



UA SCIENCE

**LUNAR & PLANETARY  
LABORATORY**

## **2020 Refereed Publications with LPL-Affiliated Authors as Queried from SAO/NASA ADS by Month**

2020: "Lunar and Planetary Laboratory" ; "Lunar & Planetary Laboratory" ; "LPL"

### June 2020

(26 publications)

Aponte, J. C., McLain, H. L., Simkus, D. N., Elsilá, J. E., Glavin, D. P., Parker, E. T., Dworkin, J. P., Hill, D. H., Connolly, H. C., Jr., Lauretta, D. S. 2020, Meteoritics & Planetary Science **Extraterrestrial organic compounds and cyanide in the CM2 carbonaceous chondrites Agas Zarcas and Murchison**

Barnes, J. W., MacKenzie, S. M., Young, E. F., Soderblom, J. M., Hayes, A. G., Sotin, C., Brown, R. H., Soderblom, L. A. 2020, The Planetary Science Journal **Diffraction-limited Titan Surface Imaging from Orbit Using Near-infrared Atmospheric Windows**

Bixel, A., Apai, D. 2020, The Astrophysical Journal **Testing Earthlike Atmospheric Evolution on Exo-Earths through Oxygen Absorption: Required Sample Sizes and the Advantage of Age-based Target Selection**

Bos, B. J., Nelson, D. S., Pelgrift, J. Y., Liounis, A. J., Doelling, D., Norman, C. D., Olds, R. D., May, C. W., Witherspoon, R., Church, E., Huish, D., Adam, C. D., Sahr, E., Kidd, J., Drozd, K., Owen, W. M., Moreau, M. C., Seals, L. T., Butt, J., LeDuc, D., Alkiek, K., Chevres-Fernandez, L. R., Gordon, K. E., Khlopenkov, K., Haney, C., Bhatt, R., Hikes, J., Wolfram, A., Caplinger, M., Ravine, M. A., Getzandanner, K., Bartels, A., Lauretta, D. S. 2020, Space Science Reviews **In-Flight Calibration and Performance of the OSIRIS-REx Touch And Go Camera System (TAGCAMS)**

Bottke, W. F., Vokrouhlický, D., Ballouz, R.-L., Barnouin, O. S., Connolly, H. C., Elder, C., Marchi, S., McCoy, T.

J., Michel, P., Nolan, M. C., Rizk, B., Scheeres, D. J., Schwartz, S. R., Walsh, K. J., Laretta, D. S. 2020, The Astronomical Journal **Interpreting the Cratering Histories of Bennu, Ryugu, and Other Spacecraft-explored Asteroids**

Duchêne, G., Rice, M., Hom, J., Zalesky, J., Esposito, T. M., Millar-Blanchaer, M. A., Ren, B., Kalas, P., Fitzgerald, M. P., Arriaga, P., Bruzzone, S., Bulger, J., Chen, C. H., Chiang, E., Cotten, T., Czekala, I., De Rosa, R. J., Dong, R., Draper, Z. H., Follette, K. B., Graham, J. R., Hung, L.-W., Lopez, R., Macintosh, B., Matthews, B. C., Mazoyer, J., Metchev, S., Patience, J., Perrin, M. D., Rameau, J., Song, I., Stahl, K., Wang, J., Wolff, S., Zuckerman, B., Ammons, S. M., Bailey, V. P., Barman, T., Chilcote, J., Doyon, R., Gerard, B. L., Goodsell, S. J., Greenbaum, A. Z., Hibon, P., Ingraham, P., Konopacky, Q., Maire, J., Marchis, F., Marley, M. S., Marois, C., Nielsen, E. L., Oppenheimer, R., Palmer, D., Poyneer, L., Pueyo, L., Rajan, A., Rantakyro, F. T., Ruffio, J.-B., Savransky, D., Schneider, A. C., Sivaramakrishnan, A., Soummer, R., Thomas, S., Ward-Duong, K. 2020, The Astronomical Journal **The Gemini Planet Imager View of the HD 32297 Debris Disk**

Harvey, J. W. 2020, Solar Physics **Deconstructing Sunlight - A Community Enterprise**

