

# Panos A Patsis

## List of Publications by Year in descending order

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40  
papers

1,001  
citations

516710

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434195

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40  
docs citations

40  
times ranked

429  
citing authors

#	ARTICLE	IF	CITATIONS
1	Gasflows in Barred Galaxies with Big Orbital Loops—A Comparative Study of Two Hydrocodes. Universe, 2022, 8, 290.	2.5	1
2	Edge-on boxes with X-features as parts of galactic bars. Astronomy and Astrophysics, 2021, 647, A20.	5.1	3
3	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
4	The orbital content of bars: the origin of “non-x1-tree”, bar-supporting orbits. Monthly Notices of the Royal Astronomical Society, 2019, 490, 2740-2759.	4.4	14
5	Dynamics of Thick, Open Spirals in PERLAS Potentials. Astrophysical Journal, 2019, 871, 79.	4.5	6
6	The face-on views of X-shaped “bulges”-boxy features in the central parts of bars. Proceedings of the International Astronomical Union, 2019, 14, 162-165.	0.0	0
7	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
8	Building CX peanut-shaped disk galaxy profiles. Astronomy and Astrophysics, 2018, 612, A114.	5.1	15
9	Boxy Orbital Structures in Rotating Bar Models. Astrophysical Journal, 2017, 850, 145.	4.5	19
10	The flow in the spiral arms of slowly rotating bar-spiral models. Astrophysics and Space Science, 2017, 362, 1.	1.4	7
11	Dynamics of a spinning particle in a linear in spin Hamiltonian approximation. Physical Review D, 2016, 94, .	4.7	16
12	Structures induced by companions in galactic discs. Monthly Notices of the Royal Astronomical Society, 2016, 463, 2210-2228.	4.4	11
13	Morphologies introduced by bistability in barred-spiral galactic potentials. Monthly Notices of the Royal Astronomical Society, 2015, 448, 3081-3092.	4.4	7
14	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
15	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
16	The backbones of stellar structures in barred-spiral models—the concerted action of various dynamical mechanisms on galactic discs. Monthly Notices of the Royal Astronomical Society, 2013, 434, 2922-2939.	4.4	12
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	A taxonomic algorithm for bar-building orbits. Monthly Notices of the Royal Astronomical Society, 2011, , no-no.	4.4	2
21	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
22	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
23	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
24	Gas response in chaotic bars. Monthly Notices of the Royal Astronomical Society: Letters, 2010, 409, L94-L98.	3.3	2
25	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
26	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
27	Propeller Orbits in Barred Galaxy Models. Astrophysical Journal, 2005, 624, 693-700.	4.5	20
28	On the relation between orbital structure and observed bar morphology. Monthly Notices of the Royal Astronomical Society, 2005, 358, 305-315.	4.4	13
29	Boxy isophotes in face-on views of barred galaxies. Symposium - International Astronomical Union, 2004, 220, 273-274.	0.1	2
30	Formation of inner rings in 3D potentials of barred galaxies. Symposium - International Astronomical Union, 2004, 220, 275-276.	0.1	0
31	Spiral galaxies observed in the near-infraredKÅband. Astronomy and Astrophysics, 2004, 423, 849-859.	5.1	85
32	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
33	On the 3D dynamics and morphology of inner rings. Monthly Notices of the Royal Astronomical Society, 2003, 346, 1031-1040.	4.4	22
34	Peanuts in barred analytic potentials. Symposium - International Astronomical Union, 2003, 208, 437-438.	0.1	0
35	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
36	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

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37	Edge-on boxy profiles in non-barred disc galaxies. Monthly Notices of the Royal Astronomical Society, 2002, 335, 1049-1053.	4.4	31
38	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
39	Orbits in the Bar of NGC 4314. Astrophysical Journal, 1997, 483, 731-744.	4.5	50
40	NGC 1300 dynamics - III. Orbital analysis.... Monthly Notices of the Royal Astronomical Society, 0, 408, 22-39.	4.4	22