

Varsha P Kulkarni

List of Publications by Year in descending order

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57
papers

1,948
citations

186265

28
h-index

254184

43
g-index

58
all docs

58
docs citations

58
times ranked

945
citing authors

#	ARTICLE	IF	CITATIONS
1	Average extinction curves and relative abundances for quasi-stellar object absorption-line systems at $1 \lesssim z < 2$. Monthly Notices of the Royal Astronomical Society, 2006, 367, 945-978.	4.4	179
2	Hubble Space Telescope Observations of Element Abundances in Low-Redshift Damped Ly α Galaxies and Implications for the Global Metallicity-Redshift Relation. Astrophysical Journal, 2005, 618, 68-90.	4.5	121
3	A SINFONI integral field spectroscopy survey for galaxy counterparts to damped Lyman α systems - I. New detections and limits for intervening and associated absorbers.... Monthly Notices of the Royal Astronomical Society, 2011, 410, 2237-2250.	4.4	95
4	A SINFONI integral field spectroscopy survey for galaxy counterparts to damped Lyman α systems - III. Three additional detections.... Monthly Notices of the Royal Astronomical Society, 2012, 419, 3060-3073.	4.4	80
5	Metals and Dust in Intermediate-Redshift Damped Ly α Galaxies. Astrophysical Journal, 2004, 616, 86-109.	4.5	69
6	Metallicity Evolution of Damped Ly α Galaxies. Astrophysical Journal, 2002, 580, 732-741.	4.5	65
7	The proximity effect and the mean intensity of ionizing radiation at low redshifts. Astrophysical Journal, 1993, 413, L63.	4.5	64
8	A Uniform Analysis of the Ly α Forest at $z \approx 0.5$. V. The Extragalactic Ionizing Background at Low Redshift. Astrophysical Journal, 2002, 571, 665-692.	4.5	61
9	NICMOS Imaging of the Damped Ly α Absorber at $z \approx 1.89$ toward LBQS 1210+1731: Constraints on Size and Star Formation Rate. Astrophysical Journal, 2000, 536, 36-61.	4.5	59
10	A MIKE + UVES survey of sub-damped Lyman α systems at $z < 1.5$. Monthly Notices of the Royal Astronomical Society, 2009, 397, 2037-2048.	4.4	56
11	A Fabry-Perot Imaging Search for Ly α Emission in Quasar Absorbers at $z \approx 2.4$. Astrophysical Journal, 2006, 636, 30-45.	4.5	56
12	H β , C IV, Metallicity, and Dust Depletion in the [CIV] $z = 2.34$ Damped Ly α Absorption System toward QSO 1232+0815. Astrophysical Journal, 2001, 547, L1-L5.	4.5	55
13	Nature of the absorbing gas associated with a galaxy group at $z \approx 0.4$. Monthly Notices of the Royal Astronomical Society, 2017, 464, 2053-2065.	4.4	52
14	HUBBLE SPACE TELESCOPE OBSERVATIONS OF SUB-DAMPED Ly α ABSORBERS AT $z < 0.5$, AND IMPLICATIONS FOR GALAXY CHEMICAL EVOLUTION. Astrophysical Journal, 2015, 806, 25.	4.5	50
15	Multiphase circumgalactic medium probed with MUSE and ALMA. Monthly Notices of the Royal Astronomical Society, 2019, 485, 1595-1613.	4.4	48
16	New abundance determinations in $z < 1.5$ QSO absorbers: seven sub-DLAs and one DLA. Monthly Notices of the Royal Astronomical Society, 2007, 376, 557-572.	4.4	46
17	Do damped and sub-damped Lyman-alpha absorbers arise in galaxies of different masses?. New Astronomy, 2010, 15, 735-743.	1.8	46
18	A SINFONI integral field spectroscopy survey for galaxy counterparts to damped Lyman α systems - VI. Metallicity and geometry as gas flow probes. Monthly Notices of the Royal Astronomical Society, 2016, 457, 903-916.	4.4	46

