Josef Hanus

List of Publications by Year
in descending order

60	1,586	279798	330143
papers	citations	23 h-index	37 g-index

66	66	66	997
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Observed tidal evolution of Kleopatraâ€™s outer satellite. Astronomy and Astrophysics, 2022, 657, A76.	5.1	8
2	The Appearance of a â€œFreshâ€•Surface on 596 Scheila as a Consequence of the 2010 Impact Event. Astrophysical Journal Letters, 2022, 924, L9.	8.3	7
3	Thermal Properties of 1847 WISE-observed Asteroids. Planetary Science Journal, 2022, 3, 56.	3.6	9
4	Evidence for differentiation of the most primitive small bodies. Astronomy and Astrophysics, 2021, 650, A129.	5.1	17
5	Time-series and Phase-curve Photometry of the Episodically Active Asteroid (6478) Gault in a Quiescent State Using APO, GROWTH, P200, and ZTF. Astrophysical Journal Letters, 2021, 911, L35.	8.3	10
6	(208) Lacrimosa: A case that missed the Slivan state?. Astronomy and Astrophysics, 2021, 649, A45.	5.1	1
7	V-band photometry of asteroids from ASAS-SN. Astronomy and Astrophysics, 2021, 654, A48.	5.1	9
8	An advanced multipole model for (216) Kleopatra triple system. Astronomy and Astrophysics, 2021, 653, A56.	5.1	12
9	(216) Kleopatra, a low density critically rotating M-type asteroid. Astronomy and Astrophysics, 2021, 653, A57.	5.1	20
10	VLT/SPHERE imaging survey of the largest main-belt asteroids: Final results and synthesis. Astronomy and Astrophysics, 2021, 654, A56.	5.1	50
11	A basin-free spherical shape as an outcome of a giant impact on asteroid Hygiea. Nature Astronomy, 2020, 4, 136-141.	10.1	38
12	Asteroid (16) Psycheâ€™s primordial shape: A possible Jacobi ellipsoid. Astronomy and Astrophysics, 2020, 638, L15.	5.1	25
13	Volume uncertainty of (7)Âİris shape models from disc-resolved images. Monthly Notices of the Royal Astronomical Society, 2020, 499, 4545-4560.	4.4	3
14	The violent collisional history of aqueously evolved (2) Pallas. Nature Astronomy, 2020, 4, 569-576.	10.1	26
15	Asteroid masses obtained with INPOP planetary ephemerides. Monthly Notices of the Royal Astronomical Society, 2020, 492, 589-602.	4.4	25
16	(704) Interamnia: a transitional object between a dwarf planet and a typical irregular-shaped minor body. Astronomy and Astrophysics, 2020, 633, A65.	5.1	14
17	Near-infrared observations of active asteroid (3200) Phaethon reveal no evidence for hydration. Nature Communications, 2020, 11, 2050.	12.8	21
18	Binary asteroid (31) Euphrosyne: ice-rich and nearly spherical. Astronomy and Astrophysics, 2020, 641, A80.	5.1	16

#	Article	IF	Citations
19	Physical and dynamical characterization of the Euphrosyne asteroid family. Astronomy and Astrophysics, 2020, 643, A38.	5.1	6
20	Homogeneous internal structure of CM-like asteroid (41) Daphne. Astronomy and Astrophysics, 2019, 623, A132.	5.1	25
21	Asteroid pairs: A complex picture. Icarus, 2019, 333, 429-463.	2.5	47
22	The shape of (7) Iris as evidence of an ancient large impact?. Astronomy and Astrophysics, 2019, 624, A121.	5.1	12
23	Closing the gap between Earth-based and interplanetary mission observations: Vesta seen by VLT/SPHERE. Astronomy and Astrophysics, 2019, 623, A6.	5.1	20
24	Inversion of asteroid photometry from Gaia DR2 and the Lowell Observatory photometric database. Astronomy and Astrophysics, 2019, 631, A2.	5.1	16
25	Thermophysical modeling of main-belt asteroids from WISE thermal data. Icarus, 2018, 309, 297-337.	2.5	40
26	Asteroid (16) Psyche: Evidence for a silicate regolith from spitzer space telescope spectroscopy. Icarus, 2018, 304, 58-73.	2.5	34
27	Shape models of asteroids based on lightcurve observations with BlueEye600 robotic observatory. Icarus, 2018, 304, 101-109.	2.5	17
28	Spin states of asteroids in the Eos collisional family. Icarus, 2018, 299, 84-96.	2.5	27
29	(3200) Phaethon: Bulk density from Yarkovsky drift detection. Astronomy and Astrophysics, 2018, 620, L8.	5.1	41
30	(16) Psyche: A mesosiderite-like asteroid?. Astronomy and Astrophysics, 2018, 619, L3.	5.1	46
31	Reconstruction of asteroid spin states from Gaia DR2 photometry. Astronomy and Astrophysics, 2018, 620, A91.	5.1	12
32	Rotationally Resolved Spectroscopic Characterization of Near-Earth Object (3200) Phaethon. Astronomical Journal, 2018, 156, 287.	4.7	23
33	Asteroid models reconstructed from the Lowell Photometric Database and WISE data. Astronomy and Astrophysics, 2018, 617, A57.	5.1	28
34	The impact crater at the origin of the Julia family detected with VLT/SPHERE?. Astronomy and Astrophysics, 2018, 618, A154.	5.1	29
35	YORP and Yarkovsky effects in asteroids (1685) Toro, (2100) Ra-Shalom, (3103) Eger, and (161989) Cacus. Astronomy and Astrophysics, 2018, 609, A86.	5.1	26
36	Surface Properties Of Asteroids. , 2018, , .		0

