

Panos A Patsis

List of Publications by Year in descending order

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papers

1,001
citations

516710

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434195

31
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40
all docs

40
docs citations

40
times ranked

429
citing authors

#	ARTICLE	IF	CITATIONS
1	Orbital dynamics of three-dimensional bars - I. The backbone of three-dimensional bars. A fiducial case. Monthly Notices of the Royal Astronomical Society, 2002, 333, 847-860.	4.4	141
2	Orbital dynamics of three-dimensional bars – III. Boxy/peanut edge-on profiles. Monthly Notices of the Royal Astronomical Society, 2002, 337, 578-596.	4.4	125
3	Spiral galaxies observed in the near-infrared K _s band. Astronomy and Astrophysics, 2004, 423, 849-859.	5.1	85
4	Orbital dynamics of three-dimensional bars - II. Investigation of the parameter space. Monthly Notices of the Royal Astronomical Society, 2002, 333, 861-870.	4.4	78
5	The stellar dynamics of spiral arms in barred spiral galaxies. Monthly Notices of the Royal Astronomical Society: Letters, 2006, 369, L56-L60.	3.3	51
6	Orbits in the Bar of NGC 4314. Astrophysical Journal, 1997, 483, 731-744.	4.5	50
7	Orbital dynamics of three-dimensional bars - IV. Boxy isophotes in face-on views. Monthly Notices of the Royal Astronomical Society, 2003, 342, 69-78.	4.4	41
8	The phase space of boxy – peanut and X-shaped bulges in galaxies – I. Properties of non-periodic orbits. Monthly Notices of the Royal Astronomical Society, 2014, 445, 3525-3545.	4.4	35
9	The phase space of boxy – peanut and X-shaped bulges in galaxies – II. The relation between face-on and edge-on boxiness. Monthly Notices of the Royal Astronomical Society, 2014, 445, 3546-3556.	4.4	34
10	Edge-on boxy profiles in non-barred disc galaxies. Monthly Notices of the Royal Astronomical Society, 2002, 335, 1049-1053.	4.4	31
11	THE STRUCTURE OF INVARIANT TORI IN A 3D GALACTIC POTENTIAL. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2011, 21, 467-496.	1.7	30
12	Stellar and gas dynamics of late-type barred-spiral galaxies: NGC 3359, a test case. Monthly Notices of the Royal Astronomical Society, 2009, 394, 142-156.	4.4	24
13	On the 3D dynamics and morphology of inner rings. Monthly Notices of the Royal Astronomical Society, 2003, 346, 1031-1040.	4.4	22
14	NGC 1300 dynamics - III. Orbital analysis – Monthly Notices of the Royal Astronomical Society, 0, 408, 22-39.	4.4	22
15	INSTABILITIES AND STICKINESS IN A 3D ROTATING GALACTIC POTENTIAL. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2013, 23, 1330005.	1.7	22
16	Propeller Orbits in Barred Galaxy Models. Astrophysical Journal, 2005, 624, 693-700.	4.5	20
17	Boxy Orbital Structures in Rotating Bar Models. Astrophysical Journal, 2017, 850, 145.	4.5	19
18	THE STRUCTURE AND EVOLUTION OF CONFINED TORI NEAR A HAMILTONIAN HOPF BIFURCATION. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2011, 21, 2321-2330.	1.7	16

#	ARTICLE	IF	CITATIONS
19	Dynamics of a spinning particle in a linear in spin Hamiltonian approximation. Physical Review D, 2016, 94, .	4.7	16
20	Spiral structure in barred galaxies. Observational constraints to spiral arm formation mechanisms. Monthly Notices of the Royal Astronomical Society, 2019, 482, 5362-5378.	4.4	16
21	Building CX peanut-shaped disk galaxy profiles. Astronomy and Astrophysics, 2018, 612, A114.	5.1	15
22	CHAINS OF ROTATIONAL TORI AND FILAMENTARY STRUCTURES CLOSE TO HIGH MULTIPLICITY PERIODIC ORBITS IN A 3D GALACTIC POTENTIAL. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2011, 21, 2331-2342.	1.7	14
23	The orbital content of bars: the origin of $\tilde{\text{non-x1-tree}}^{\text{TM}}$, bar-supporting orbits. Monthly Notices of the Royal Astronomical Society, 2019, 490, 2740-2759.	4.4	14
24	On the relation between orbital structure and observed bar morphology. Monthly Notices of the Royal Astronomical Society, 2005, 358, 305-315.	4.4	13
25	The backbones of stellar structures in barred-spiral models $\hat{=}$ the concerted action of various dynamical mechanisms on galactic discs. Monthly Notices of the Royal Astronomical Society, 2013, 434, 2922-2939.	4.4	12
26	Structures induced by companions in galactic discs. Monthly Notices of the Royal Astronomical Society, 2016, 463, 2210-2228.	4.4	11
27	THE STRUCTURE OF PHASE SPACE CLOSE TO FIXED POINTS IN A 4D SYMPLECTIC MAP. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2013, 23, 1330023.	1.7	10
28	Morphologies introduced by bistability in barred-spiral galactic potentials. Monthly Notices of the Royal Astronomical Society, 2015, 448, 3081-3092.	4.4	7
29	The flow in the spiral arms of slowly rotating bar-spiral models. Astrophysics and Space Science, 2017, 362, 1.	1.4	7
30	Dynamics of Thick, Open Spirals in PERLAS Potentials $\hat{=}$. Astrophysical Journal, 2019, 871, 79.	4.5	6
31	STRUCTURES OUT OF CHAOS IN BARRED-SPIRAL GALAXIES. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2012, 22, 1230029.	1.7	3
32	Edge-on boxes with X-features as parts of galactic bars. Astronomy and Astrophysics, 2021, 647, A20.	5.1	3
33	Boxy isophotes in face $\hat{=}$ on views of barred galaxies. Symposium - International Astronomical Union, 2004, 220, 273-274.	0.1	2
34	Gas response in chaotic bars. Monthly Notices of the Royal Astronomical Society: Letters, 2010, 409, L94-L98.	3.3	2
35	A taxonomic algorithm for bar-building orbits. Monthly Notices of the Royal Astronomical Society, 2011, , no-no.	4.4	2
36	Orbit evolution in growing stellar bars: bar-supporting orbits at the vertical ILR region. Monthly Notices of the Royal Astronomical Society, 2021, 509, 1995-2012.	4.4	1

#	ARTICLE	IF	CITATIONS
37	Gasflows in Barred Galaxies with Big Orbital Loops”A Comparative Study of Two Hydrocodes. Universe, 2022, 8, 290.	2.5	1
38	Peanuts in barred analytic potentials. Symposium - International Astronomical Union, 2003, 208, 437-438.	0.1	0
39	Formation of inner rings in 3D potentials of barred galaxies. Symposium - International Astronomical Union, 2004, 220, 275-276.	0.1	0
40	The face-on views of X-shaped “œbulges”- boxy features in the central parts of bars. Proceedings of the International Astronomical Union, 2019, 14, 162-165.	0.0	0