Hideki Asada

List of Publications by Year
in descending order

29 papers	2,109 citations	331670 21 h-index	501196 28 g-index
29 all docs	29 docs citations	29 times ranked	2429 citing authors

#	Article	IF	Citations
1	Performance of the KAGRA detector during the first joint observation with GEOâ€‰600 (O3GK). Progress of Theoretical and Experimental Physics, 2023, 2023, .	6.6	4
2	Gravitational lens on de Sitter background. Physical Review D, 2022, 105, .	4.7	4
3	Nondivergent deflection of light around a photon sphere of a compact object. Physical Review D, 2022, 105, .	4.7	2
4	First joint observation by the underground gravitational-wave detector KAGRA with GEO 600. Progress of Theoretical and Experimental Physics, 2022, 2022, .	6.6	20
5	The Current Status and Future Prospects of KAGRA, the Large-Scale Cryogenic Gravitational Wave Telescope Built in the Kamioka Underground. Galaxies, 2022, 10, 63.	3.0	13
6	Overview of KAGRA: KAGRA science. Progress of Theoretical and Experimental Physics, 2021, 2021, .	6.6	31
7	Iterative solutions for the gravitational lens equation in the strong deflection limit. Physical Review D, 2021, 103, .	4.7	10
8	Constraints on Cosmic Strings Using Data from the Third Advanced LIGOâ€“Virgo Observing Run. Physical Review Letters, 2021, 126, 241102.	7.8	87
9	Gravitational lens without asymptotic flatness: Its application to Weyl gravity. Physical Review D, 2020, 102, .	4.7	23
10	Condition for directly testing scalar modes of gravitational waves by four detectors. Physical Review D, 2020, 101, .	4.7	12
11	Gravitational deflection angle of light: Definition by an observer and its application to an asymptotically nonflat spacetime. Physical Review D, 2020, 101, .	4.7	44
12	Deflection angle of light for an observer and source at finite distance from a rotating global monopole. Physical Review D, 2019, 99, .	4.7	52
13	The Effects of Finite Distance on the Gravitational Deflection Angle of Light. Universe, 2019, 5, 218.	2.5	39
14	Constraining extra gravitational wave polarizations with Advanced LIGO, Advanced Virgo, and KAGRA and upper bounds from GW170817. Physical Review D, 2019, 100, .	4.7	26
15	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. Living Reviews in Relativity, 2018, 21, 3.	26.7	808
16	Probing gravitational wave polarizations with Advanced LIGO, Advanced Virgo, and KAGRA. Physical Review D, 2018, 98, .	4.7	24
17	Deflection angle of light for an observer and source at finite distance from a rotating wormhole. Physical Review D, 2018, 98, .	4.7	70
18	Gravitomagnetic bending angle of light with finite-distance corrections in stationary axisymmetric spacetimes. Physical Review D, 2017, 96, .	4.7	127

#	Article	IF	Citations
19	Finite-distance corrections to the gravitational bending angle of light in the strong deflection limit. Physical Review D, 2017, 95, .	4.7	117
20	Gravitational bending angle of light for finite distance and the Gauss-Bonnet theorem. Physical Review D, 2016, 94, .	4.7	160
21	Gravitational lensing in Tangherlini spacetime in the weak gravitational field and the strong gravitational field. Physical Review D, 2014, 90, .	4.7	37
22	Microlensed image centroid motions by an exotic lens object with negative convergence or negative mass. Physical Review D, 2014, 89, .	4.7	25
23	Negative time delay of light by a gravitational concave lens. Physical Review D, 2014, 90, .	4.7	30
24	Demagnifying gravitational lenses toward hunting a clue of exotic matter and energy. Physical Review D, 2013, 87, .	4.7	48
25	Gravitational lensing shear by an exotic lens object with negative convergence or negative mass. Physical Review D, 2013, 88, .	4.7	51
26	Deflection angle of light in an Ellis wormhole geometry. Physical Review D, 2012, 85, .	4.7	116
27	ASTROMETRIC IMAGE CENTROID DISPLACEMENTS DUE TO GRAVITATIONAL MICROLENSING BY THE ELLIS WORMHOLE. Astrophysical Journal, 2011, 740, 121.	4.5	92
28	Can We See a Rotating Gravitational Lens?. Progress of Theoretical Physics, 2000, 104, 95-102.	2.0	34
29	Gravitational Wave Physics and Astronomy in the nascent era. Progress of Theoretical and Experimental Physics, 0, , .	6.6	3