Duokui Yan

List of Publications by Year
in descending order

21	120	1478505 6	1281871 11
papers	citations	h-index	g-index

22	22	22	27
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Linear stability for some symmetric periodic simultaneous binary collision orbits in the four-body problem. Celestial Mechanics and Dynamical Astronomy, 2010, 108, 147-164.	1.4	21
2	Existence and linear stability of the rhomboidal periodic orbit in the planar equal mass four-body problem. Journal of Mathematical Analysis and Applications, 2012, 388, 942-951.	1.0	17
3	Periodic solutions with alternating singularities in the collinear four-body problem. Celestial Mechanics and Dynamical Astronomy, 2011, 109, 229-239.	1.4	16
4	Existence and stability of symmetric periodic simultaneous binary collision orbits in the planar pairwise symmetric four-body problem. Celestial Mechanics and Dynamical Astronomy, 2011, 110, 271-290.	1.4	15
5	Existence of the Broucke periodic orbit and its linear stability. Journal of Mathematical Analysis and Applications, 2012, 389, 656-664.	1.0	8
6	Periodic solutions with singularities in two dimensions in the n-body problem. Rocky Mountain Journal of Mathematics, 2012, 42, .	0.4	7
7	New Phenomena in the Spatial Isosceles Three-Body Problem. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2015, 25, 1550116.	1.7	6
8	New periodic orbits in the planar equal-mass five-body problem. Communications in Nonlinear Science and Numerical Simulation, 2017, 48, 425-438.	3.3	6
9	New Phenomena in the Spatial Isosceles Three-Body Problem with Unequal Masses. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2015, 25, 1550169.	1.7	5
10	The Brouckeâ€“HÃ©non orbit and the Schubart orbit in the planar three-body problem with two equal masses. Nonlinearity, 2019, 32, 4639-4664.	1.4	4
11	Multiple Periodic Orbits Connecting a Collinear Configuration and a Double Isosceles Configuration in the Planar Equal-Mass Four-Body Problem. Advanced Nonlinear Studies, 2017, 17, 819-835.	1.7	4
12	A simple existence proof of Schubart periodic orbit with arbitrary masses. Frontiers of Mathematics in China, 2012, 7, 145-160.	0.7	2
13	Existence of Prograde Double-Double Orbits in the Equal-Mass Four-Body Problem. Advanced Nonlinear Studies, 2018, 18, 819-843.	1.7	2
14	Linear stability of the criss-cross orbit in the equal-mass three-body problem. Discrete and Continuous Dynamical Systems, 2016, 36, 5971-5991.	0.9	2
15	Linear stability of doubleâ€“double orbits in the parallelogram four-body problem. Journal of Mathematical Analysis and Applications, 2016, 433, 785-802.	1.0	1
16	New periodic orbits in the planar equal-mass three-body problem. Discrete and Continuous Dynamical Systems, 2018, 38, 2187-2206.	0.9	1
17	Action minimizers under topological constraints in the planar equal-mass four-body problem. Journal of Differential Equations, 2018, 264, 4764-4805.	2.2	0
18	A Symmetric Spatial Periodic Orbit in the 2n-Body Problem. Journal of Dynamics and Differential Equations, 2020, , 1.	1.9	0

#	Article	IF	Citations
19	Exclusion of quadruple collisions in minimizers of the planar equal-mass N-body problem. Journal of Differential Equations, 2021, 287, 113-147.	2.2	0
20	Variational properties and linear stabilities of spatial isosceles orbits in the equal-mass three-body problem. Discrete and Continuous Dynamical Systems, 2017, 37, 3989-4018.	0.9	0
21	Geometric properties of minimizers in the planar three-body problem with two equal masses. Calculus of Variations and Partial Differential Equations, 2022, 61, 1.	1.7	0