Sorsa L-I, Takala M, Bambach P, Deller J, Vilenius E, Agarwal J, Carroll KA, Karatekin Ö, Pursiainen S. 2020. Tomographic inversion of gravity gradient field for a synthetic Itokawa model. Icarus. 336. https://doi.org/10.1016/j.icarus.2019.113425

Hanuš J, Marsset M, Vernazza P, Viikinkoski M, Drouard A, Broa M, Carry B, Fetick R, Marchis F, Jorda L, Fusco T, Birlan M, Santana-Ros T, Podlewska-Gaca E, Jehin E, Ferrais M, Grice J, Bartczak P, Berthier J, Castillo-Rogez J, Cipriani F, Colas F, Dudziński G, Dumas C, Äž Urech J, Kaasalainen M, Kryszczynska A, Lamy P, Le Coroller H, Marciniak A, Michalowski T, Michel P, Pajuelo M, Tanga P, Vachier F, Vigan A, Witasse O, Yang B. 2019. The shape of (7) Iris as evidence of an ancient large impact?. Astronomy and Astrophysics. 624. https://doi.org/10.1051/0004-6361/201834541

Fétick RJL, Jorda L, Vernazza P, Marsset M, Drouard A, Fusco T, Carry B, Marchis F, Hanuš J, Viikinkoski M, Birlan M, Bartczak P, Berthier J, Castillo-Rogez J, Cipriani F, Colas F, Dudziński G, Dumas C, Ferrais M, Jehin E, Kaasalainen M, Kryszczynska A, Lamy P, Le Coroller H, Marciniak A, Michalowski T, Michel P, Mugnier LM, Neichel B, Pajuelo M, Podlewska-Gaca E, Santana-Ros T, Tanga P, Vachier F, Vigan A, Witasse O, Yang B. 2019. Closing the gap between Earth-based and interplanetary mission observations: Vesta seen by VLT/SPHERE. Astronomy and Astrophysics. 623. https://doi.org/10.1051/0004-6361/201834749

Carry B, Vachier F, Berthier J, Marsset M, Vernazza P, Grice J, Merline WJ, Lagadec E, Fienga A, Conrad A, Podlewska-Gaca E, Santana-Ros T, Viikinkoski M, Hanuš J, Dumas C, Drummond JD, Tamblyn PM, Chapman CR, Behrend R, Bernasconi L, Bartczak P, Benkhaldoun Z, Birlan M, Castillo-Rogez J, Cipriani F, Colas F, Drouard A, Durech J, Enke BL, Fauvaud S, Ferrais M, Fetick R, Fusco T, Gillon M, Jehin E, Jorda L, Kaasalainen M, Keppler M, Kryszczynska A, Lamy P, Marchis F, Marciniak A, Michalowski T, Michel P, Pajuelo M, Tanga P, Vigan A, Warner B, Witasse O, Yang B, Zurlo A. 2019. Homogeneous internal structure of CM-like asteroid (41) Daphne. Astronomy and Astrophysics. 623. https://doi.org/10.1051/0004-6361/201833898

Bambach P, Deller J, Vilenius E, Pursiainen S, Takala M, Braun HM, Lentz H, Wittig M. 2018. DISCUS – The Deep Interior Scanning CubeSat mission to a rubble pile near-Earth asteroid. Advances in Space Research. 62(12):3357-3368. https://doi.org/10.1016/j.asr.2018.06.016

Viikinkoski M, Vernazza P, Hanuš J, Le Coroller H, Tazhenova K, Carry B, Marsset M, Drouard A, Marchis F, Fetick R, Fusco T, Ďurech J, Birlan M, Berthier J, Bartczak P, Dumas C, Castillo-Rogez J, Cipriani F, Colas F, Ferrais M, Grice J, Jehin E, Jorda L, Kaasalainen M, Kryszczynska A, Lamy P, Marciniak A, Michalowski T, Michel P, Pajuelo M, Podlewska-Gaca E, Santana-Ros T, Tanga P, Vachier F, Vigan A, Warner B, Witasse O, Yang B. 2018. (16) Psyche: A mesosiderite-like asteroid?. Astronomy and Astrophysics. 619. https://doi.org/10.1051/0004-6361/201834091

Vernazza P, Broz M, Drouard A, Hanuš J, Viikinkoski M, Marsset M, Jorda L, Fetick R, Carry B, Marchis F, Birlan M, Fusco T, Santana-Ros T, Podlewska-Gaca E, Jehin E, Ferrais M, Bartczak P, Dudziński G, Berthier J, Castillo-Rogez J, Cipriani F, Colas F, Dumas C, Urech J, Kaasalainen M, Kryszczynska A, Lamy P, Le Coroller H, Marciniak A, Michalowski T, Michel P, Pajuelo M, Tanga P, Vachier F, Vigan A, Warner B, Witasse O, Yang B, Asphaug E, Richardson DC, Ševeček P, Gillon M, Benkhaldoun Z. 2018. The impact crater at the origin of the Julia family detected with VLT/SPHERE? . Astronomy and Astrophysics. 618. https://doi.org/10.1051/0004-6361/201833477