Hendler, N., Pascucci, I., Pinilla, P., Tazzari, M., Carpenter, J., Malhotra, R., Testi, L. 2020, The Astrophysical Journal **The Evolution of Dust Disk Sizes from a Homogeneous Analysis of 1-10 Myr old Stars**

Kaspi, Y., Galanti, E., Showman, A. P., Stevenson, D. J., Guillot, T., Iess, L., Bolton, S. J. 2020, Space Science Reviews **Comparison of the Deep Atmospheric Dynamics of Jupiter and Saturn in Light of the Juno and Cassini Gravity Measurements**

Lichko, E., Egedal, J. 2020, Nature Communications **Magnetic pumping model for energizing superthermal particles applied to observations of the Earth's bow shock**

Liu, B., Lambrechts, M., Johansen, A., Pascucci, I., Henning, T. 2020, Astronomy and Astrophysics **Pebble-driven planet formation around very low-mass stars and brown dwarfs**

Lothringer, J. D., Barman, T. S. 2020, The Astronomical Journal **The PHOENIX Exoplanet Retrieval Algorithm and Using H- Opacity as a Probe in Ultrahot Jupiters**

Malhotra, R., Zhang, N. 2020, Monthly Notices of the Royal Astronomical Society **On the Divergence of First Order Resonance Widths at Low Eccentricities**

Marsset, M., Fraser, W. C., Bannister, M. T., Schwamb, M. E., Pike, R. E., Benecchi, S., Kavelaars, J. J., Alexandersen, M., Chen, Y.-T., Gladman, B. J., Gwyn, S. D. J., Petit, J.-M., Volk, K. 2020, The Planetary Science

Journal **Col-OSSOS: Compositional Homogeneity of Three Kuiper Belt Binaries**

Molaro, J. L., Walsh, K. J., Jawin, E. R., Ballouz, R.-L., Bennett, C. A., DellaGiustina, D. N., Golish, D. R., Drouet d'Aubigny, C., Rizk, B., Schwartz, S. R., Hanna, R. D., Martel, S. J., Pajola, M., Campins, H., Ryan, A. J., Bottke, W. F., Lauretta, D. S. 2020, Nature Communications **In situ evidence of thermally induced rock breakdown widespread on Bennu's surface**

Mommert, M., Hora, J. L., Trilling, D. E., Biver, N., Wierzchos, K., Harrington Pinto, O., Agarwal, J., Kim, Y., McNeill, A., Womack, M., Knight, M. M., Polishook, D., Moskovitz, N., Kelley, M. S. P., Smith, H. A. 2020, The Planetary Science Journal **Recurrent Cometary Activity in Near-Earth Object (3552) Don Quixote**

Mommert, M., Trilling, D. E., Hora, J. L., Lejoly, C., Gustafsson, A., Knight, M., Moskovitz, N., Smith, H. A. 2020, The Planetary Science Journal **Systematic Characterization of and Search for Activity in Potentially Active Asteroids**

Moór, A., Pawellek, N., Ábrahám, P., Kóspál, Á., Vida, K., Pál, A., Dutrey, A., Folco, E. D., Hughes, A. M., Kral, Q., Pascucci, I. 2020, The Astronomical Journal **The Big Sibling of AU Mic: A Cold Dust-rich Debris Disk around CP-72 2713 in the ? Pic Moving Group**

Nguyen, M. M., De Rosa, R. J., Wang, J. J., Esposito, T. M., Kalas, P., Graham, J. R., Macintosh, B., Bailey, V. P., Barman, T., Bulger, J., Chilcote, J., Cotten, T., Doyon, R., Duchêne, G., Fitzgerald, M. P., Follette, K. B., Gerard, B. L., Goodsell, S. J., Greenbaum, A. Z., Hibon, P., Hom, J., Hung, L.-W., Ingraham, P., Konopacky, Q., Larkin, J. E., Maire, J., Marchis, F., Marley, M. S., Marois, C., Metchev, S., Millar-Blanchaer, M. A., Nielsen, E. L., Oppenheimer, R., Palmer, D., Patience, J., Perrin, M., Poyneer, L., Pueyo, L., Rajan, A., Rameau, J., Rantakyrö, F. T., Ren, B., Ruffio, J.-B., Savransky, D., Schneider, A. C., Sivaramakrishnan, A., Song, I., Soummer, R., Tallis, M., Thomas, S., Wallace, J. K., Ward-Duong, K., Wiktorowicz, S., Wolff, S. 2020, The Astronomical Journal **HD 165054: An Astrometric Calibration Field for High-contrast Imagers in Baade's Window**

