## **SCIENTIFIC PAPERS IN THE OPEN ASTRONOMICAL LITERATURE**

The table provided in sec. 6.4.1 below presents the complete collection of the science articles related to Gaia, in the sense of the activities covered by this ASI contract, sent to astronomical or physical journals.

### **­Publications in astronomical journals**

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| --- | --- | --- | --- |
| **Authors and Title** | **Document Code** | **Date**  | **Status** |
| Buzzoni, ALTAVILLA, GALLETI, Optical tracking of deep-space spacecraft in Halo L2 orbits and beyond: The Gaia mission as a pilot case |  AdSpR, 57 (1515), 13PGS | Jan 5 | ***Issued*** |
|  |  |  |  |
| Muraveva, Palmer, CLEMENTINI, ….., MARCONI, RIPEPI et al., **New Near-infrared Period-Luminosity-Metallicity Relations for RR Lyrae Stars and the Outlook for Gaia** | ApJ, 807(2), article id. A127, 17 pgs | Jul 2015 | ***Issued*** |
| CROSTA, VECCHIATO, DE FELICE, LATTANZI, **The Ray Tracing Analytical Solution within the RAMOD framework. The case of a Gaia-like observer** | Class. Quantum Grav., **32**(16), article id. 165008, 29 pgs | Jul | ***Issued*** |
| Mancini, ....., LANZA, ….., SOZZETTI, ….., PAGANO et al.,  **The GAPS programme with HARPS-N at TNG. VIII. Observations of the Rossiter-McLaughlin effect and characterisation of the transiting planetary systems HAT-P-36 and WASP-11/HAT-P-10** | A&A, **579**, article id. A136, 15 pgs | Jul | ***Issued*** |
| ALTAVILLA, ….., PANCINO, GALLETI, RAGAINI, BELLAZZINI, COCOZZA, BRAGAGLIA et al., **The Gaia spectrophotometric standard stars survey: II. Instrumental effects of six ground-based observing campaigns** | AN, 336(6), 515-529 | Aug | ***Issued*** |
| Maggio, ….., SOZZETTI et al., **Coordinated X-ray and Optical observations of Star-Planet Interaction in HD 17156** | A&A, **584**, article id. A72 | Sep | ***Issued*** |
| Damasso, ....., SOZZETTI, ….., LANZA, ….., PAGANO et al.,  **The GAPS programme with HARPS-N at TNG. IX. The multi-planet system KELT-6: Detection of the planet KELT-6c and measurement of the Rossiter-McLaughlin effect for KELT-6b** | A&A, **581**, article id. L6, 6 pgs | Sep | ***Issued*** |
| Biazzo, ....., SOZZETTI, ….., LANZA, ….., PAGANO et al., **The GAPS Programme with HARPS-N at TNG. X. Differential abundances in the XO-2 planet hosting binary** | A&A, **583**,article id. A135, 9 pgs | Nov | ***Issued*** |
| Qi, ….., BUCCIARELLI, LATTANZI, SMART, SPAGNA, ….., MORBIDELLI, ….., VECCHIATO, et al., **Absolute Proper motions Outside the Plane (APOP). A step towards the GSC2.4** | AJ, **150**(4), article id. 137, 12 pgs | Oct | ***Issued*** |
| Re Fiorentin, LATTANZI, SPAGNA et al., **New Signatures of the Milky Way Formation in the Local Halo and Inner Halo Streamers in the Era of *Gaia*** | AJ, **150**(4), article id. 128, 14 pg | Oct | ***Issued*** |
| CELLINO et al., **Inversion of sparse photometric data of asteroids using triaxial ellipsoid shape models and a Lommel-Seeliger scattering law** | Planet. Space Sci. | Oct | ***In Press*** |
| Motalebi, ….., SOZZETTI et al., **The HARPS-N Rocky Planet Search I. HD219134b: a transiting rocky planet in a multi-planet system at 6.5 pc from the Sun** | A&A, **584**,article id. A72 | Dec | ***Issued*** |
| Mancini, ….., SOZZETTI et al., **Rotation periods and astrometric motions of the Luhman 16AB brown dwarfs by high-resolution** **lucky-imaging monitoring** | A&A, **584**,article id. A104 | Dec | ***Issued*** |
| PORETTI, ….., SOZZETTI et al., **Global Architecture of Planetary Systems (GAPS), a project for the whole Italian Community** | Mem. S.A.It. | Dec | ***In Press*** |