

Lucy F Lim

List of Publications by Year in descending order

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27
papers

1,815
citations

430874

18
h-index

552781

26
g-index

27
all docs

27
docs citations

27
times ranked

1556
citing authors

#	ARTICLE	IF	CITATIONS
1	OSIRIS-REx: Sample Return from Asteroid (101955) Bennu. <i>Space Science Reviews</i> , 2017, 212, 925-984.	8.1	426
2	Evidence for widespread hydrated minerals on asteroid (101955) Bennu. <i>Nature Astronomy</i> , 2019, 3, 332-340.	10.1	251
3	Properties of rubble-pile asteroid (101955) Bennu from OSIRIS-REx imaging and thermal analysis. <i>Nature Astronomy</i> , 2019, 3, 341-351.	10.1	188
4	Asteroid (101955) 1999 RQ36: Spectroscopy from 0.4 to 2.4 μ m and meteorite analogs. <i>Icarus</i> , 2011, 216, 462-475.	2.5	156
5	Triplicity and physical characteristics of Asteroid (216) Kleopatra. <i>Icarus</i> , 2011, 211, 1022-1033.	2.5	91
6	Variations in color and reflectance on the surface of asteroid (101955) Bennu. <i>Science</i> , 2020, 370, .	12.6	84
7	Asteroid (101955) Bennu's weak boulders and thermally anomalous equator. <i>Science Advances</i> , 2020, 6, .	10.3	83
8	The Surface Composition of Ceres. <i>Space Science Reviews</i> , 2011, 163, 95-116.	8.1	72
9	Thermal infrared (8-13 μ m) spectra of 29 asteroids: the Cornell Mid-Infrared Asteroid Spectroscopy (MIDAS) Survey. <i>Icarus</i> , 2005, 173, 385-408.	2.5	69
10	Multiple asteroid systems: Dimensions and thermal properties from Spitzer Space Telescope and ground-based observations. <i>Icarus</i> , 2012, 221, 1130-1161.	2.5	56
11	Widespread carbon-bearing materials on near-Earth asteroid (101955) Bennu. <i>Science</i> , 2020, 370, .	12.6	56
12	Elemental composition of 433 Eros: New calibration of the NEAR-Shoemaker XRS data. <i>Icarus</i> , 2009, 200, 129-146.	2.5	45
13	Minor element evidence that Asteroid 433 Eros is a space-weathered ordinary chondrite parent body. <i>Icarus</i> , 2006, 184, 338-343.	2.5	44
14	Active neutron and gamma-ray instrumentation for in situ planetary science applications. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2011, 652, 674-679.	1.6	36
15	Multi-wavelength observations of Asteroid 2100 Ra-Shalom. <i>Icarus</i> , 2008, 193, 20-38.	2.5	34
16	Asteroid (16) Psyche: Evidence for a silicate regolith from spitzer space telescope spectroscopy. <i>Icarus</i> , 2018, 304, 58-73.	2.5	34
17	Regolith X-Ray Imaging Spectrometer (REXIS) Aboard the OSIRIS-REx Asteroid Sample Return Mission. <i>Space Science Reviews</i> , 2018, 214, 1.	8.1	28
18	Mineralogy and thermal properties of V-type Asteroid 956 Elisa: Evidence for diogenitic material from the Spitzer IRS (5-35 μ m) spectrum. <i>Icarus</i> , 2011, 213, 510-523.	2.5	26

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19	Pulsed neutron generator system for astrobiological and geochemical exploration of planetary bodies. Nuclear Instruments & Methods in Physics Research B, 2005, 241, 232-237.	1.4	8
20	Visible- and near infrared spectral indices for mapping mineralogy and chemistry with OSIRIS-REx. Meteoritics and Planetary Science, 2020, 55, 744-765.	1.6	7
21	Spectral effects of varying texture and composition in two-component mudpie simulations: Insights for asteroid (101955) Bennu. Meteoritics and Planetary Science, 2021, 56, 1173-1190.	1.6	5
22	Trajectory Optimization for Missions to Small Bodies with a Focus on Scientific Merit. Computing in Science and Engineering, 2017, 19, 18-28.	1.2	4
23	Calibration and Performance of the REgolith X-Ray Imaging Spectrometer (REXIS) Aboard NASA's OSIRIS-REx Mission to Bennu. Space Science Reviews, 2021, 217, 1.	8.1	4
24	The Surface Composition of Ceres. , 2010, , 95-116.		3
25	Ground-Based Observations of the 10 August 1995 Saturn Ring-Plane Crossing. Icarus, 2001, 154, 287-295.	2.5	2
26	An Active X-Ray Spectrometer for the SELENE-2 Rover. Transactions of the Japan Society for Aeronautical and Space Sciences Aerospace Technology Japan, 2014, 12, Pk_35-Pk_42.	0.2	2
27	Modeling orbital gamma-ray spectroscopy experiments at carbonaceous asteroids. Meteoritics and Planetary Science, 2017, 52, 174-190.	1.6	1