

MD SANAM SURAJ

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

676
citations

471509

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610901

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52
all docs

52
docs citations

52
times ranked

119
citing authors

#	ARTICLE	IF	CITATIONS
1	Basins of attraction of equilibrium points in the planar circular restricted five-body problem. <i>Astrophysics and Space Science</i> , 2018, 363, 1.	1.4	41
2	The analysis of restricted five-body problem within frame of variable mass. <i>New Astronomy</i> , 2019, 70, 12-21.	1.8	39
3	On the restricted four-body problem with the effect of small perturbations in the Coriolis and centrifugal forces. <i>Astrophysics and Space Science</i> , 2017, 362, 1.	1.4	38
4	On the photogravitational R4BP when the third primary is a triaxial rigid body. <i>Astrophysics and Space Science</i> , 2016, 361, 1.	1.4	34
5	Stability of libration points in the restricted four-body problem with variable mass. <i>Astrophysics and Space Science</i> , 2016, 361, 1.	1.4	33
6	Fractal basins of attraction in the restricted four-body problem when the primaries are triaxial rigid bodies. <i>Astrophysics and Space Science</i> , 2017, 362, 1.	1.4	33
7	Sitnikov restricted four-body problem with radiation pressure. <i>Astrophysics and Space Science</i> , 2014, 349, 705-716.	1.4	32
8	Exploring the fractal basins of convergence in the restricted four-body problem with oblateness. <i>International Journal of Non-Linear Mechanics</i> , 2018, 102, 62-71.	2.6	25
9	Fractal basins of convergence of libration points in the planar Copenhagen problem with a repulsive quasi-homogeneous Manev-type potential. <i>International Journal of Non-Linear Mechanics</i> , 2018, 103, 113-127.	2.6	24
10	On the photogravitational R4BP when the third primary is an oblate/prolate spheroid. <i>Astrophysics and Space Science</i> , 2015, 360, 1.	1.4	23
11	On the fractal basins of convergence of the libration points in the axisymmetric five-body problem: The convex configuration. <i>International Journal of Non-Linear Mechanics</i> , 2019, 109, 80-106.	2.6	22
12	On the R4BP when third primary is an oblate spheroid. <i>Astrophysics and Space Science</i> , 2015, 357, 1.	1.4	21
13	On the Newton-Raphson basins of convergence associated with the libration points in the axisymmetric restricted five-body problem: The concave configuration. <i>International Journal of Non-Linear Mechanics</i> , 2019, 112, 25-47.	2.6	21
14	On the photo-gravitational restricted four-body problem with variable mass. <i>Astrophysics and Space Science</i> , 2018, 363, 1.	1.4	20
15	Out-of-plane equilibrium points and regions of motion in the photogravitational R3BP when the primaries are heterogeneous spheroid with three layers. <i>New Astronomy</i> , 2018, 63, 15-26.	1.8	19
16	The Photo-Gravitational R3BP when the Primaries are Heterogeneous Spheroid with Three Layers. <i>Journal of the Astronautical Sciences</i> , 2014, 61, 133-155.	1.5	17
17	The effect of small perturbations in the Coriolis and centrifugal forces in the axisymmetric restricted five-body problem. <i>Astrophysics and Space Science</i> , 2019, 364, 1.	1.4	17
18	On the spatial collinear restricted four-body problem with non-spherical primaries. <i>Chaos, Solitons and Fractals</i> , 2020, 133, 109609.	5.1	17

