

# Cristina A Thomas

## List of Publications by Year in descending order

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Version: 2024-02-01

35  
papers

1,226  
citations

361413

20  
h-index

377865

34  
g-index

36  
all docs

36  
docs citations

36  
times ranked

1036  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Debiased Compositional Distribution of MITHNEOS: Global Match between the Near-Earth and Main-belt Asteroid Populations, and Excess of D-type Near-Earth Objects. <i>Astronomical Journal</i> , 2022, 163, 165.	4.7	13
2	Connecting asteroids and meteorites with visible and near-infrared spectroscopy. <i>Icarus</i> , 2022, 380, 114971.	2.5	25
3	The ESA Hera Mission: Detailed Characterization of the DART Impact Outcome and of the Binary Asteroid (65803) Didymos. <i>Planetary Science Journal</i> , 2022, 3, 160.	3.6	82
4	Space Weathering within C-complex Main Belt Asteroid Families. <i>Astronomical Journal</i> , 2021, 161, 99.	4.7	6
5	The Double Asteroid Redirection Test (DART): Planetary Defense Investigations and Requirements. <i>Planetary Science Journal</i> , 2021, 2, 173.	3.6	110
6	Constraining ordinary chondrite composition via near-infrared spectroscopy. <i>Icarus</i> , 2020, 336, 113426.	2.5	5
7	Twenty Years of SpeX: Accuracy Limits of Spectral Slope Measurements in Asteroid Spectroscopy. <i>Astrophysical Journal, Supplement Series</i> , 2020, 247, 73.	7.7	32
8	A New Method for Deriving Composition of S-type Asteroids from Noisy and Incomplete Near-infrared Spectra. <i>Astronomical Journal</i> , 2020, 159, 146.	4.7	11
9	Active Asteroid (6478) Gault: A Blue Q-type Surface below the Dust?. <i>Astrophysical Journal Letters</i> , 2019, 882, L2.	8.3	14
10	A common origin for dynamically associated near-Earth asteroid pairs. <i>Icarus</i> , 2019, 333, 165-176.	2.5	12
11	Near-Earth asteroid 2012 TC4 observing campaign: Results from a global planetary defense exercise. <i>Icarus</i> , 2019, 326, 133-150.	2.5	14
12	Hungaria asteroid region telescopic spectral survey (HARTSS) II: Spectral homogeneity among Hungaria family asteroids. <i>Icarus</i> , 2019, 322, 227-250.	2.5	16
13	Spectral Analyses of Asteroids. , 2019, , 393-412.		1
14	Visible Spectroscopy from the Mission Accessible Near-Earth Object Survey (MANOS): Taxonomic Dependence on Asteroid Size. <i>Astronomical Journal</i> , 2019, 158, 196.	4.7	32
15	AIDA DART asteroid deflection test: Planetary defense and science objectives. <i>Planetary and Space Science</i> , 2018, 157, 104-115.	1.7	162
16	The Mission Accessible Near-Earth Objects Survey: Four Years of Photometry. <i>Astrophysical Journal, Supplement Series</i> , 2018, 239, 4.	7.7	10
17	DETECTION OF ROTATIONAL SPECTRAL VARIATION ON THE M-TYPE ASTEROID (16) PSYCHE. <i>Astronomical Journal</i> , 2017, 153, 29.	4.7	25
18	Observing Near-Earth Objects with the James Webb Space Telescope. <i>Publications of the Astronomical Society of the Pacific</i> , 2016, 128, 018002.	3.1	8

#	ARTICLE	IF	CITATIONS
19	Asteroids and the James Webb Space Telescope. Publications of the Astronomical Society of the Pacific, 2016, 128, 018003.	3.1	23
20	The James Webb Space Telescope's Plan for Operations and Instrument Capabilities for Observations in the Solar System. Publications of the Astronomical Society of the Pacific, 2016, 128, 018001.	3.1	25
21	THE PHYSICAL CHARACTERIZATION OF THE POTENTIALLY HAZARDOUS ASTEROID 2004 BL86: A FRAGMENT OF A DIFFERENTIATED ASTEROID. Astrophysical Journal, 2015, 811, 65.	4.5	6
22	THE Ch-CLASS ASTEROIDS: CONNECTING A VISIBLE TAXONOMIC CLASS TO A 3.4 $\mu$ m BAND SHAPE. Astronomical Journal, 2015, 150, 198.	4.7	32
23	THE DISCOVERY OF COMETARY ACTIVITY IN NEAR-EARTH ASTEROID (3552) DON QUIXOTE. Astrophysical Journal, 2014, 781, 25.	4.5	68
24	Physical characterization of Warm Spitzer-observed near-Earth objects. Icarus, 2014, 228, 217-246.	2.5	55
25	Space weathering of small Koronis family asteroids in the SDSS Moving Object Catalog. Icarus, 2012, 219, 505-507.	2.5	21
26	Asteroid taxonomic signatures from photometric phase curves. Icarus, 2012, 219, 283-296.	2.5	49
27	Asteroid 21 Lutetia at 3.4 $\mu$ m: Observations with IRTF SpeX. Icarus, 2011, 216, 62-68.	2.5	23
28	PANIC – A surface science package for the in situ characterization of a near-Earth asteroid. Acta Astronautica, 2011, 68, 1800-1810.	3.2	3
29	Ordinary chondrite-like colors in small Koronis family members. Icarus, 2011, 211, 1294-1297.	2.5	22
30	Space weathering of small Koronis family members. Icarus, 2011, 212, 158-166.	2.5	24
31	Identifying meteorite source regions through near-Earth object spectroscopy. Icarus, 2010, 205, 419-429.	2.5	28
32	Earth encounters as the origin of fresh surfaces on near-Earth asteroids. Nature, 2010, 463, 331-334.	27.8	143
33	Spectral properties and composition of potentially hazardous Asteroid (99942) Apophis. Icarus, 2009, 200, 480-485.	2.5	64
34	Observations of X/M asteroids across multiple wavelengths. Icarus, 2008, 195, 206-219.	2.5	24
35	Composition of the L5 Mars Trojans: Neighbors, not siblings. Icarus, 2007, 192, 434-441.	2.5	38