

# Lucy F Lim

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Spectral effects of varying texture and composition in two-component $\epsilon$ -mudpie simulations: Insights for asteroid (101955) Bennu. <i>Meteoritics and Planetary Science</i> , 2021, 56, 1173-1190.	1.6	5
2	Calibration and Performance of the REgolith X-Ray Imaging Spectrometer (REXIS) Aboard NASA's OSIRIS-REx Mission to Bennu. <i>Space Science Reviews</i> , 2021, 217, 1.	8.1	4
3	Widespread carbon-bearing materials on near-Earth asteroid (101955) Bennu. <i>Science</i> , 2020, 370, .	12.6	56
4	Variations in color and reflectance on the surface of asteroid (101955) Bennu. <i>Science</i> , 2020, 370, .	12.6	84
5	Asteroid (101955) Bennu's weak boulders and thermally anomalous equator. <i>Science Advances</i> , 2020, 6, .	10.3	83
6	Visible-near infrared spectral indices for mapping mineralogy and chemistry with OSIRIS-REx. <i>Meteoritics and Planetary Science</i> , 2020, 55, 744-765.	1.6	7
7	Evidence for widespread hydrated minerals on asteroid (101955) Bennu. <i>Nature Astronomy</i> , 2019, 3, 332-340.	10.1	251
8	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
9	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
10	Asteroid (16) Psyche: Evidence for a silicate regolith from spitzer space telescope spectroscopy. <i>Icarus</i> , 2018, 304, 58-73.	2.5	34
11	OSIRIS-REx: Sample Return from Asteroid (101955) Bennu. <i>Space Science Reviews</i> , 2017, 212, 925-984.	8.1	426
12	Modeling orbital gamma-ray spectroscopy experiments at carbonaceous asteroids. <i>Meteoritics and Planetary Science</i> , 2017, 52, 174-190.	1.6	1
13	Trajectory Optimization for Missions to Small Bodies with a Focus on Scientific Merit. <i>Computing in Science and Engineering</i> , 2017, 19, 18-28.	1.2	4
14	An Active X-Ray Spectrometer for the SELENE-2 Rover. <i>Transactions of the Japan Society for Aeronautical and Space Sciences Aerospace Technology Japan</i> , 2014, 12, Pr_35-Pr_42.	0.2	2
15	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
16	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
17	Asteroid (101955) 1999 RQ36: Spectroscopy from 0.4 to 2.4 $\mu$ m and meteorite analogs. <i>Icarus</i> , 2011, 216, 462-475.	2.5	156
18	The Surface Composition of Ceres. <i>Space Science Reviews</i> , 2011, 163, 95-116.	8.1	72

#	ARTICLE	IF	CITATIONS
19	Triplicity and physical characteristics of Asteroid (216) Kleopatra. <i>Icarus</i> , 2011, 211, 1022-1033.	2.5	91
20	Mineralogy and thermal properties of V-type Asteroid 956 Elisa: Evidence for diogenitic material from the Spitzer IRS (5-14µm) spectrum. <i>Icarus</i> , 2011, 213, 510-523.	2.5	26
21	The Surface Composition of Ceres. , 2010, , 95-116.		3
22	Elemental composition of 433 Eros: New calibration of the NEAR-Shoemaker XRS data. <i>Icarus</i> , 2009, 200, 129-146.	2.5	45
23	Multi-wavelength observations of Asteroid 2100 Ra-Shalom. <i>Icarus</i> , 2008, 193, 20-38.	2.5	34
24	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
25	Pulsed neutron generator system for astrobiological and geochemical exploration of planetary bodies. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2005, 241, 232-237.	1.4	8
26	Thermal infrared (8-13 µm) spectra of 29 asteroids: the Cornell Mid-Infrared Asteroid Spectroscopy (MIDAS) Survey. <i>Icarus</i> , 2005, 173, 385-408.	2.5	69
27	Ground-Based Observations of the 10 August 1995 Saturn Ring-Plane Crossing. <i>Icarus</i> , 2001, 154, 287-295.	2.5	2