Rekier, J., Triana, S. A., Trinh, A., Dehant, V. 2020, The Planetary Science Journal **Inertial Modes of a Freely Rotating Ellipsoidal Planet and Their Relation to Nutations**

Robberto, M., Gennaro, M., Ubeira Gabellini, M. G., Hillenbrand, L. A., Pacifici, C., Ubeda, L., Andersen, M., Barman, T., Bellini, A., Da Rio, N., de Mink, S. E., Lodato, G., Manara, C. F., Platais, I., Pueyo, L., Strampelli, G. M., Tan, J. C., Testi, L. 2020, The Astrophysical Journal **HST Survey of the Orion Nebula Cluster in the H<sub>2</sub>O 1.4 ?m Absorption Band. I. A Census of Substellar and Planetary-mass Objects**

Sanchis, E., Testi, L., Natta, A., Manara, C. F., Ercolano, B., Preibisch, T., Henning, T., Facchini, S., Miotello, A.,

de Gregorio-Monsalvo, I., Lopez, C., Mužiš, K., Pascucci, I., Santamaría-Miranda, A., Scholz, A., Tazzari, M., van Terwisga, S., Williams, J. P. 2020, Astronomy and Astrophysics **Demographics of disks around young very low-mass stars and brown dwarfs in Lupus (Corrigendum)**

Silvestro, S., Choinacki, M., Vaz, D. A., Cardinale, M., Yizhaq, H., Esposito, F. 2020, JGR Planets **Megaripple Migration on Mars**

Steinbrügge, G., Voigt, J. R. C., Schroeder, D. M., Stark, A., Haynes, M. S., Scanlan, K. M., Hamilton, C. W., Young, D. A., Hussmann, H., Grima, C., Blankenship, D. D. 2020, Icarus **The surface roughness of Europa derived from Galileo stereo images**

Wagner, K., Stone, J., Dong, R., Ertel, S., Apai, D., Doelman, D., Bohn, A., Najita, J., Brittain, S., Kenworthy, M., Keppler, M., Webster, R., Mailhot, E., Snik, F. 2020, The Astronomical Journal **First Images of the Protoplanetary Disk around PDS 201**

Yi, R., Tran, Q. P., Ali, S., Yoda, I., Adam, Z. R., Cleaves, H., J., II, Fahrenbach, A. C. 2020, Proceedings of the National Academy of Sciences of the United States of America **A Continuous Reaction Network that Produces RNA Precursors**

## May 2020

(15 publications)

Alvarado-Gómez, J. D., Drake, J. J., Frascchetti, F., Garraffo, C., Cohen, O., Vocks, C., Poppenhäger, K., Moschou, S. P., Yadav, R. K., Manchester, W. B. 2020, The Astrophysical Journal **Tuning the Exospace Weather Radio for Stellar Coronal Mass Ejections**

Antonellini, S., Banzatti, A., Kamp, I., Thi, W.-F., Woitke, P. 2020, Astronomy and Astrophysics **Model exploration of near-IR ro-vibrational CO emission as a tracer of inner cavities in protoplanetary disks**

Barucci, M. A., Hasselmann, P. H., Praet, A., Fulchignoni, M., Deshapriya, J. D. P., Fornasier, S., Merlin, F., Clark, B. E., Simon, A. A., Hamilton, V. E., Emery, J. P., Howell, E. S., Brucato, J. R., Cloutis, E. A., Zou, X. D., Li, J.-Y., Michel, P., Ferrone, S., Poggiali, G., Reuter, D. C., DellaGiustina, D. N., Lauretta, D. S. 2020, Astronomy and Astrophysics **OSIRIS-REx spectral analysis of (101955) Bennu by multivariate statistics**

