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

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

March 2020

(20 publications)


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 ? observations


Fletcher, L. N., Kaspi, Y., Guilhot, 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., Sebrook, J. A., Johnson, C. L., Lauretta, D. S. 2020, Icarus Disk-resolved photometric modeling and properties of asteroid (101955) Bennu, in press, published online 5 March


Pinilla, P., Pascucci, I., Marino, S. 2020, Astronomy and Astrophysics Hints on the origins of particle traps in protoplanetary disks given by the $M_{dust} - M_*$ relation


February 2020

(31 publications)


Bandyopadhyay, R., Goldstein, M. L., Maruca, B. A., Matthaeus, W. H., Parashar, T. N., Ruffolo, D., Chhiber, R.,
Usmanov, A., Chasapis, A., Qudsi, R., Bale, S. D., Bonnell, J. W., Dudok de Wit, T., Goetz, K., Harvey, P. R.,
MacDowall, R. J., Malaspina, D. M., Pulupa, M., Kasper, J. C., Korreck, K. E., Case, A. W., Stevens, M.,
Supplement Series Enhanced Energy Transfer Rate in Solar Wind Turbulence Observed near the Sun from Parker Solar Probe

Bennett, C. A., DellaGiustina, D. N., Becker, K. J., Becker, T. L., Edmundson, K. L., Golish, D. R., Bennett, R. J.,
Burke, K. N., Cue, C. N. U., Clark, B. E., Contreras, J., Deshapriya, J. D. P., Douet D’Aubigny, C., Fitzgibbon, G.,
Palmer, E. E., Weirich, J. R., Al Asad, M. M., Philpott, L., Daly, M. G., Barnouin, O. S., Enos, H. L., Lauretta, D. S.
A high-resolution global basemap of (101955) Bennu Icarus, published online 26 February


Bruzzone, J. S., Metchev, S., Duchêne, G., Millar-Blanchaer, M. A., Dong, R., Esposito, T. M., Wang, J. J.,
Graham, J. R., Mazoyer, J., Wolff, S., Ammons, S. M., Schneider, A. C., Greenbaum, A. Z., Matthews, B. C.,
Konopacky, Q., Larkin, J. E., Macintosh, B., Maire, J., Marchis, F., Marois, C., Morzinski, K. M., Nielsen, E. L.,
Oppenheimer, R., Palmer, D., Patel, R., Patience, J., Perrin, M., Poyneer, L., Pueyo, L., Rajan, A., Rameau, J.,

Case, A. W., Kasper, J. C., Stevens, M. L., Korreck, K. E., Paulson, K., Daigneau, P., Caldwell, D., Freeman, M.,
Henry, T., Klingensmith, B., Bookbinder, J. A., Robinson, M., Berg, P., Tiu, C., Wright, K. H., Reinhart, M. J.,

G., de Wit, T. D., Goetz, K., Harvey, P. R., Kasper, J. C., Klein, K. G., Korreck, K. E., Larson, D., Livi, R.,


Evaluating Climate Variability of the Canonical Hot-Jupiters HD 189733b and HD 209458b through Multi-epoch Eclipse Observations

Current Population Statistics Do Not Favor Photoevaporation over Core-powered Mass Loss as the Dominant Cause of the Exoplanet Radius Gap

Anticorrelation between the Bulk Speed and the Electron Temperature in the Pristine Solar Wind: First Results from the Parker Solar Probe and Comparison with Helios

The Enhancement of Proton Stochastic Heating in the Near-Sun Solar Wind

CME-associated Energetic Ions at 0.23 au: Consideration of the Auroral Pressure Cooker Mechanism Operating in the Low Corona as a Possible Energization Process

A Warm Layer in the Nightside Mesosphere of Mars

Introduction
Bulger, J., Chilcote, J., Cotten, T., Doyon, R., Esposito, T. M., Fitzgerald, M. P., Follette, K. B., Gerard, B. L.,
E., Maire, J., Marchis, F., Marois, C., Metchev, S., Oppenheimer, R., Palmer, D., Patience, J., Perrin, M.,
Poyneer, L., Pueyo, L., Rajan, A., Rantakyrö, F. T., Ruffio, J.-B., Savransky, D., Schneider, A. C.,
Sivaramakrishnan, A., Song, I., Soummer, R., Thomas, S., Wallace, J. K., Ward-Duong, K., Wiktorowicz, S.,

