

List of Publications

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Viale Pindaro 42, Pescara, Italia

- [1] Lunine, J.I., Coustenis, A., **Mitri, G.**, Tobie, G., Tosi, F. 2018. Future Exploration of Enceladus and Saturn's Icy Moons. Enceladus and the Icy Moons of Saturn, Arizona Univ. Press.
- [2] Orosei, R., Lauro, S.E., Pettinelli, E., Cicchetti, A., Coradini, C., Cosciotti, B., Di Paolo, F., Flamini, E., Mattei, E., Pajola, M., Soldovieri, F., Cartacci, M., Cassenti, F., Frigeri, A., Giuppi, S., Martufi, R., Masdea, A., **Mitri, G.**, Nenna, C., Noschese, R., Restano, M., Seu, R. 2018. Evidence of subglacial liquid water in Planum Australe, Mars, from MARSIS radar observations, *Science*, 361(6401), pp. 490-493.
- [3] **Mitri, G.**, Postberg, F., Soderblom, J. M., Wurz, P., Tortora, P., Abel, B., Barnes, J. W., Berga, M., Carrasco, N., Coustenis, A., de Vera, J. P., D'Ottavio, A., Ferri, F., Hayes, A. G., Hayne, P. O., Hillier, J. K., Kempf, S., Lebreton, J.-P., Lorenz, R. D., Martelli, A., Orosei, R., Petropoulos, A.E., Reh, K., Schmidt, J., Sotin, C., Srama, R., Tobie, G., Vorburget, A., Vuitton, V., Wong, A., Zannoni, M. 2017. Explorer of Enceladus and Titan (E²T): Investigating Ocean Worlds' Evolution and Habitability in the Solar System. *Planetary and Space Science*. 155, pp. 73-90.
- [4] Pizzi, A., Di Domenica, A., Komatsu, G., Cofano, A., **Mitri, G.** 2017. Rifting vs. drifting in the globally expanded Ganymede, *Icarus*, 288, pp. 148-159.
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- [6] Di Paolo, F., Lauro, S. E., Castelletti, D., **Mitri, G.**, Bovolò, F., Cosciotti, B., Mattei, E., Orosei, R., Notarnicola, C., Bruzzone, L., Pettinelli, P. 2015. Radar signal penetration and horizons detection on Europa through numerical simulations. *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing (JSTARS)*, 10(1), 7457212, pp. 118-129.
- [7] Meriggiola, R., Iess, L., Stiles, B., Lunine, J. I., **Mitri, G.** 2015. The rotational dynamics of Titan from Cassini RADAR images, *Icarus*, 275, pp. 183-192.
- [8] Čadež, O., Tobie, G., Van Hoolst, T., Masse, M., Choblet, G., Lefevre, A., **Mitri, G.**, Baland, R.-M., Behoukova, M., Bourgeois, O., Trinh, A. 2016. Enceladus's internal ocean and ice shell constrained from Cassini gravity, shape and libration data, *J. Geophysical Res. Lett.*, 43(11), pp. 5653-5660.

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- [10] **Mitri, G.**, Coustenis, A., Fanchini, G., Hayes, A. G., Iess, L., Khurana, K., Lebreton, J.-P., Lopes, R. M., Lorenz, R. D., Meriggiola, R., Moriconi, M. L., Orosei, R., Sotin, C., Stofan, E., Tobie, G., Tokano, T., Tosi, F. 2014. The exploration of Titan with an orbiter and a lake probe. *Planetary and Space Science*. 104, pp. 78-92.
- [11] **Mitri, G.**, Meriggiola, R., Hayes, A., Lefevre, A., Tobie, G., Genova, A., Lunine, J.I., Zebker, H. 2014. Shape, topography, gravity anomalies and tidal deformation of Titan. *Icarus* 236, pp. 169-177.
- [12] Mastrogiuseppe, M. Poggiali, V., Hayes, A., Lorenz, R., Lunine, J., Picardi, G., Seu, R., Flamini, E., **Mitri, G.**, Notarnicola, C., Paillou, P., Zebker, H. 2014. The bathymetry of a Titan sea. *Geophysical Research Letters* 41(5), pp. 1432-1437.
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- [14] Bruzzone, L., Plaut, J.J., Alberti, G., Blankenship, D.D., Bovolo, F., Campbell, B.A., Ferro, A., Gim, Y., Kofman, W., Komatsu, G., McKinnon, W., **Mitri, G.**, Orosei, R., Patterson, G.W., Plettemeier, D. Seu, R., 2013. RIME: Radar for Icy Moon Exploration. *Geoscience and Remote Sensing*, 6723686, pp. 3907-3910.
- [15] Langhans M., Lunine J. I., **Mitri, G.** 2013. Titan's Xanadu region: Geomorphology and formation scenario. *Icarus*, 223(2), pp. 796-803.
- [16] Hayes, A., Aharonson, O., Lunine, J., Turtle, E., Wye, L., Zebker, H., Paillou, P., Lorenz, R., **Mitri, G.**, Wall, S., Stofan, E. R., Elachi, C. and the Cassini RADAR Team 2011. Observations and Modeling of Transient Surface Liquid in Titan's South Polar Region Using the Cassini Radar. *Icarus* 211(1), pp. 655-671.
- [17] Radebaugh, J., Lorenz, R., Wall, S., Kirk, R., Wood, C., Farr, T., Lunine, J., Lopes, R., Stofan, E., Valora, P., Hayes, A., Stiles, B., **Mitri, G.**, Zebker, H., Janssen, M., Wye, L., LeGall, A., Mitchell K., and the Cassini Radar Team 2011. Regional geomorphology and history of Titan's Xanadu province. *Icarus* 211(1), pp. 672-685.
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