

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	AIDA DART asteroid deflection test: Planetary defense and science objectives. <i>Planetary and Space Science</i> , 2018, 157, 104-115.	1.7	162
2	Earth encounters as the origin of fresh surfaces on near-Earth asteroids. <i>Nature</i> , 2010, 463, 331-334.	27.8	143
3	The Double Asteroid Redirection Test (DART): Planetary Defense Investigations and Requirements. <i>Planetary Science Journal</i> , 2021, 2, 173.	3.6	110
4	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
5	THE DISCOVERY OF COMETARY ACTIVITY IN NEAR-EARTH ASTEROID (3552) DON QUIXOTE. <i>Astrophysical Journal</i> , 2014, 781, 25.	4.5	68
6	Spectral properties and composition of potentially hazardous Asteroid (99942) Apophis. <i>Icarus</i> , 2009, 200, 480-485.	2.5	64
7	Physical characterization of Warm Spitzer-observed near-Earth objects. <i>Icarus</i> , 2014, 228, 217-246.	2.5	55
8	Asteroid taxonomic signatures from photometric phase curves. <i>Icarus</i> , 2012, 219, 283-296.	2.5	49
9	Composition of the L5 Mars Trojans: Neighbors, not siblings. <i>Icarus</i> , 2007, 192, 434-441.	2.5	38
10	THE Ch-CLASS ASTEROIDS: CONNECTING A VISIBLE TAXONOMIC CLASS TO A $3\frac{1}{4}\mu\text{m}$ BAND SHAPE. <i>Astronomical Journal</i> , 2015, 150, 198.	4.7	32
11	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
12	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
13	Identifying meteorite source regions through near-Earth object spectroscopy. <i>Icarus</i> , 2010, 205, 419-429.	2.5	28
14	The James Webb Space Telescope's Plan for Operations and Instrument Capabilities for Observations in the Solar System. <i>Publications of the Astronomical Society of the Pacific</i> , 2016, 128, 018001.	3.1	25
15	DETECTION OF ROTATIONAL SPECTRAL VARIATION ON THE M-TYPE ASTEROID (16) PSYCHE. <i>Astronomical Journal</i> , 2017, 153, 29.	4.7	25
16	Connecting asteroids and meteorites with visible and near-infrared spectroscopy. <i>Icarus</i> , 2022, 380, 114971.	2.5	25
17	Observations of X/M asteroids across multiple wavelengths. <i>Icarus</i> , 2008, 195, 206-219.	2.5	24
18	Space weathering of small Koronis family members. <i>Icarus</i> , 2011, 212, 158-166.	2.5	24

#	ARTICLE	IF	CITATIONS
19	Asteroid 21 Lutetia at 3 $\frac{1}{4}$ m: Observations with IRTF SpeX. <i>Icarus</i> , 2011, 216, 62-68.	2.5	23
20	Asteroids and the <i>James Webb Space Telescope</i> . <i>Publications of the Astronomical Society of the Pacific</i> , 2016, 128, 018003.	3.1	23
21	Ordinary chondrite-like colors in small Koronis family members. <i>Icarus</i> , 2011, 211, 1294-1297.	2.5	22
22	Space weathering of small Koronis family asteroids in the SDSS Moving Object Catalog. <i>Icarus</i> , 2012, 219, 505-507.	2.5	21
23	Hungaria asteroid region telescopic spectral survey (HARTSS) II: Spectral homogeneity among Hungaria family asteroids. <i>Icarus</i> , 2019, 322, 227-250.	2.5	16
24	Active Asteroid (6478) Gault: A Blue Q-type Surface below the Dust?. <i>Astrophysical Journal Letters</i> , 2019, 882, L2.	8.3	14
25	Near-Earth asteroid 2012 TC4 observing campaign: Results from a global planetary defense exercise. <i>Icarus</i> , 2019, 326, 133-150.	2.5	14
26	The Debaised 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
27	A common origin for dynamically associated near-Earth asteroid pairs. <i>Icarus</i> , 2019, 333, 165-176.	2.5	12
28	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
29	The Mission Accessible Near-Earth Objects Survey: Four Years of Photometry. <i>Astrophysical Journal, Supplement Series</i> , 2018, 239, 4.	7.7	10
30	Observing Near-Earth Objects with the <i>James Webb Space Telescope</i> . <i>Publications of the Astronomical Society of the Pacific</i> , 2016, 128, 018002.	3.1	8
31	THE PHYSICAL CHARACTERIZATION OF THE POTENTIALLY HAZARDOUS ASTEROID 2004 BL86: A FRAGMENT OF A DIFFERENTIATED ASTEROID. <i>Astrophysical Journal</i> , 2015, 811, 65.	4.5	6
32	Space Weathering within C-complex Main Belt Asteroid Families. <i>Astronomical Journal</i> , 2021, 161, 99.	4.7	6
33	Constraining ordinary chondrite composition via near-infrared spectroscopy. <i>Icarus</i> , 2020, 336, 113426.	2.5	5
34	PANIC – A surface science package for the in situ characterization of a near-Earth asteroid. <i>Acta Astronautica</i> , 2011, 68, 1800-1810.	3.2	3
35	Spectral Analyses of Asteroids. , 2019, , 393-412.		1