Guo, X., Crossfield, I. J. M., Dragomir, D., Kosiarek, M. R., Lothringer, J., Mikal-Evans, T., Rosenthal, L.,

Benneke, B., Knutson, H. A., Dalba, P. A., Kempton, E. M. R., Henry, G. W., McCullough, P. R., Barman, T., Blunt, S., Chontos, A., Fortney, J., Fulton, B. J., Hirsch, L., Howard, A. W., Isaacson, H., Matthews, J., Mocnik, T., Morley, C., Petigura, E. A., Weiss, L. M. 2020, The Astronomical Journal **Updated Parameters and a New Transmission Spectrum of HD 97658b**

Keating, D., Stevenson, K. B., Cowan, N. B., Rauscher, E., Bean, J. L., Bell, T., Dang, L., Deming, D., Désert, J.-M., Feng, Y. K., Fortney, J. J., Kataria, T., Kempton, E. M.-R., Lewis, N., Line, M. R., Mansfield, M., May, E., Morley, C., Showman, A. P. 2020, The Astronomical Journal **Smaller than Expected Bright-spot Offsets in Spitzer Phase Curves of the Hot Jupiter Qatar-1b**

Lavraud, B., Fargette, N., Réville, V., Szabo, A., Huang, J., Rouillard, A. P., Viall, N., Phan, T. D., Kasper, J. C., Bale, S. D., Berthomier, M., Bonnell, J. W., Case, A. W., Dudok de Wit, T., Eastwood, J. P., Génot, V., Goetz, K., Griton, L. S., Halekas, J. S., Harvey, P., Kieokaew, R., Klein, K. G., Korreck, K. E., Kouloumvakos, A., Larson, D. E., Lavarra, M., Livi, R., Louarn, P., MacDowall, R. J., Maksimovic, M., Malaspina, D., Nieves-Chinchilla, T., Pinto, R. F., Poirier, N., Pulupa, M., Raouafi, N. E., Stevens, M. L., Toledo-Redondo, S., Whittlesey, P. L. 2020, The Astrophysical Journal **The Heliospheric Current Sheet and Plasma Sheet during Parker Solar Probe's First Orbit**

Michel, P., Ballouz, R.-L., Barnouin, O. S., Jutzi, M., Walsh, K. J., May, B. H., Manzoni, C., Richardson, D. C., Schwartz, S. R., Sugita, S., Watanabe, S., Miyamoto, H., Hirabayashi, M., Bottke, W. F., Connolly, H. C., Yoshikawa, M., Lauretta, D. S. 2020, Nature Communications **Collisional formation of top-shaped asteroids and implications for the origins of Ryugu and Bennu**

Moitra, P., Sonder, I., Valentine, G. A. 2020, Earth and Planetary Science Letters **The role of external water on rapid cooling and fragmentation of magma**

Peacock, S., Barman, T., Shkolnik, E. L., Loyd, R. O. P., Schneider, A. C., Pagano, I., Meadows, V. S. 2020, The Astrophysical Journal **HAZMAT VI: The Evolution of Extreme Ultraviolet Radiation Emitted from Early M Stars**

Perrin, C., Rodriguez, S., Jacob, A., Lucas, A., Spiga, A., Murdoch, N., Lorenz, R., Daubar, I. J., Pan, L., Kawamura, T., Lognonné, P., Banfield, D., Banks, M. E., Garcia, R. F., Newman, C. E., Ohja, L., Widmer-Schmidrig, R., McEwen, A. S., Banerdt, W. B. 2020, Geophysical Research Letters **Monitoring of Dust Devil Tracks Around the InSight Landing Site, Mars, and Comparison With In Situ Atmospheric Data**

Thomas, M. F., McEwen, A. S., Dundas, C. M. 2020, Icarus **Present-day mass wasting in sulfate-rich sediments in the equatorial regions of Mars**

Verniero, J. L., Larson, D. E., Livi, R., Rahmati, A., McManus, M. D., Pyakurel, P. S., Klein, K. G., Bowen, T. A., Bonnell, J. W., Alterman, B. L., Whittlesey, P. L., Malaspina, D. M., Bale, S. D., Kasper, J. C., Case, A. W., Goetz, K., Harvey, P. R., Korreck, K. E., MacDowall, R. J., Pulupa, M., Stevens, M. L., de Wit, T. D. 2020, The Astrophysical Journal Supplement Series **Parker Solar Probe Observations of Proton Beams Simultaneous with Ion-scale Waves**