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37	Shape model of asteroid (130) Elektra from optical photometry and disk-resolved images from VLT/SPHERE and Nirc2/Keck. Astronomy and Astrophysics, 2017, 599, A36.	5.1	18
38	Shape and spin distributions of asteroid populations from brightness variation estimates and large databases. Astronomy and Astrophysics, 2017, 601, A139.	5.1	5
39	Volumes and bulk densities of forty asteroids from ADAM shape modeling. Astronomy and Astrophysics, 2017, 601, A114.	5.1	67
40	Asteroid shapes and thermal properties from combined optical and mid-infrared photometry inversion. Astronomy and Astrophysics, 2017, 604, A27.	5.1	14
41	3D shape of asteroid (6) Hebe from VLT/SPHERE imaging: Implications for the origin of ordinary H chondrites. Astronomy and Astrophysics, 2017, 604, A64.	5.1	35
42	Adaptive optics and lightcurve data of asteroids: twenty shape models and information content analysis. Astronomy and Astrophysics, 2017, 607, A117.	5.1	25
43	Shape and spin determination of Barbarian asteroids. Astronomy and Astrophysics, 2017, 607, A119.	5.1	5
44	Differences between the Pallas collisional family and similarly sized B-type asteroids. Astronomy and Astrophysics, 2016, 591, A14.	5.1	20
45	New and updated convex shape models of asteroids based on optical data from a large collaboration network. Astronomy and Astrophysics, 2016, 586, A108.	5.1	57
46	Asteroid models from the Lowell photometric database. Astronomy and Astrophysics, 2016, 587, A48.	5.1	45
47	Near-Earth asteroid (3200) Phaethon: Characterization of its orbit, spin state, and thermophysical parameters. Astronomy and Astrophysics, 2016, 592, A34.	5.1	73
48	WISE data and sparse photometry used for shape reconstruction of asteroids. Proceedings of the International Astronomical Union, 2015, 10, 170-176.	0.0	1
49	A method to search for large-scale concavities in asteroid shape models. Monthly Notices of the Royal Astronomical Society, 2015, 453, 2233-2241.	4.4	8
50	The non-convex shape of (234) Barbara, the first Barbarian*. Monthly Notices of the Royal Astronomical Society, 2015, 448, 3382-3390.	4.4	12
51	A new investigation of hydration in the M-type asteroids. Icarus, 2015, 252, 186-198.	2.5	16
52	Thermophysical modeling of asteroids from WISE thermal infrared data â€“ Significance of the shape model and the pole orientation uncertainties. Icarus, 2015, 256, 101-116.	2.5	56
53	Asteroids@homeâ€”A BOINC distributed computing project for asteroid shape reconstruction. Astronomy and Computing, 2015, 13, 80-84.	1.7	11
54	Sizes of main-belt asteroids by combining shape models and Keck adaptive optics observations. Icarus, 2013, 226, 1045-1057.	2.5	51

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55	Asteroidsâ€™ physical models from combined dense and sparse photometry and scaling of the YORP effect by the observed obliquity distribution. Astronomy and Astrophysics, 2013, 551, A67.	5.1	59
56	An anisotropic distribution of spin vectors in asteroid families. Astronomy and Astrophysics, 2013, 559, A134.	5.1	34
57	The potential of sparse photometric data in asteroid shape modeling. Planetary and Space Science, 2012, 73, 75-79.	1.7	7
58	A study of asteroid pole-latitude distribution based on an extended set of shape models derived by the lightcurve inversion method. Astronomy and Astrophysics, 2011, 530, A134.	5.1	114
59	Combining asteroid models derived by lightcurve inversion with asteroidal occultation silhouettes. Icarus, 2011, 214, 652-670.	2.5	92
60	Mechanical Properties of Selfexpandable Stents. Acta Medica (Hradec Kralove), 2004, 47, 301-304.	0.5	0