## Peter G Tuthill

List of Publications by Year in descending order

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#	Article	lF	CITATIONS
1	A dusty torus around the luminous young star LkHα101. Nature, 2001, 409, 1012-1014.	27.8	106
2	Images of embedded Jovian planet formation at a wide separation around AB Aurigae. Nature Astronomy, 2022, 6, 751-759.	10.1	63
3	Pinwheels in the Quintuplet Cluster. Science, 2006, 313, 935-935.	12.6	48
4	DISCOVERY OF SEVEN COMPANIONS TO INTERMEDIATE-MASS STARS WITH EXTREME MASS RATIOS IN THE SCORPIUS–CENTAURUS ASSOCIATION. Astrophysical Journal Letters, 2015, 806, L9.	8.3	44
5	First on-sky demonstration of an integrated-photonic nulling interferometer: the GLINT instrument. Monthly Notices of the Royal Astronomical Society, 2020, 491, 4180-4193.	4.4	34
6	DANCING IN THE DARK: NEW BROWN DWARF BINARIES FROM KERNEL PHASE INTERFEROMETRY. Astrophysical Journal, 2013, 767, 110.	4.5	25
7	A demonstration of wavefront sensing and mirror phasing from the image domain. Monthly Notices of the Royal Astronomical Society, 2014, 440, 125-133.	4.4	24
8	Scalable photonic-based nulling interferometry with the dispersed multi-baseline GLINT instrument. Nature Communications, 2021, 12, 2465.	12.8	18
9	The Palomar kernel-phase experiment: testing kernel phase interferometry for ground-based astronomical observations. Monthly Notices of the Royal Astronomical Society, 2016, 455, 1647-1653.	4.4	13
10	Kernel Phase and Coronagraphy with Automatic Differentiation. Astrophysical Journal, 2021, 907, 40.	4.5	11
11	Resolving Decades of Periodic Spirals from the Wolf–Rayet Dust Factory WR 112. Astrophysical Journal, 2020, 900, 190.	4.5	11
12	High-angular-resolution stellar imaging with occultations from the Cassini spacecraft – I. Observational technique. Monthly Notices of the Royal Astronomical Society, 2013, 433, 2286-2293.	4.4	9
13	High-angular-resolution stellar imaging with occultations from the <i>Cassini</i> spacecraft – III. Mira. Monthly Notices of the Royal Astronomical Society, 2016, 457, 1410-1418.	4.4	8
14	Phase retrieval and design with automatic differentiation: tutorial. Journal of the Optical Society of America B: Optical Physics, 2021, 38, 2465.	2.1	8
15	The TOLIMAN space telescope. , 2018, , .		7
16	High-contrast HÎ $\pm$ imaging with Subaru/SCExAO + VAMPIRES. Journal of Astronomical Telescopes, Instruments, and Systems, 2020, 6, .	1.8	6
17	Multiplexed holographic aperture masking with liquid-crystal geometric phase masks. , 2018, , .		5

18 Precision astrometry mission for exoplanet detection around binary stars. , 2018, , .

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#	Article	IF	CITATIONS
19	Interferometry of pulsating red giants from 0.65 to 3.5 microns. International Astronomical Union Colloquium, 2004, 193, 327-331.	0.1	2
20	Simulating a dual beam combiner at SUSI for narrow-angle astrometry. Experimental Astronomy, 2013, 36, 195-221.	3.7	2
21	Learning the lantern: neural network applications to broadband photonic lantern modeling. Journal of Astronomical Telescopes, Instruments, and Systems, 2021, 7, .	1.8	1
22	Optical/IR Interferometry: Star Formation at sub-AU Scales. Symposium - International Astronomical Union, 2004, 221, 433-440.	0.1	0
23	SchrĶdinger's mousetrap. Nature, 2005, 434, 277-277.	27.8	0
24	Prospects for integrated photonics in space applications. , 2011, , .		0
25	Improved performance characteristics for the integrated photonic pupil remapping interferometer dragonfly. , 2013, , .		0
26	The origin of the dusty envelope around Betelgeuse. Proceedings of the International Astronomical Union, 2016, 12, 405-405.	0.0	0
27	Towards an ultrafast laser inscribed astronomical nulling interferometer in the mid-infrared. , 2017, ,		0
28	Measuring stellar diameters with a compact integrated photonic nulling interferometer in a 8 meter-class telescope. , 2017, , .		0