Wong, I., Benneke, B., Gao, P., Knutson, H. A., Chachan, Y., Henry, G. W., Deming, D., Kataria, T., Lee, G. K. H., Nikolov, N., Sing, D. K., Ballester, G. E., Baskin, N. J., Wakeford, H. R., Williamson, M. H. 2020, The Astronomical Journal **Optical to Near-infrared Transmission Spectrum of the Warm Sub-Saturn HAT-P-12b**

Zellem, R. T., Pearson, K. A., Blaser, E., Fowler, M., Ciardi, D. R., Biferno, A., Massey, B., Marchis, F., Baer, R., Ball, C., Chasin, M., Conley, M., Dixon, S., Fletcher, E., Hernandez, S., Nair, S., Perian, Q., Sienkiewicz, F., Tock, K., Vijayakumar, V., Swain, M. R., Roudier, G. M., Bryden, G., Conti, D. M., Hill, D. H., Hergenrother, C. W., Dussault, M., Kane, S. R., Fitzgerald, M., Boyce, P., Peticolas, L., Gee, W., Cominsky, L., Zimmerman-Brachman, R., Smith, D., Creech-Eakman, M. J., Engelke, J., Iturralde, A., Dragomir, D., Jovanovic, N., Lawton, B., Arbouch, E., Kuchner, M., Malvache, A. 2020, Publications of the Astronomical Society of the Pacific **Utilizing Small Telescopes Operated by Citizen Scientists for Transiting Exoplanet Follow-up**

## April 2020

(14 publications)

Bodewits, D., Noonan, J. W., Feldman, P. D., Bannister, M. T., Farnocchia, D., Harris, W. M., Li, J.-Y., Mandt, K. E., Parker, J. W., Xing, Z.-X. 2020, Nature Astronomy **The carbon monoxide-rich interstellar comet 2I/Borisov**

Brown, Z., Koskinen, T., Müller-Wodarg, I., West, R., Jouchoux, A., Esposito, L. 2020, Nature Astronomy **A pole-to-pole pressure-temperature map of Saturn's thermosphere from Cassini Grand Finale data**

Brozović, M., Nolan, M. C., Magri, C., Folkner, W. M., Jacobson, R. A., Harcke, L. J., McMichael, J. G., Richardson, J. E., Harmon, J. K., Taylor, P. A., Benner, L. A. M., Giorgini, J. D., Ostro, S. J., Perillat, P. J., Hine, A.