Pegues, J., Öberg, K. I., Bergner, J. B., Loomis, R. A., Qi, C., Gal, R. L., Cleeves, L. I., Guzmán, V. V., Huang, J.,
The Astrophysical Journal **An ALMA Survey of H₂CO in Protoplanetary Disks**

Peterson, W. K., Andersson, L., Ergun, R., Thiemann, E., Pilinski, M., Thaller, S., Fowler, C., Mitchell, D., Benna,
M., Yelle, R., Stone, S. 2020, Journal of Geophysical Research (Space Physics) **Subsolar Electron Temperatures in the Lower Martian Ionosphere**

**Full-Field Modeling of Heat Transfer in Asteroid Regolith: Radiative Thermal Conductivity of Polydisperse Particulates**


Venot, O., Parmentier, V., Blecic, J., Cubillos, P. E., Waldmann, I. P., Changeat, Q., Moses, J. I., Tremblin, P.,

Wright, E., Quillen, A. C., South, J., Nelson, R. C., Sánchez, P., Martini, L., Schwartz, S. R., Nakajima, M., Asphaug, E. 2020, Icarus Boulder stranding in ejecta launched by an impact generated seismic pulse


January 2020

(21 publications)


Bixel, A., Apai, D. 2020, The Astronomical Journal Identifying Exo-Earth Candidates in Direct Imaging Data through Bayesian Classification


as measured by the ROSINA double focusing mass spectrometer

De Rosa, R. J., Nielsen, E. L., Wang, J. J., Ammons, S. M., Duchêne, G., Macintosh, B., Rameau, J., Bailey, V. P.,
Barman, T., Bulger, J., Chilcote, J., Cotten, T., Doyon, R., Esposito, T. M., Fitzgerald, M. P., Follette, K. B.,
Rantakyrö, F. T., Ren, B., Ruffio, J.-B., Savransky, D., Schneider, A. C., Sivaramakrishnan, A., Song, I.,
Astronomical Journal An Updated Visual Orbit of the Directly Imaged Exoplanet 51 Eridani b
and Prospects for a Dynamical Mass Measurement with Gaia

mapping of Arsia Mons caldera

Golish, D. R., Drouet d’Aubigny, C., Rizk, B., DellaGiustina, Smith, P.H., Becker, K., Shultz, N., Stone, T.,
Barker, M.K., Mazarico, E., Tatsumi, E., Gaskell, R.W., Harrison, L., Merrill, C., Fellows, C., Williams, B.,
O’Dougherty, S., Whiteley, M., Hancock, J., Clark, B.E., Hergenrother, C.W., Lauretta, D.S. 2020, Space
Sciences Reviews Ground and In-Flight Calibration of the OSIRIS-REx Camera Suite

Grady, C. A., Wisniewski, P., Schneider, G., Boccaletti, A., Gaspar, A., Debes, J.H., Hines, D. C., Stark, C. C.,
Thalmann, C., Lagrange, A.-M., Augereau, J.-C., Sezestre, E., Milli, J., Henning, Th., Kuchner, M.J. 2020, The
Astrophysical Journal The Eroding Disk of AU Mic


Johnson, B. C., Sori, M. M., Evans, A. J. Ferrovolcanism on metal worlds and the origin of pallasites 2020NatAs...4...41J


Pike, R. E., Proudfoot, B. C. N., Ragozzine, D., Alexandersen, M., Maggard, S., Bannister, M. T., Chen, Y.-T., Gladman, B. J., Kavelaars, J. J., Gwyn, S., Volk, K. A dearth of small members in the Haumea family revealed by OSSOS 2020NatAs...4...89P


Williams, J., Day, M., Chojnacki, M., Rice, M. 2020, Icarus Scarp orientation in regions of active aeolian erosion on Mars