

Daniel V. Cotton

List of Publications by Year in descending order

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35
papers

505
citations

687363

13
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713466

21
g-index

38
all docs

38
docs citations

38
times ranked

388
citing authors

#	ARTICLE	IF	CITATIONS
1	Whence the Interstellar Magnetic Field Shaping the Heliosphere?. <i>Astrophysical Journal, Supplement Series</i> , 2022, 259, 48.	7.7	9
2	A study of the F-giant star $\hat{\text{A}}\text{Scorpii}\hat{\text{A}}$: a post-merger rapid rotator?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 1129-1140.	4.4	5
3	Polarimetric detection of non-radial oscillation modes in the $\hat{\text{I}}^2$ Cephei star $\hat{\text{I}}^2$ Crucis. <i>Nature Astronomy</i> , 2022, 6, 154-164.	10.1	8
4	Polarization of hot Jupiter systems: a likely detection of stellar activity and a possible detection of planetary polarization. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 502, 2331-2345.	4.4	10
5	Phase-locked polarization by photospheric reflection in the semidetached eclipsing binary $\hat{\text{I}}\frac{1}{4}$ Sco. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 2175-2189.	4.4	8
6	The rotation of $\hat{\text{I}}\pm\hat{\text{A}}\text{Oph}$ investigated using polarimetry. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 494, 2254-2267.	4.4	12
7	Polarization measurements of the polluted white dwarf G29-38. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 494, 4591-4605.	4.4	7
8	HIPPI-2: A versatile high-precision polarimeter. <i>Publications of the Astronomical Society of Australia</i> , 2020, 37, .	3.4	26
9	Polarimetric and radiative transfer modelling of HD $\hat{\text{A}}172555$. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 499, 5915-5931.	4.4	6
10	Multi-band Aperture Polarimetry of Betelgeuse during the 2019 $\hat{\text{A}}$ 20 Dimming. <i>Research Notes of the AAS</i> , 2020, 4, 39.	0.7	13
11	The wavelength dependence of interstellar polarization in the Local Hot Bubble. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 483, 3636-3646.	4.4	17
12	Polarized reflected light from the Spica binary system. <i>Nature Astronomy</i> , 2019, 3, 636-641.	10.1	11
13	The rotationally modulated polarization of $\hat{\text{I}}\frac{3}{4}$ Boo A. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 483, 1574-1581.	4.4	13
14	The Polarization of the Planet-Hosting WASP-18 System. <i>Astronomical Journal</i> , 2018, 156, 293.	4.7	16
15	A high-precision polarimeter for small telescopes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 465, 1601-1607.	4.4	20
16	What you see and what you get: combining near-infrared spectroscopy with powder diffraction. <i>Powder Diffraction</i> , 2017, 32, S3-S8.	0.2	1
17	Polarization due to rotational distortion in the bright star Regulus. <i>Nature Astronomy</i> , 2017, 1, 690-696.	10.1	33
18	The 2 $\hat{\text{A}}$ μm spectrum of the auroral emission in the polar regions of Jupiter. <i>Icarus</i> , 2017, 294, 156-171.	2.5	4

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19	The polarization of HD 189733. Monthly Notices of the Royal Astronomical Society: Letters, 2016, 459, L109-L113.	3.3	56
20	POLARIZATION MEASUREMENTS OF HOT DUST STARS AND THE LOCAL INTERSTELLAR MEDIUM. Astrophysical Journal, 2016, 825, 124.	4.5	32
21	The linear polarization of Southern bright stars measured at the parts-per-million level. Monthly Notices of the Royal Astronomical Society, 2016, 455, 1607-1628.	4.4	32
22	A high-sensitivity polarimeter using a ferro-electric liquid crystal modulator. Monthly Notices of the Royal Astronomical Society, 2015, 449, 3064-3073.	4.4	51
23	Real poly(p-phenylene vinylene) features from near-field scanning optical lithography and the implications for further modelling. Journal Physics D: Applied Physics, 2015, 48, 325101.	2.8	0
24	Atmospheric modelling for the removal of telluric features from infrared planetary spectra. Monthly Notices of the Royal Astronomical Society, 2014, 439, 387-399.	4.4	13
25	The distribution of carbon monoxide in the lower atmosphere of Venus. Icarus, 2012, 217, 570-584.	2.5	40
26	Fabricating semi-conducting polymer photonic structures via near-field scanning optical lithography. Synthetic Metals, 2009, 159, 456-461.	3.9	6
27	Simple filters enable x-ray polarization measurements. SPIE Newsroom, 2009, , .	0.1	0
28	The origin of fine structure in near-field scanning optical lithography of an electroactive polymer. Journal Physics D: Applied Physics, 2008, 41, 195107.	2.8	5
29	Investigation of the photochemistry of the poly{p-phenylenevinylene} precursor system: Implications for nanolithography. Journal of Chemical Physics, 2007, 126, 174703.	3.0	4
30	PTMS alignment on Aluminium Oxide. , 2006, , .		0
31	Near-field scanning optical lithography of PPV for functional devices. , 2006, , .		0
32	Adsorption and orientation kinetics of self-assembled films of octadecyltrimethoxysilane on aluminium oxide surfaces. Surface and Interface Analysis, 2005, 37, 472-477.	1.8	15
33	Measuring the Tilt Angle of ODTMS Self-Assembled Monolayers on Al Oxide Surfaces. Synthetic Metals, 2005, 154, 9-12.	3.9	2
34	Towards fabrication of synthetic metal nanowires. Synthetic Metals, 2005, 154, 33-36.	3.9	0
35	The intrinsic and interstellar broadband linear polarization of nearby FGK dwarfs. Monthly Notices of the Royal Astronomical Society, 0, , stx068.	4.4	17