Hirotaka Takahashi

List of Publications by Year
in descending order

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25 papers	130 citations	1307594 7 h-index	1281871 11 g-index
25 all docs	25 docs citations	25 times ranked	249 citing authors

#	Article	IF	Citations
1	Comparison of various methods to extract ringdown frequency from gravitational wave data. Physical Review D, 2019, 99, .	4.7	32
2	First joint observation by the underground gravitational-wave detector KAGRA with GEO 600. Progress of Theoretical and Experimental Physics, 2022, 2022, .	6.6	20
3	Estimation of starting times of quasinormal modes in ringdown gravitational waves with the Hilbert-Huang transform. Physical Review D, 2017, 96, .	4.7	13
4	Analysis of gravitational waves from binary neutron star merger by Hilbert-Huang transform. Physical Review D, 2016, 93, .	4.7	11
5	ON INVESTIGATING EMD PARAMETERS TO SEARCH FOR GRAVITATIONAL WAVES. Advances in Adaptive Data Analysis, 2013, 05, 1350010.	0.6	10
6	SIRVVD model-based verification of the effect of first and second doses of COVID-19/SARS-CoV-2 vaccination in Japan. Mathematical Biosciences and Engineering, 2021, 19, 1026-1040.	1.9	8
7	Black hole spectroscopy for KAGRA future prospect in O5. Physical Review D, 2020, 102, .	4.7	7
8	Application of the Hilbert-Huang transform for analyzing standing-accretion-shock-instability induced gravitational waves in a core-collapse supernova. Physical Review D, 2021, 104, .	4.7	6
9	A timeâ€“frequency analysis of gravitational wave signals with non-harmonic analysis. Progress of Theoretical and Experimental Physics, 2019, 2019, .	6.6	4
10	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
11	Gravitational Wave Physics and Astronomy in the nascent era. Progress of Theoretical and Experimental Physics, 0, , .	6.6	3
12	Localization of gravitational waves using machine learning. Physical Review D, 2022, 105, .	4.7	3
13	Inattentive Driving Detection Using Body-Worn Sensors: Feasibility Study. Sensors, 2022, 22, 352.	3.8	2
14	SIR model-based verification of effect of COVID-19 Contact-Confirming Application (COCOA) on reducing infectors in Japan. Mathematical Biosciences and Engineering, 2021, 18, 6506-6526.	1.9	2
15	Theoretical Analysis of the SIRVVD Model for Insights Into the Target Rate of COVID-19/SARS-CoV-2 Vaccination in Japan. IEEE Access, 2022, 10, 43044-43054.	4.2	2
16	Comparative study of passive and active learning classes in basic mathematics training for electrical engineering. , 2016, , .		1
17	Toward Personal Authentication Using Gesture Classification with EMG Data. Journal of Japan Society for Fuzzy Theory and Intelligent Informatics, 2021, 33, 549-554.	0.0	1
18	A Prediction Method for Viral Disease Outbreak Using a Multi-Agent Simulation Including Capacity Limitation for Isolation Wards and Stay-at-Home Orders. Journal of Japan Society for Fuzzy Theory and Intelligent Informatics, 2020, 32, 998-1007.	0.0	1

#	Article	IF	Citations
19	Study on relation between level of understanding and difficulty of problem by network visualization of questionnaire for active learning class in basic mathematics training for electrical engineering. , 2017, , .		0
20	Multiagent Simulation Approach to Pedestrian Laminar Flow With Group Walking Models. IEEE Access, 2021, 9, 6907-6920.	4.2	0
21	Effectiveness of the COVID-19 Contact-Confirming Application Incorporating Secondary Indirect Contact Notification Function on Decreasing the Number of Infectors. Journal of Japan Society for Fuzzy Theory and Intelligent Informatics, 2021, 33, 697-710.	0.0	0
22	Toward Extraction of Individual Characteristics from the Inertial Sensors data of Walking Motion by Singular Value Decomposition. Journal of Japan Society for Fuzzy Theory and Intelligent Informatics, 2019, 31, 603-607.	0.0	0
23	Estimation Method of Turn Section During Swimming by Using Ensemble Learning and Single Inertial Sensor. Journal of Japan Society for Fuzzy Theory and Intelligent Informatics, 2019, 31, 597-602.	0.0	0
24	System for Supporting Swimmer by Using Single Inertial Sensor: Development of Prototype and its Evaluation. Journal of Japan Society for Fuzzy Theory and Intelligent Informatics, 2020, 32, 544-549.	0.0	0
25	Driver Activity Recognition Using Wrist-Worn Acceleration Sensors. Journal of Japan Society for Fuzzy Theory and Intelligent Informatics, 2022, 34, 544-549.	0.0	0