal</i> , 1993, 413, L63.	4.5	64
57	A Lyman limit system associated with galactic winds... <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	4.4	19