Kentaro Somiya

List of Publications by Year
in descending order

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180	15,329	20817 60	17105 122
papers	citations	h-index	g-index

184	184	184	6650
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	First joint observation by the underground gravitational-wave detector KAGRA with GEO 600. Progress of Theoretical and Experimental Physics, 2022, 2022, .	6.6	20
2	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
3	Localization of gravitational waves using machine learning. Physical Review D, 2022, 105, .	4.7	3
4	Prospects for improving the sensitivity of KAGRA gravitational wave detector. , 2022, , .		3
5	Overview of KAGRA: Detector design and construction history. Progress of Theoretical and Experimental Physics, 2021, 2021, .	6.6	198
6	Overview of KAGRA: KAGRA science. Progress of Theoretical and Experimental Physics, 2021, 2021, .	6.6	31
7	Current status of space gravitational wave antenna DECIGO and B-DECIGO. Progress of Theoretical and Experimental Physics, 2021, 2021, .	6.6	150
8	Overview of KAGRA: Calibration, detector characterization, physical environmental monitors, and the geophysics interferometer. Progress of Theoretical and Experimental Physics, 2021, 2021, .	6.6	66
9	Vibration isolation systems for the beam splitter and signal recycling mirrors of the KAGRA gravitational wave detector. Classical and Quantum Gravity, 2021, 38, 065011.	4.0	7
10	Cryogenic suspension design for a kilometer-scale gravitational-wave detector. Classical and Quantum Gravity, 2021, 38, 085013.	4.0	15
11	Radiative Cooling of the Thermally Isolated System in KAGRA Gravitational Wave Telescope. Journal of Physics: Conference Series, 2021, 1857, 012002.	0.4	1
12	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. Living Reviews in Relativity, 2020, 23, 3.	26.7	447
13	Application of independent component analysis to the iKAGRA data. Progress of Theoretical and Experimental Physics, 2020, 2020, .	6.6	7
14	Prospects for improving the sensitivity of the cryogenic gravitational wave detector KAGRA. Physical Review D, 2020, 102, .	4.7	12
15	The status of KAGRA underground cryogenic gravitational wave telescope. Journal of Physics: Conference Series, 2020, 1342, 012014.	0.4	12
16	An arm length stabilization system for KAGRA and future gravitational-wave detectors. Classical and Quantum Gravity, 2020, 37, 035004.	4.0	10
17	Quantum noise reduction techniques in KAGRA. European Physical Journal D, 2020, 74, 1.	1.3	1
18	Space gravitational-wave antennas DECIGO and B-DECIGO. International Journal of Modern Physics D, 2019, 28, 1845001.	2.1	73

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19	First cryogenic test operation of underground km-scale gravitational-wave observatory KAGRA. Classical and Quantum Gravity, 2019, 36, 165008.	4.0	45
20	Design and experimental demonstration of a laser modulation system for future gravitational-wave detectors. Classical and Quantum Gravity, 2019, 36, 205009.	4.0	4
21	Influence of nonuniformity in sapphire substrates for a gravitational wave telescope. Physical Review D, 2019, 100, .	4.7	10
22	Vibration isolation system with a compact damping system for power recycling mirrors of KAGRA. Classical and Quantum Gravity, 2019, 36, 095015.	4.0	9
23	KAGRA: 2.5 generation interferometric gravitational wave detector. Nature Astronomy, 2019, 3, 35-40.	10.1	331
24	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
25	Optical design and suspension system of the KAGRA output mode-cleaner. Journal of Physics: Conference Series, 2018, 957, 012009.	0.4	1
26	Particle swarm optimization of the sensitivity of a cryogenic gravitational wave detector. Physical Review D, 2018, 97, .	4.7	15
27	Construction of KAGRA: an underground gravitational-wave observatory. Progress of Theoretical and Experimental Physics, 2018, 2018, .	6.6	73
28	Direct approach for the fluctuation-dissipation theorem under nonequilibrium steady-state conditions. Physical Review D, 2018, 97, .	4.7	15
29	Measurement of optical losses in a high-finesse 300Âm filter cavity for broadband quantum noise reduction in gravitational-wave detectors. Physical Review D, 2018, 98, .	4.7	13
30	Measurement and subtraction of Schumann resonances at gravitational-wave interferometers. Physical Review D, 2018, 97, .	4.7	50
31	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. , 2018, 21, 1.		2
32	Mirror actuation design for the interferometer control of the KAGRA gravitational wave telescope. Classical and Quantum Gravity, 2017, 34, 225001.	4.0	14
33	The status of DECIGO. Journal of Physics: Conference Series, 2017, 840, 012010.	0.4	148
34	Design study and prototype experiment of the KAGRA output mode-cleaner. Journal of Physics: Conference Series, 2016, 716, 012032.	0.4	4
35	Estimation of losses in a 300Âm filter cavity and quantum noise reduction in the KAGRA gravitational-wave detector. Physical Review D, 2016, 93, .	4.7	24
36	Measurement of Schumann Resonance at Kamioka. Journal of Physics: Conference Series, 2016, 716, 012020.	0.4	8

