Agnes Fienga

List of Publications by Year
in descending order

40 papers	12,993 citations	257101 24 h-index	301761 39 g-index
40 all docs	40 docs citations	40 times ranked	9932 citing authors

#	Article	IF	Citations
1	The<i>Gaia</i>mission. Astronomy and Astrophysics, 2016, 595, A1.	2.1	4,509
2	<i>Gaia</i>Early Data Release 3. Astronomy and Astrophysics, 2021, 649, A1.	2.1	2,429
3	<i>Gaia</i>Data Release 1. Astronomy and Astrophysics, 2016, 595, A2.	2.1	1,590
4	<i>Gaia</i> Data Release 2. Astronomy and Astrophysics, 2018, 616, A2.	2.1	1,576
5	<i>Gaia</i>Early Data Release 3. Astronomy and Astrophysics, 2021, 649, A2.	2.1	647
6	<i>Gaia</i>Data Release 1. Astronomy and Astrophysics, 2016, 595, A4.	2.1	536
7	The INPOP10a planetary ephemeris and its applications in fundamental physics. Celestial Mechanics and Dynamical Astronomy, 2011, 111, 363-385.	0.5	216
8	<i>Gaia</i> Early Data Release 3. Astronomy and Astrophysics, 2021, 649, A6.	2.1	175
9	INPOP06: a new numerical planetary ephemeris. Astronomy and Astrophysics, 2008, 477, 315-327.	2.1	130
10	INPOP08, a 4-D planetary ephemeris: from asteroid and time-scale computations to ESA Mars Express and Venus Express contributions. Astronomy and Astrophysics, 2009, 507, 1675-1686.	2.1	119
11	Use of MESSENGER radioscience data to improve planetary ephemeris and to test general relativity. Astronomy and Astrophysics, 2014, 561, A115.	2.1	102
12	Numerical estimation of the sensitivity of INPOP planetary ephemerides to general relativity parameters. Celestial Mechanics and Dynamical Astronomy, 2015, 123, 325-349.	0.5	95
13	<i>Gaia</i>Data Release 1. Astronomy and Astrophysics, 2016, 595, A3.	2.1	85
14	<i>Gaia</i> Data Release 1. Astronomy and Astrophysics, 2017, 605, A79.	2.1	78
15	<i>Gaia</i> Data Release 1. Astronomy and Astrophysics, 2017, 601, A19.	2.1	77
16	The new lunar ephemeris INPOP17a and its application to fundamental physics. Monthly Notices of the Royal Astronomical Society, 2018, 476, 1877-1888.	1.6	63
17	<i>Gaia</i>Early Data Release 3. Astronomy and Astrophysics, 2021, 649, A8.	2.1	60
18	Constraints on the location of a possible 9th planet derived from the<i>Cassini</i>data. Astronomy and Astrophysics, 2016, 587, L8.	2.1	56

#	Article	IF	Citations
19	<i>Gaia</i>Early Data Release 3. Astronomy and Astrophysics, 2021, 649, A9.	2.1	55
20	Lunar laser ranging in infrared at the Grasse laser station. Astronomy and Astrophysics, 2017, 602, A90.	2.1	45
21	Accuracy limit of modern ephemerides imposed by the uncertainties in asteroid masses. Astronomy and Astrophysics, 2002, 384, 322-328.	2.1	35
22	Gravity tests with INPOP planetary ephemerides. Proceedings of the International Astronomical Union, 2009, 5, 159-169.	0.0	31
23	Observational Constraint on the Radius and Oblateness of the Lunar Coreâ€Mantle Boundary. Geophysical Research Letters, 2019, 46, 7295-7303.	1.5	31
24	Gravity, Geodesy and Fundamental Physics with BepiColomboâ€™s MORE Investigation. Space Science Reviews, 2021, 217, 1.	3.7	28
25	Homogeneous internal structure of CM-like asteroid (41) Daphne. Astronomy and Astrophysics, 2019, 623, A132.	2.1	25
26	Asteroid masses obtained with INPOP planetary ephemerides. Monthly Notices of the Royal Astronomical Society, 2020, 492, 589-602.	1.6	25
27	Determination of asteroid masses from their close encounters with Mars. Planetary and Space Science, 2010, 58, 858-863.	0.9	23
28	Constraining the Mass of the Graviton with the Planetary Ephemeris INPOP. Physical Review Letters, 2019, 123, 161103.	2.9	23
29	A ring as a model of the main belt in planetary ephemerides. Astronomy and Astrophysics, 2010, 514, A96.	2.1	22
30	New constraints on the location of P9 obtained with the INPOP19a planetary ephemeris. Astronomy and Astrophysics, 2020, 640, A6.	2.1	22
31	IMEM2: a meteoroid environment model for the inner solar system. Astronomy and Astrophysics, 2019, 628, A109.	2.1	18
32	Exogenous origin of hydration on asteroid (16) Psyche: the role of hydrated asteroid families. Monthly Notices of the Royal Astronomical Society, 2018, 475, 3419-3428.	1.6	17
33	Analysis of <i>Cassini</i> radio tracking data for the construction of INPOP19a: A new estimate of the Kuiper belt mass. Astronomy and Astrophysics, 2020, 640, A7.	2.1	16
34	Constraint on the Yukawa suppression of the Newtonian potential from the planetary ephemeris INPOP19a. Physical Review D, 2020, 102, .	1.6	15
35	Constraining massless dilaton theory at Solar system scales with the planetary ephemeris INPOP. Physical Review D, 2022, 105, .	1.6	5
36	Tests of GR with INPOP15a planetary ephemerides: Estimations of possible supplementary advances of perihelia for Mercury and Saturn. , 2017, , .		4

#	Article	IF	Citations
37	Gaia-DR2 asteroid observations and INPOP planetary ephemerides. Celestial Mechanics and Dynamical Astronomy, 2022, 134, .	0.5	4
38	Satellite and lunar laser ranging in infrared. Proceedings of SPIE, 2017, , .	0.8	2
39	A ring model of the main asteroid belt for planetary ephemerides. Icarus, 2022, 376, 114845.	1.1	2
40	Evolution of INPOP planetary ephemerides and Bepi-Colombo simulations. Proceedings of the International Astronomical Union, 2021, 15, 31-51.	0.0	2