

# Daniel V. Cotton

## List of Publications by Year in descending order

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35  
papers

505  
citations

687363

13  
h-index

713466

21  
g-index

38  
all docs

38  
docs citations

38  
times ranked

388  
citing authors

#	ARTICLE	IF	CITATIONS
1	The polarization of HD 189733. Monthly Notices of the Royal Astronomical Society: Letters, 2016, 459, L109-L113.	3.3	56
2	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
3	The distribution of carbon monoxide in the lower atmosphere of Venus. Icarus, 2012, 217, 570-584.	2.5	40
4	Polarization due to rotational distortion in the bright star Regulus. Nature Astronomy, 2017, 1, 690-696.	10.1	33
5	POLARIZATION MEASUREMENTS OF HOT DUST STARS AND THE LOCAL INTERSTELLAR MEDIUM. Astrophysical Journal, 2016, 825, 124.	4.5	32
6	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
7	HIPPI-2: A versatile high-precision polarimeter. Publications of the Astronomical Society of Australia, 2020, 37, .	3.4	26
8	A high-precision polarimeter for small telescopes. Monthly Notices of the Royal Astronomical Society, 2017, 465, 1601-1607.	4.4	20
9	The intrinsic and interstellar broadband linear polarization of nearby FGK dwarfs. Monthly Notices of the Royal Astronomical Society, 0, , stx068.	4.4	17
10	The wavelength dependence of interstellar polarization in the Local Hot Bubble. Monthly Notices of the Royal Astronomical Society, 2019, 483, 3636-3646.	4.4	17
11	The Polarization of the Planet-Hosting WASP-18 System. Astronomical Journal, 2018, 156, 293.	4.7	16
12	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
13	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
14	The rotationally modulated polarization of $\frac{1}{4}$ Boo A. Monthly Notices of the Royal Astronomical Society, 2019, 483, 1574-1581.	4.4	13
15	Multi-band Aperture Polarimetry of Betelgeuse during the 2019-20 Dimming. Research Notes of the AAS, 2020, 4, 39.	0.7	13
16	The rotation of $\epsilon$ Oph investigated using polarimetry. Monthly Notices of the Royal Astronomical Society, 2020, 494, 2254-2267.	4.4	12
17	Polarized reflected light from the Spica binary system. Nature Astronomy, 2019, 3, 636-641.	10.1	11
18	Polarization of hot Jupiter systems: a likely detection of stellar activity and a possible detection of planetary polarization. Monthly Notices of the Royal Astronomical Society, 2021, 502, 2331-2345.	4.4	10

#	ARTICLE	IF	CITATIONS
19	Whence the Interstellar Magnetic Field Shaping the Heliosphere?. <i>Astrophysical Journal, Supplement Series</i> , 2022, 259, 48.	7.7	9
20	Phase-locked polarization by photospheric reflection in the semidetached eclipsing binary $\hat{1}/41$ Sco. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 2175-2189.	4.4	8
21	Polarimetric detection of non-radial oscillation modes in the $\hat{1}^2$ Cephei star $\hat{1}^2$ Crucis. <i>Nature Astronomy</i> , 2022, 6, 154-164.	10.1	8
22	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
23	Fabricating semi-conducting polymer photonic structures via near-field scanning optical lithography. <i>Synthetic Metals</i> , 2009, 159, 456-461.	3.9	6
24	Polarimetric and radiative transfer modelling of HD $\hat{1}$ 72555. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 499, 5915-5931.	4.4	6
25	The origin of fine structure in near-field scanning optical lithography of an electroactive polymer. <i>Journal Physics D: Applied Physics</i> , 2008, 41, 195107.	2.8	5
26	A study of the F-giant star $\hat{1}$ Scorpii $\hat{A}$ : a post-merger rapid rotator?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 1129-1140.	4.4	5
27	Investigation of the photochemistry of the poly{p-phenylenevinylene} precursor system: Implications for nanolithography. <i>Journal of Chemical Physics</i> , 2007, 126, 174703.	3.0	4
28	The 2 $\hat{A}$ $\mu$ m spectrum of the auroral emission in the polar regions of Jupiter. <i>Icarus</i> , 2017, 294, 156-171.	2.5	4
29	Measuring the Tilt Angle of ODTMS Self-Assembled Monolayers on Al Oxide Surfaces. <i>Synthetic Metals</i> , 2005, 154, 9-12.	3.9	2
30	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
31	Towards fabrication of synthetic metal nanowires. <i>Synthetic Metals</i> , 2005, 154, 33-36.	3.9	0
32	PTMS alignment on Aluminium Oxide. , 2006, , .		0
33	Near-field scanning optical lithography of PPV for functional devices. , 2006, , .		0
34	Real poly(p-phenylene vinylene) features from near-field scanning optical lithography and the implications for further modelling. <i>Journal Physics D: Applied Physics</i> , 2015, 48, 325101.	2.8	0
35	Simple filters enable x-ray polarization measurements. <i>SPIE Newsroom</i> , 2009, , .	0.1	0