

# Alex Konopliv

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1758148/publications.pdf>

Version: 2024-02-01

22  
papers

3,329  
citations

394421

19  
h-index

713466

21  
g-index

22  
all docs

22  
docs citations

22  
times ranked

2033  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Crust of the Moon as Seen by GRAIL. <i>Science</i> , 2013, 339, 671-675.	12.6	726
2	Gravity Field of the Moon from the Gravity Recovery and Interior Laboratory (GRAIL) Mission. <i>Science</i> , 2013, 339, 668-671.	12.6	389
3	Recent Gravity Models as a Result of the Lunar Prospector Mission. <i>Icarus</i> , 2001, 150, 1-18.	2.5	321
4	Mars high resolution gravity fields from MRO, Mars seasonal gravity, and other dynamical parameters. <i>Icarus</i> , 2011, 211, 401-428.	2.5	308
5	A global solution for the Mars static and seasonal gravity, Mars orientation, Phobos and Deimos masses, and Mars ephemeris. <i>Icarus</i> , 2006, 182, 23-50.	2.5	260
6	Ancient Igneous Intrusions and Early Expansion of the Moon Revealed by GRAIL Gravity Gradiometry. <i>Science</i> , 2013, 339, 675-678.	12.6	177
7	Lunar impact basins revealed by Gravity Recovery and Interior Laboratory measurements. <i>Science Advances</i> , 2015, 1, e1500852.	10.3	173
8	The JPL lunar gravity field to spherical harmonic degree 660 from the GRAIL Primary Mission. <i>Journal of Geophysical Research E: Planets</i> , 2013, 118, 1415-1434.	3.6	143
9	An improved JPL Mars gravity field and orientation from Mars orbiter and lander tracking data. <i>Icarus</i> , 2016, 274, 253-260.	2.5	134
10	Precession of Mercury's Perihelion from Ranging to the MESSENGER Spacecraft. <i>Astronomical Journal</i> , 2017, 153, 121.	4.7	134
11	The Gravity Field of Mars: Results from Mars Global Surveyor. <i>Science</i> , 1999, 286, 94-97.	12.6	127
12	Gravity field of Mars: A 75th Degree and Order Model. <i>Journal of Geophysical Research</i> , 2001, 106, 23377-23401.	3.3	103
13	A Global Solution for the Gravity Field, Rotation, Landmarks, and Ephemeris of Eros. <i>Icarus</i> , 2002, 160, 289-299.	2.5	75
14	Origin, Internal Structure and Evolution of 4 Vesta. <i>Space Science Reviews</i> , 2011, 163, 77-93.	8.1	54
15	New constraints on Mars rotation determined from radiometric tracking of the Opportunity Mars Exploration Rover. <i>Icarus</i> , 2014, 229, 340-347.	2.5	41
16	Mars Reconnaissance Orbiter Radio Science Gravity Investigation. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	39
17	Gravity field of the Orientale basin from the Gravity Recovery and Interior Laboratory Mission. <i>Science</i> , 2016, 354, 438-441.	12.6	38
18	Detection of the Chandler Wobble of Mars From Orbiting Spacecraft. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL090568.	4.0	37

#	ARTICLE	IF	CITATIONS
19	Gravity, Geodesy and Fundamental Physics with BepiColombo's MORE Investigation. Space Science Reviews, 2021, 217, 1.	8.1	28
20	VERY LONG BASELINE ARRAY ASTROMETRIC OBSERVATIONS OF MARS ORBITERS. Astronomical Journal, 2015, 150, 121.	4.7	11
21	A high resolution Mars surface gravity grid. Planetary and Space Science, 2018, 160, 84-106.	1.7	11
22	Origin, Internal Structure and Evolution of 4 Vesta. , 2011, , 77-93.		0