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37	Parametric signal amplification to create a stiff optical bar. Physics Letters, Section A: General, Atomic and Solid State Physics, 2016, 380, 521-524.	2.1	14
38	Design study of the KAGRA output mode cleaner. Optical Review, 2015, 22, 149-152.	2.0	5
39	UNDERGROUND GRAVITATIONAL WAVE OBSERVATORIES: KAGRA AND ET. , 2015, , .		0
40	Method to reduce excess noise of a detuned cavity for application in KAGRA. Classical and Quantum Gravity, 2014, 31, 095003.	4.0	2
41	Progress and challenges in advanced ground-based gravitational-wave detectors. General Relativity and Gravitation, 2014, 46, 1.	2.0	2
42	Concepts and research for future detectors. General Relativity and Gravitation, 2014, 46, 1.	2.0	2
43	Search for gravitational waves from binary black hole inspiral, merger, and ringdown in LIGO-Virgo data from 2009â€“2010. Physical Review D, 2013, 87, .	4.7	92
44	A first search for coincident gravitational waves and high energy neutrinos using LIGO, Virgo and ANTARES data from 2007. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 008-008.	5.4	32
45	Einstein@Home all-sky search for periodic gravitational waves in LIGO S5 data. Physical Review D, 2013, 87, .	4.7	91
46	Parameter estimation for compact binary coalescence signals with the first generation gravitational-wave detector network. Physical Review D, 2013, 88, .	4.7	132
47	Interferometer design of the KAGRA gravitational wave detector. Physical Review D, 2013, 88, .	4.7	722
48	UNDERGROUND GRAVITATIONAL WAVE OBSERVATORIES: KAGRA AND ET. International Journal of Modern Physics D, 2013, 22, 1330010.	2.1	6
49	Length sensing and control strategies for the LCGT interferometer. Classical and Quantum Gravity, 2012, 29, 124008.	4.0	6
50	Detector configuration of KAGRAâ€“the Japanese cryogenic gravitational-wave detector. Classical and Quantum Gravity, 2012, 29, 124007.	4.0	726
51	Status of the AEI 10 m prototype. Classical and Quantum Gravity, 2012, 29, 145005.	4.0	4
52	SWIFT FOLLOW-UP OBSERVATIONS OF CANDIDATE GRAVITATIONAL-WAVE TRANSIENT EVENTS. Astrophysical Journal, Supplement Series, 2012, 203, 28.	7.7	62
53	The characterization of Virgo data and its impact on gravitational-wave searches. Classical and Quantum Gravity, 2012, 29, 155002.	4.0	73
54	Publisherâ€™s Note: All-sky search for gravitational-wave bursts in the first joint LIGO-GEO-Virgo run [Phys. Rev. D81, 102001 (2010)]. Physical Review D, 2012, 85, .	4.7	3