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19	A study of the circumgalactic medium at $z \approx 0.6$ using damped Lyman λ galaxies. Monthly Notices of the Royal Astronomical Society, 2016, 463, 980-1007.	4.4	45
20	A SUPER-DAMPED Ly λ QUASI-STELLAR OBJECT ABSORBER AT $z = 2.2$. Astrophysical Journal, 2012, 749, 176.	4.5	43
21	Observational signatures of a warped disk associated with cold-flow accretion. Monthly Notices of the Royal Astronomical Society, 2018, 474, 254-270.	4.4	42
22	A Search for the Damped Ly λ Absorber at $z = 1.86$ toward QSO 1244+3443 with NICMOS. Astrophysical Journal, 2001, 551, 37-47.	4.5	36
23	The chemical compositions of 10 new sub-DLAs and strong Lyman-limit systems at $z \approx 1.5$. Monthly Notices of the Royal Astronomical Society, 2008, 384, 1015-1033.	4.4	35
24	MUSE-ALMA haloes V: physical properties and environment of $z \approx 1.4$ H α quasar absorbers. Monthly Notices of the Royal Astronomical Society, 2020, 492, 2347-2368.	4.4	35
25	A SINFONI integral field spectroscopy survey for galaxy counterparts to damped Lyman λ systems - IV. Masses and gas flows.... Monthly Notices of the Royal Astronomical Society, 2013, 436, 2650-2665.	4.4	34
26	A SINFONI integral field spectroscopy survey for galaxy counterparts to damped Lyman λ systems - II. Dynamical properties of the galaxies towards Q0302 $z = 2.23$ and Q1009 $z = 0.026$ Monthly Notices of the Royal Astronomical Society, 2011, 410, 2251-2256.	4.4	30
27	Element abundances at high redshift: MIKE observations of sub-damped Lyman λ absorbers at $1.7 < z < 2.4$. Monthly Notices of the Royal Astronomical Society, 2013, 435, 1469-1485.	4.4	30
28	Atomic Data Revisions for Transitions Relevant to Observations of Interstellar, Circumgalactic, and Intergalactic Matter. Astrophysical Journal, Supplement Series, 2017, 230, 8.	7.7	29
29	New Magellan Inamori Kyocera Echelle Observations of $z \approx 1.5$ sub-damped Lyman λ systems. Monthly Notices of the Royal Astronomical Society, 2009, 393, 1513-1530.	4.4	28
30	ATOMIC DATA FOR S II - TOWARD BETTER DIAGNOSTICS OF CHEMICAL EVOLUTION IN HIGH-REDSHIFT GALAXIES. Astrophysical Journal, 2014, 780, 76.	4.5	27
31	Characterizing the circum-galactic medium of damped Lyman- λ absorbing galaxies. Monthly Notices of the Royal Astronomical Society, 2018, 478, 3120-3132.	4.4	26
32	A SINFONI integral field spectroscopy Survey for galaxy counterparts to Damped Lyman λ Systems - V. Neutral and ionized-phase metallicities.... Monthly Notices of the Royal Astronomical Society, 2014, 437, 3144-3158.	4.4	23
33	ATOMIC DATA FOR ZN II: IMPROVING SPECTRAL DIAGNOSTICS OF CHEMICAL EVOLUTION IN HIGH-REDSHIFT GALAXIES. Astrophysical Journal, 2015, 804, 76.	4.5	21
34	Emission-Line Spectroscopy of a Damped Ly λ -absorbing Galaxy at $z = 0.437$. Astronomical Journal, 2007, 133, 130-138.	4.7	20
35	A Lyman limit system associated with galactic winds.... Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	19
36	Galaxies with background QSOs - I. A search for strong galactic H λ lines. Monthly Notices of the Royal Astronomical Society, 2012, 423, 3692-3708.	4.4	17

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37	KECK AND VLT OBSERVATIONS OF SUPER-DAMPED Ly α ABSORBERS AT $z \approx 2.5$: CONSTRAINTS ON CHEMICAL COMPOSITIONS AND PHYSICAL CONDITIONS. <i>Astrophysical Journal</i> , 2015, 815, 24.	4.5	17
38	Early metal enrichment of gas-rich galaxies at $z \approx 5$. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 473, 3559-3572.	4.4	15
39	The Geometry of Cold, Metal-enriched Gas around Galaxies at $z \approx 1.2$. <i>Astrophysical Journal</i> , 2021, 913, 50.	4.5	14
40	Probing Structure in Cold Gas at $z \approx 2$ with Gravitationally Lensed Quasar Sight Lines. <i>Astrophysical Journal</i> , 2019, 886, 83.	4.5	13
41	A SEARCH FOR GALAXIES PRODUCING METAL-RICH QUASAR ABSORBERS. <i>Astronomical Journal</i> , 2010, 139, 1144-1153.	4.7	11
42	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
43	Metal-enriched galaxies in the first ≈ 1 billion years: evidence of a smooth metallicity evolution at $z \approx 5$. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 491, 1008-1025.	4.4	11
44	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
45	Magellan LDSS3 emission confirmation of galaxies hosting metal-rich Lyman α absorption systems. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 458, 3760-3772.	4.4	10
46	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
47	Galaxies with background QSOs. 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
48	Damped Ly α 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
49	Clumpiness of observed and simulated cold circumgalactic gas. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 6195-6205.	4.4	7
50	NEAR-INFRARED IMAGING OF SIX METAL-RICH QUASAR ABSORBER GALAXY FIELDS. <i>Astronomical Journal</i> , 2011, 141, 206.	4.7	5
51	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
52	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
53	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
54	The evolution of damped Ly α absorbers: metallicities and star formation rates. <i>Proceedings of the International Astronomical Union</i> , 2005, 1, 307-312.	0.0	0

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55	Evolution of Metals and Stars in Damped Lyman-Alpha Galaxies. Highlights of Astronomy, 2005, 13, 566-571.	0.0	0
56	Connecting the Interstellar Gas and Dust Properties in Distant Galaxies Using Quasar Absorption Systems. Proceedings of the International Astronomical Union, 2015, 11, .	0.0	0
57	Metals and a search for molecules in the distant Universe: Magellan mike observations of sub-DLAs at $2 < z < 3$. Monthly Notices of the Royal Astronomical Society, 2021, 504, 731-743.	4.4	0