- A., Naidu, S. P., Slade, M. A., RoĎek, A., Rodriguez-Ford, L. A., Zambrano-Marin, L. F. 2020, The Astronomical Journal **Arecibo Radar Astrometry of the Galilean Satellites from 1999 to 2016**
- Eisenhardt, P. R. M., Marocco, F., Fowler, J. W., Meisner, A. M., Kirkpatrick, J. D., Garcia, N., Jarrett, T. H., Koontz, R., Marchese, E. J., Stanford, S. A., Caselden, D., Cushing, M. C., Cutri, R. M., Faherty, J. K., Gelino, C. R., Gonzalez, A. H., Mainzer, A., Mobasher, B., Schlegel, D. J., Stern, D., Teplitz, H. I., Wright, E. L. 2020, The Astrophysical Journal Supplement Series **The CatWISE Preliminary Catalog: Motions from WISE and NEOWISE Data**
- Gibbs, A., Bixel, A., Rackham, B. V., Apai, D., Schlecker, M., Espinoza, N., Mancini, L., Chen, W.-P., Henning, T., Gabor, P., Boyle, R., Perez Chavez, J., Mousseau, A., Dietrich, J., Jay Socia, Q., Ip, W., Ngeow, C.-C., Tsai, A.-L., Bhandare, A., Marian, V., Baehr, H., Brown, S., Häberle, M., Keppler, M., Molaverdikhani, K., Sarkis, P. 2020, The Astronomical Journal **EDEN: Sensitivity Analysis and Transiting Planet Detection Limits for Nearby Late Red Dwarfs**
- Kaplan, H. H., Hamilton, V. E., Howell, E. S., Scott Anderson, F., Barrucci, M. A., Brucato, J., Burbine, T. H., Clark, B. E., Cloutis, E. A., Connolly, H. C., Dotto, E., Emery, J. P., Fornasier, S., Lantz, C., Lim, L. F., Merlin, F., Praet, A., Reuter, D. C., Sandford, S. A., Simon, A. A., Takir, D., Lauretta, D. S. 2020, Meteoritics and Planetary Science **Visible-near infrared spectral indices for mapping mineralogy and chemistry with OSIRIS-REx**
- Maj, R., Cairns, I. H., Martinović, M. M. 2020, Radio Science **Impedance and Voltage Power Spectra of a Monopole Antenna in a Warm Plasma—Derivation and Application to CubeSats**
- Moskovitz, N. A., Benson, C. J., Scheeres, D., Endicott, T., Polishook, D., Binzel, R., DeMeo, F., Ryan, W., Ryan, E., Willman, M., Hergenrother, C., Verveer, A., Lister, T., Birtwhistle, P., Sickafoose, A., Nagayama, T., Gilmore, A., Kilmartin, P., Benecchi, S., Sheppard, S., Marchis, F., Augusteijn, T., Smirnova, O. 2020, Icarus **Observational investigation of the 2013 near-Earth encounter by asteroid (367943) Duende**
- Sanchez, J. A., Thomas, C., Reddy, V., Frere, N., Lindsay, S. S., Mitchell, A. 2020, The Astronomical Journal **A New Method for Deriving Composition of S-type Asteroids from Noisy and Incomplete Near-infrared Spectra**
- Takir, D., Kareta, T., Emery, J. P., Hanuš, J., Reddy, V., Howell, E. S., Rivkin, A. S., Arai, T. 2020, Nature Communications **Near-infrared observations of active asteroid (3200) Phaethon reveal no evidence for hydration**

Verscharen, D., Parashar, T. N., Gary, S. P., Klein, K. G. 2020, Monthly Notices of the Royal Astronomical Society **Dependence of kinetic plasma waves on ion-to-electron mass ratio and light-to-Alfvén speed ratio**

Wierzchos, K., Womack, M. 2020, The Astronomical Journal **CO Gas and Dust Outbursts from Centaur 29P/Schwassmann-Wachmann**

Xing, Z., Bodewits, D., Noonan, J., Bannister, M. T. 2020, The Astrophysical Journal **Water Production Rates and Activity of Interstellar Comet 2I/Borisov**

Zhou, Y., Apai, D., Bedin, L. R., Lew, B. W. P., Schneider, G., Burgasser, A. J., Manjavacas, E., Karalidi, T., Metchev, S., Miles-Páez, P. A., Cowan, N. B., Lowrance, P. J., Radigan, J. 2020, The Astronomical Journal **Cloud Atlas: High-precision HST/WFC3/IR Time-resolved Observations of Directly Imaged Exoplanet HD 106906b**

## March 2020

(19 publications)

Barnes, J. J., McCubbin, F. M., Santos, A. R., Day, J. M. D., Boyce, J. W., Schwenzer, S. P., Ott, U., Franchi, I. A., Messenger, S., Anand, M., Agee, C. B. 2020, Nature Geoscience **Multiple early-formed water reservoirs in the interior of Mars**

Bhattacharyya, D., Chaufray, J. Y., Mayyasi, M., Clarke, J. T., Stone, S., Yelle, R. V., Pryor, W., Bertaux, J. L., Deighan, J., Jain, S. K., Schneider, N. M. 2020, Icarus **Two-dimensional model for the martian exosphere: Applications to hydrogen and deuterium Lyman  $\gamma$  observations**

Cubillos, P. E., Fossati, L., Koskinen, T., Young, M. E., Salz, M., France, K., Sreejith, A. G., Haswell, C. A. 2020, The Astronomical Journal **Near-ultraviolet Transmission Spectroscopy of HD 209458b: Evidence of Ionized Iron Beyond the Planetary Roche Lobe**