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55	The AEI 10 m Prototype Interferometer frequency control using the reference cavity and its angular control. Journal of Physics: Conference Series, 2012, 363, 012012.	0.4	1
56	First low-latency LIGO+Virgo search for binary inspirals and their electromagnetic counterparts. Astronomy and Astrophysics, 2012, 541, A155.	5.1	75
57	SEARCH FOR GRAVITATIONAL WAVES ASSOCIATED WITH GAMMA-RAY BURSTS DURING LIGO SCIENCE RUN 6 AND VIRGO SCIENCE RUNS 2 AND 3. Astrophysical Journal, 2012, 760, 12.	4.5	104
58	IMPLICATIONS FOR THE ORIGIN OF GRB 051103 FROM LIGO OBSERVATIONS. Astrophysical Journal, 2012, 755, 2.	4.5	60
59	All-sky search for gravitational-wave bursts in the second joint LIGO-Virgo run. Physical Review D, 2012, 85, .	4.7	107
60	Search for gravitational waves from intermediate mass binary black holes. Physical Review D, 2012, 85, .	4.7	48
61	Upper limits on a stochastic gravitational-wave background using LIGO and Virgo interferometers at 600â€“1000ÂHz. Physical Review D, 2012, 85, .	4.7	43
62	Search for gravitational waves from low mass compact binary coalescence in LIGOâ€™s sixth science run and Virgoâ€™s science runs 2 and 3. Physical Review D, 2012, 85, .	4.7	185
63	Publisherâ€™s Note: Search for gravitational waves associated with the August 2006 timing glitch of the Vela pulsar [Phys. Rev. D83, 042001 (2011)]. Physical Review D, 2012, 85, .	4.7	2
64	All-sky search for periodic gravitational waves in the full S5 LIGO data. Physical Review D, 2012, 85, .	4.7	66
65	Publisherâ€™s Note: Search for gravitational waves from binary black hole inspiral, merger, and ringdown [Phys. Rev. D83, 122005 (2011)]. Physical Review D, 2012, 85, .	4.7	0
66	Publisherâ€™s Note: Search for gravitational waves from compact binary coalescence in LIGO and Virgo data from S5 and VSR1 [Phys. Rev. D82, 102001 (2010)]. Physical Review D, 2012, 85, .	4.7	2
67	Scientific objectives of Einstein Telescope. Classical and Quantum Gravity, 2012, 29, 124013.	4.0	355
68	Design of the 10 m AEI prototype facility for interferometry studies. Applied Physics B: Lasers and Optics, 2012, 106, 551-557.	2.2	13
69	Implementation and testing of the first prompt search forÂgravitational wave transients with electromagnetic counterparts. Astronomy and Astrophysics, 2012, 539, A124.	5.1	84
70	Search for gravitational waves associated with the August 2006 timing glitch of the Vela pulsar. Physical Review D, 2011, 83, .	4.7	54
71	Search for gravitational waves from binary black hole inspiral, merger, and ringdown. Physical Review D, 2011, 83, .	4.7	85
72	SEARCH FOR GRAVITATIONAL WAVE BURSTS FROM SIX MAGNETARS. Astrophysical Journal Letters, 2011, 734, L35.	8.3	55

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73	BEATING THE SPIN-DOWN LIMIT ON GRAVITATIONAL WAVE EMISSION FROM THE VELA PULSAR. Astrophysical Journal, 2011, 737, 93.	4.5	89
74	Reducing thermal noise in future gravitational wave detectors by employing Khalili etalons. Physics Letters, Section A: General, Atomic and Solid State Physics, 2011, 375, 4147-4157.	2.1	11
75	Optical detector topology for third-generation gravitational wave observatories. General Relativity and Gravitation, 2011, 43, 537-567.	2.0	6
76	Reduction of coating thermal noise by using an etalon. Physics Letters, Section A: General, Atomic and Solid State Physics, 2011, 375, 1363-1374.	2.1	12
77	Sensitivity studies for third-generation gravitational wave observatories. Classical and Quantum Gravity, 2011, 28, 094013.	4.0	644
78	Publisherâ€™s Note: Search for gravitational waves associated with the August 2006 timing glitch of the Vela pulsar [Phys. Rev. D83, 042001 (2011)]. Physical Review D, 2011, 83, .	4.7	0
79	Directional Limits on Persistent Gravitational Waves Using LIGO S5 Science Data. Physical Review Letters, 2011, 107, 271102.	7.8	94
80	A gravitational wave observatory operating beyond the quantum shot-noise limit. Nature Physics, 2011, 7, 962-965.	16.7	716
81	The Japanese space gravitational wave antenna: DECIGO. Classical and Quantum Gravity, 2011, 28, 094011.	4.0	456
82	Designs of the frequency reference cavity for the AEI 10 m Prototype interferometer. Journal of Physics: Conference Series, 2010, 228, 012028.	0.4	2
83	Towards a Suspension Platform Interferometer for the AEI 10 m Prototype Interferometer. Journal of Physics: Conference Series, 2010, 228, 012027.	0.4	2
84	SEARCH FOR GRAVITATIONAL-WAVE BURSTS ASSOCIATED WITH GAMMA-RAY BURSTS USING DATA FROM LIGO SCIENCE RUN 5 AND VIRGO SCIENCE RUN 1. Astrophysical Journal, 2010, 715, 1438-1452.	4.5	60
85	FIRST SEARCH FOR GRAVITATIONAL WAVES FROM THE YOUNGEST KNOWN NEUTRON STAR. Astrophysical Journal, 2010, 722, 1504-1513.	4.5	104
86	Calibration of the LIGO gravitational wave detectors in the fifth science run. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 624, 223-240.	1.6	120
87	Quantum noise of a Michelson-Sagnac interferometer with a translucent mechanical oscillator. Physical Review A, 2010, 81, .	2.5	23
88	Probing macroscopic quantum states with a sub-Heisenberg accuracy. Physical Review A, 2010, 81, .	2.5	38
89	The third generation of gravitational wave observatories and their science reach. Classical and Quantum Gravity, 2010, 27, 084007.	4.0	287
90	SEARCHES FOR GRAVITATIONAL WAVES FROM KNOWN PULSARS WITH SCIENCE RUN 5 LIGO DATA. Astrophysical Journal, 2010, 713, 671-685.	4.5	155

