Shantanu P Naidu

List of Publications by Year
in descending order

28 papers	868 citations	567281 15 h-index	526287 27 g-index
28 all docs	28 docs citations	28 times ranked	951 citing authors

#	Article	IF	Citations
1	Radar and Lightcurve Observations and a Physical Model of Potentially Hazardous Asteroid 1981 Midas. Planetary Science Journal, 2022, 3, 35.	3.6	4
2	Apophis Planetary Defense Campaign. Planetary Science Journal, 2022, 3, 123.	3.6	4
3	Bistatic radar observations of near-earth asteroid (163899) 2003 SD220 from the southern hemisphere. Icarus, 2021, 357, 114250.	2.5	1
4	Precovery Observations Confirm the Capture Time of Asteroid 2020 CD3 as Earth's Minimoon. Astrophysical Journal Letters, 2021, 913, L6.	8.3	6
5	The Double Asteroid Redirection Test (DART): Planetary Defense Investigations and Requirements. Planetary Science Journal, 2021, 2, 173.	3.6	110
6	Radar observations and a physical model of binary near-Earth asteroid 65803 Didymos, target of the DART mission. Icarus, 2020, 348, 113777.	2.5	106
7	Arecibo Radar Astrometry of the Galilean Satellites from 1999 to 2016. Astronomical Journal, 2020, 159, 149.	4.7	5
8	Establishing Earth's Minimoon Population through Characterization of Asteroid 2020 CD$_3$. Astronomical Journal, 2020, 160, 277.	4.7	16
9	Recoverability of Known Near-Earth Asteroids. Astronomical Journal, 2020, 160, 250.	4.7	2
10	Goldstone Radar Observations of Horseshoe-orbiting Near-Earth Asteroid 2013 BS45, a Potential Mission Target. Astronomical Journal, 2019, 157, 24.	4.7	1
11	Near-Earth asteroid 2012 TC4 observing campaign: Results from a global planetary defense exercise. Icarus, 2019, 326, 133-150.	2.5	14
12	Assessing possible mutual orbit period change by shape deformation of Didymos after a kinetic impact in the NASA-led Double Asteroid Redirection Test. Advances in Space Research, 2019, 63, 2515-2534.	2.6	21
13	Search for OH 18 cm Radio Emission from 1I/2017 U1 with the Green Bank Telescope. Astronomical Journal, 2018, 155, 185.	4.7	11
14	Asteroid 1566 Icarus'sÂSize, Shape, Orbit, and Yarkovsky Drift from Radar Observations. Astronomical Journal, 2017, 153, 108.	4.7	18
15	Creep stability of the proposed AIDA mission target 65803 Didymos: I. Discrete cohesionless granular physics model. Icarus, 2017, 294, 98-123.	2.5	74
16	FIRE - Flyby of Io with Repeat Encounters: A conceptual design for a New Frontiers mission to Io. Advances in Space Research, 2017, 60, 1080-1100.	2.6	1
17	Numerical investigation of the dynamical environment of 65803 Didymos. Advances in Space Research, 2017, 59, 1304-1320.	2.6	33
18	Constraints on the perturbed mutual motion in Didymos due to impact-induced deformation of its primary after the DART impact. Monthly Notices of the Royal Astronomical Society, 2017, 472, 1641-1648.	4.4	16

#	ARTICLE	IF	CITATIONS
19	Ejecta cloud from the AIDA space project kinetic impact on the secondary of a binary asteroid: I. mechanical environment and dynamical model. Icarus, 2017, 282, 313-325.	2.5	37
20	Science case for the Asteroid Impact Mission (AIM): A component of the Asteroid Impact & Deflection Assessment (AIDA) mission. Advances in Space Research, 2016, 57, 2529-2547.	2.6	95
21	CAPABILITIES OF EARTH-BASED RADAR FACILITIES FOR NEAR-EARTH ASTEROID OBSERVATIONS. Astronomical Journal, 2016, 152, 99.	4.7	23
22	Fission and reconfiguration of bilobate comets as revealed by 67P/Churyumovâ€"Gerasimenko. Nature, 2016, 534, 352-355.	27.8	68
23	Binary asteroid population. 3. Secondary rotations and elongations. Icarus, 2016, 267, 267-295.	2.5	76
24	Spin-orbit coupling in binary asteroids. Proceedings of the International Astronomical Union, 2015, 10, 66-68.	0.0	0
25	NEAR-EARTH ASTEROID SATELLITE SPINS UNDER SPINâ€"ORBIT COUPLING. Astronomical Journal, 2015, 149, 80.	4.7	41
26	RADAR IMAGING AND CHARACTERIZATION OF THE BINARY NEAR-EARTH ASTEROID (185851) 2000 DP107. Astronomical Journal, 2015, 150, 54.	4.7	38
27	Radar imaging and physical characterization of near-Earth Asteroid (162421) 2000 ET70. Icarus, 2013, 226, 323-335.	2.5	15
28	Constraints on Mercuryâ€™s Na exosphere: Combined MESSENGER and ground-based data. Icarus, 2011, 211, 21-36.	2.5	32