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19	The Nonlinear Stability of L ₄ in the R3BP when the Smaller Primary is a Heterogeneous Spheroid. <i>Journal of the Astronautical Sciences</i> , 2017, 64, 18-49.	1.5	15
20	The effect of small perturbations in the Coriolis and centrifugal forces on the existence of libration points in the restricted four-body problem with variable mass. <i>Astronomische Nachrichten</i> , 2018, 339, 492-512.	1.2	15
21	Investigating the Basins of Convergence in the Circular Sitnikov Three-Body Problem with Non-spherical Primaries. <i>Few-Body Systems</i> , 2018, 59, 1.	1.5	15
22	Basins of Convergence in the Circular Sitnikov Four-Body Problem with Nonspherical Primaries. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2018, 28, 1830016.	1.7	14
23	The analysis of periodic orbits generated by Lagrangian solutions of the restricted three-body problem with non-spherical primaries. <i>New Astronomy</i> , 2020, 74, 101287.	1.8	14
24	On the modified circular restricted three-body problem with variable mass. <i>New Astronomy</i> , 2021, 84, 101510.	1.8	14
25	On the R4BP when Third Primary is an Ellipsoid. <i>Journal of the Astronautical Sciences</i> , 2017, 64, 231-250.	1.5	13
26	On the existence of libration points in the spatial collinear restricted four-body problem within frame of repulsive Manev potential and variable mass. <i>Chaos, Solitons and Fractals</i> , 2018, 117, 94-104.	5.1	10
27	Networks of periodic orbits in the circular restricted three-body problem with first order post-Newtonian terms. <i>Meccanica</i> , 2019, 54, 2339-2365.	2.0	9
28	Revealing the Newton-Raphson basins of convergence in the circular pseudo-Newtonian Sitnikov problem. <i>International Journal of Non-Linear Mechanics</i> , 2018, 105, 43-54.	2.6	8
29	Unveiling the basins of convergence in the pseudo-Newtonian planar circular restricted four-body problem. <i>New Astronomy</i> , 2019, 66, 52-67.	1.8	8
30	On the perturbed photogravitational restricted five-body problem: the analysis of fractal basins of convergence. <i>Astrophysics and Space Science</i> , 2019, 364, 1.	1.4	8
31	The effect of radiation pressure on the basins of convergence in the restricted four-body problem. <i>Chaos, Solitons and Fractals</i> , 2020, 141, 110347.	5.1	8
32	Combined effect of small perturbations in the Coriolis and centrifugal forces and three-body interaction on the existence of stationary points in the R3BP. <i>New Astronomy</i> , 2021, 89, 101630.	1.8	8
33	Revealing the existence and stability of equilibrium points in the circular autonomous restricted four-body problem with variable mass. <i>New Astronomy</i> , 2019, 68, 1-9.	1.8	5
34	On the topology of basins of convergence linked to libration points in the modified R3BP with oblateness. <i>New Astronomy</i> , 2022, 94, 101776.	1.8	5
35	Comparing the Geometry of the Basins of Attraction, the Speed and the Efficiency of Several Numerical Methods. <i>International Journal of Applied and Computational Mathematics</i> , 2018, 4, 1.	1.6	4
36	On the basins of convergence in the magnetic binary problem with angular velocity. <i>Computational and Mathematical Methods</i> , 2021, 3, e1161.	0.8	4

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37	Orbit classification in the Copenhagen problem with oblate primaries. <i>Astronomische Nachrichten</i> , 2019, 340, 760-770.	1.2	3
38	On the Convergence Dynamics of the Sitnikov Problem with Non-spherical Primaries. <i>International Journal of Applied and Computational Mathematics</i> , 2019, 5, 1.	1.6	3
39	Determining the Properties of the Basins of Convergence in the Generalized Hénon-Heiles System. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2020, 30, 2050007.	1.7	3
40	The perturbed restricted three-body problem with angular velocity: Analysis of basins of convergence linked to the libration points. <i>International Journal of Non-Linear Mechanics</i> , 2020, 123, 103494.	2.6	3
41	On the beyond-Newtonian collinear circular restricted $(3 + 1)$ -body problem with spinning primaries. <i>Astrophysics and Space Science</i> , 2022, 367, .	1.4	3
42	The study of the fractal basins of convergence linked with equilibrium points in the perturbed $(N + 1)$ -body ring problem. <i>Astronomische Nachrichten</i> , 2020, 341, 741-761.	1.2	2
43	Fractal basins of convergence in the restricted rhomboidal six-body problem. <i>New Astronomy</i> , 2022, 94, 101798.	1.8	2
44	Divulging the effect of small perturbations in the Coriolis and centrifugal forces in the photogravitational version of autonomous restricted four-body problem with oblate primary. <i>Astronomische Nachrichten</i> , 2019, 340, 413-429.	1.2	1
45	The analysis of basins of convergence in the regular polygon problem of $(N+1)$ bodies system with spheroidal primaries. <i>New Astronomy</i> , 2021, 85, 101530.	1.8	1
46	On the Sitnikov-like N -body problem with quasi-homogeneous potential. <i>Computational and Mathematical Methods</i> , 2021, 3, e1180.	0.8	1
47	The study of Newton-Raphson basins of convergence in the three-dipole problem. <i>Nonlinear Dynamics</i> , 2022, 107, 829-854.	5.2	1
48	Effect of oblateness on the existence and location of libration points in R4BP. , 2017, , .		0
49	Analysis of Copenhagen problem with a repulsive quasi-homogeneous Manev-type potential within the frame of variable mass. <i>Astronomische Nachrichten</i> , 2020, 341, 410-423.	1.2	0
50	On the rhomboidal restricted five-body problem: Analysis of the basins of convergence. <i>New Astronomy</i> , 2022, , 101893.	1.8	0