Cibulková H, Nortunen H, Ďurech J, Kaasalainen M, Vereš P, Jedicke R, Wainscoat RJ, Mommert M, Trilling DE, Schunová-Lilly E, Magnier EA, Waters C, Flewelling H. 2018. Distribution of shape elongations of main belt asteroids derived from Pan-STARRS1 photometry. Astronomy and Astrophysics. 611. https://doi.org/10.1051/0004-6361/201731554

Bambach P, Deller J, Martel J, Vilenius E, Goldberg H, Sorsa L-I, Pursiainen S, Takala M, Wurster A, Braun HM, Lentz H, Jutzi M, Wittig M, Chitu CC, Ritter B, Karatekin O. 2018. What's inside a rubble pile asteroid? DiSCUS - A tomographic twin radar Cubesat to find out. In 69th International Astronautical Congress, IAC 2018. (Proceedings of the International Astronautical Congress, IAC).

Viikinkoski M, Hanuš J, Kaasalainen M, Marchis F, Ďurech J. 2017. Adaptive optics and lightcurve data of asteroids: Twenty shape models and information content analysis. Astronomy and Astrophysics. 607. https://doi.org/10.1051/0004-6361/201731456

Marsset M, Carry B, Dumas C, Hanuš J, Viikinkoski M, Vernazza P, Müller TG, Delbo M, Jehin E, Gillon M, Grice J, Yang B, Fusco T, Berthier J, Sonnett S, Kugel F, Caron J, Behrend R. 2017. 3D shape of asteroid (6) Hebe from VLT/SPHERE imaging: Implications for the origin of ordinary H chondrites. Astronomy and Astrophysics. 604.

https://doi.org/10.1051/0004-6361/201731021

Li H, Sudusinghe K, Liu Y, Yoon J, Der Schaar MV, Blasch E, Bhattacharyya SS. 2017. Dynamic, data-driven processing of multispectral video streams. IEEE Aerospace and Electronic Systems Magazine. 32(7):50-57. https://doi.org/10.1109/MAES.2017.160132

Nortunen H, Kaasalainen M, Ďurech J, Cibulková H, Ali-Lagoa V, Hanuš J. 2017. Shape and spin distributions of asteroid populations from brightness variation estimates and large databases. Astronomy and Astrophysics. 601. https://doi.org/10.1051/0004-6361/201629850

Hanuš J, Viikinkoski M, Marchis F, Durech J, Kaasalainen M, Delbo M, Herald D, Frappa E, Hayamizu T, Kerr S, Preston S, Timerson B, Dunham D, Talbot J. 2017. Volumes and bulk densities of forty asteroids from ADAM shape modeling. Astronomy and Astrophysics. 601. https://doi.org/10.1051/0004-6361/201629956

Hanuš J, Marchis F, Viikinkoski M, Yang B, Kaasalainen M. 2017. Shape model of asteroid (130) Elektra from optical photometry and disk-resolved images from VLT/SPHERE and Nirc2/Keck. Astronomy and Astrophysics. 599. https://doi.org/10.1051/0004-6361/201629592

Shepard MK, Richardson J, Taylor PA, Rodriguez-Ford LA, Conrad A, de Pater I, Adamkovics M, de Kleer K, Males JR, Morzinski KM, Close LM, Kaasalainen M, Viikinkoski M, Timerson B, Reddy V, Magri C, Nolan MC, Howell ES, Benner LAM, Giorgini JD, Warner BD, Harris AW. 2016. Radar observations and shape model of asteroid 16 Psyche. Icarus. 281:388-403. https://doi.org/10.1016/j.icarus.2016.08.011

Viikinkoski M, Kaasalainen M, Durech J, Carry B, Marsset M, Fusco T, Dumas C, Merline WJ, Yang B, Berthier J, Kervella P, Vernazza P. 2015. VLT/SPHERE- and ALMA-based shape reconstruction of asteroid (3) Juno. Astronomy and Astrophysics. 581. https://doi.org/10.1051/0004-6361/201526626

Viikinkoski M, Kaasalainen M, Durech J. 2015. ADAM: A general method for using various data types in asteroid reconstruction. Astronomy and Astrophysics. 576. https://doi.org/10.1051/0004-6361/201425259

Balasis G, Daglis IA, Papadimitriou C, Kalimeri M, Anastasiadis A, Eftaxias K. 2009. Investigating dynamical complexity in the magnetosphere using various entropy measures. JOURNAL OF GEOPHYSICAL RESEARCH: SPACE PHYSICS. 114(6). https://doi.org/10.1029/2008JA014035