

Michael Soffel

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

878
citations

933447

10
h-index

1125743

13
g-index

14
all docs

14
docs citations

14
times ranked

450
citing authors

#	ARTICLE	IF	CITATIONS
1	General-relativistic celestial mechanics. I. Method and definition of reference systems. Physical Review D, 1991, 43, 3273-3307.	4.7	245
2	General-relativistic celestial mechanics II. Translational equations of motion. Physical Review D, 1992, 45, 1017-1044.	4.7	188
3	General-relativistic celestial mechanics. III. Rotational equations of motion. Physical Review D, 1993, 47, 3124-3135.	4.7	126
4	General-relativistic celestial mechanics. IV. Theory of satellite motion. Physical Review D, 1994, 49, 618-635.	4.7	121
5	Geodesy and relativity. Journal of Geodesy, 2008, 82, 133-145.	3.6	66
6	Relativistic effects in the motion of artificial satellites: The oblateness of the central body II. Celestial Mechanics and Dynamical Astronomy, 1990, 47, 205-217.	1.4	40
7	Gravitomagnetism and lunar laser ranging. Physical Review D, 2008, 78, .	4.7	37
8	Relativistic theory of elastic deformable astronomical bodies: Perturbation equations in rotating spherical coordinates and junction conditions. Physical Review D, 2003, 68, .	4.7	14
9	On the usefulness of relativistic space-times for the description of the Earth's gravitational field. Journal of Geodesy, 2016, 90, 1345-1357.	3.6	14
10	Advanced relativistic VLBI model for geodesy. Journal of Geodesy, 2017, 91, 783-801.	3.6	10
11	General-relativistic perturbation equations for the dynamics of elastic deformable astronomical bodies expanded in terms of generalized spherical harmonics. Physical Review D, 2005, 71, .	4.7	9
12	Relativistic satellite orbits: central body with higher zonal harmonics. Celestial Mechanics and Dynamical Astronomy, 2018, 130, 1.	1.4	6
13	COMMISSION 52: RELATIVITY IN FUNDAMENTAL ASTRONOMY. Proceedings of the International Astronomical Union, 2010, 6, 142-145.	0.0	0