Emsenhuber, A., Cambioni, S., Asphaug, E., Gabriel, T. S. J., Schwartz, S. R., Furfaro, R. 2020, The Astrophysical Journal **Realistic On-the-fly Outcomes of Planetary Collisions. II. Bringing Machine Learning to N-body Simulations**

Fletcher, L. N., Kaspi, Y., Guillot, T., Showman, A. P. 2020, Space Science Reviews **How Well Do We Understand the Belt/Zone Circulation of Giant Planet Atmospheres?**

Golish, D. R., DellaGiustina, D. N., Li, J.-Y., Clark, B. E., Zou, X.-D., Smith, P.H., Rizos, J. L., Hasselmann, P.H., Bennett, C. A., Fornasier, S., Ballouz, R.-L., Drouet d'Aubigny, C., Rizk, B., Daly, M. G., Barnouin, O. S.,



Philpott, L., Al Asad, M. M., Seabrook, J. A., Johnson, C. L., Lauretta, D. S. 2020, Icarus **Disk-resolved photometric modeling and properties of asteroid (101955) Benu** , in press, published online 5 March

Hurford, T. A., Henning, W. G., Maguire, R., Lekic, V., Schmerr, N., Panning, M., Bray, V. J., Manga, M., Kattenhorn, S. A., Quick, L. C., Rhoden, A. R. 2020, Icarus **Seismicity on tidally active solid-surface worlds**

Kaplan, H. H., Hamilton, V. E., Howell, E. S., Anderson, S. F., Barrucci, M. A., Brucato, J., Burbine, T. H., Clark, B. E., Cloutis, E. A., Connelly Jr., H. C., Dotto, E., Emery, J. P. Fornasier, A., Lantz, C., Lim, L. F., Merlin, F., Praet, A., Reuter, D. C., Sandford, S. A., Simon, A. A., Takir, D., Lauretta, D. S. 2020, Meteoritics & Planetary Science **Visible–near infrared spectral indices for mapping mineralogy and chemistry with OSIRIS-REx**

Koskinen, T. T., Sandel, B. R., Yelle, R. V., Holsclaw, G. M., Quemerais, E. 2020, Icarus **Saturn in Lyman ? : A comparison of Cassini and Voyager observations**

Lew, B. W. P., Apai, D., Zhou, Y., Radigan, J., Marley, M., Schneider, G., Cowan, N. B., Miles-Páez, P. A., Manjavacas, E., Karalidi, T., Bedin, L. R., Lowrance, P. J., Burgasser, A. J. 2020, The Astronomical Journal **Cloud Atlas: Weak Color Modulations Due to Rotation in the Planetary-mass Companion GU Psc b and 11 Other Brown Dwarfs**

Markwardt, L., Gerdes, D. W., Malhotra, R., Becker, J. C., Hamilton, S. J., Adams, F. C. 2020, Monthly Notices of the Royal Astronomical Society **Search for L5 Earth Trojans with DECam**

Marusiak, A. G., Schmerr, N. C., DellaGiustina, D. N. Pettit, E. C., Dahl, P. H., Avenson, B., Bailey, S. H., Bray, V. J., Wagner, N., Carr, C. G., Weber, R. C. 2020, Seismological Research Letters **The Deployment of the Seismometer to Investigate Ice and Ocean Structure (SIOS) on Gulkana Glacier, Alaska**

Masiero, J. R., Mainzer, A. K., Bauer, J. M., Cutri, R. M., Grav, T., Kramer, E., Pittichová, J., Sonnett, S., Wright, E. L. 2020, Planetary Science Journal **Asteroid Diameters and Albedos from NEOWISE Reactivation Mission Years 4 and 5 Planetary Science Journal**

McGraw, A. M., Reddy, V., Izawa, M. R. M., Sanchez, J. A., Le Corre, L., Cloutis, E. A., Applin, D. M., Pearson, N. 2020, The Astronomical Journal **Mineralogical Criteria for the Parent Asteroid of the "Carbonaceous" Achondrite NWA 6704**

Molaverdikhani, K., Helling, C., Lew, B. W. P., MacDonald, R. J., Samra, D., Iro, N., Woitke, P., Parmentier, V.

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