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91	The AEI 10 m prototype interferometer. Classical and Quantum Gravity, 2010, 27, 084023.	4.0	25
92	The Einstein Telescope: a third-generation gravitational wave observatory. Classical and Quantum Gravity, 2010, 27, 194002.	4.0	1,211
93	DECIGO and DECIGO pathfinder. Classical and Quantum Gravity, 2010, 27, 084010.	4.0	39
94	Remarks on thermoelastic effects at low temperatures and quantum limits in displacement measurements. Physical Review D, 2010, 82, .	4.7	7
95	Search for gravitational waves from compact binary coalescence in LIGO and Virgo data from S5 and VSR1. Physical Review D, 2010, 82, .	4.7	111
96	Shot-noise-limited control-loop noise in an interferometer with multiple degrees of freedom. Applied Optics, 2010, 49, 4335.	2.1	5
97	All-sky search for gravitational-wave bursts in the first joint LIGO-GEO-Virgo run. Physical Review D, 2010, 81, .	4.7	107
98	Predictions for the rates of compact binary coalescences observable by ground-based gravitational-wave detectors. Classical and Quantum Gravity, 2010, 27, 173001.	4.0	956
99	SEARCH FOR GRAVITATIONAL-WAVE INSPIRAL SIGNALS ASSOCIATED WITH SHORT GAMMA-RAY BURSTS DURING LIGO'S FIFTH AND VIRGO'S FIRST SCIENCE RUN. Astrophysical Journal, 2010, 715, 1453-1461.	4.5	90
100	Reduction and Possible Elimination of Coating Thermal Noise Using a Rigidly Controlled Cavity with a Quantum-Nondemolition Technique. Physical Review Letters, 2009, 102, 230801.	7.8	4
101	All-Sky LIGO Search for Periodic Gravitational Waves in the Early Fifth-Science-Run Data. Physical Review Letters, 2009, 102, 111102.	7.8	83
102	Quantum-state preparation and macroscopic entanglement in gravitational-wave detectors. Physical Review A, 2009, 80, .	2.5	36
103	DECIGO pathfinder. Classical and Quantum Gravity, 2009, 26, 094019.	4.0	18
104	Observation of a kilogram-scale oscillator near its quantum ground state. New Journal of Physics, 2009, 11, 073032.	2.9	123
105	An upper limit on the stochastic gravitational-wave background of cosmological origin. Nature, 2009, 460, 990-994.	27.8	303
106	Einstein@Home search for periodic gravitational waves in LIGO S4 data. Physical Review D, 2009, 79, .	4.7	83
107	Search for gravitational-wave bursts in the first year of the fifth LIGO science run. Physical Review D, 2009, 80, .	4.7	79
108	Einstein@Home search for periodic gravitational waves in early S5 LIGO data. Physical Review D, 2009, 80, .	4.7	78

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109	First LIGO search for gravitational wave bursts from cosmic (super)strings. Physical Review D, 2009, 80, .	4.7	45
110	Search for gravitational waves from low mass compact binary coalescence in 186 days of LIGOâ€™s fifth science run. Physical Review D, 2009, 80, .	4.7	105
111	Search for gravitational waves from low mass binary coalescences in the first year of LIGOâ€™s S5 data. Physical Review D, 2009, 79, .	4.7	120
112	Search for gravitational wave ringdowns from perturbed black holes in LIGO S4 data. Physical Review D, 2009, 80, .	4.7	38
113	Coating thermal noise of a finite-size cylindrical mirror. Physical Review D, 2009, 79, .	4.7	19
114	Search for high frequency gravitational-wave bursts in the first calendar year of LIGOâ€™s fifth science run. Physical Review D, 2009, 80, .	4.7	32
115	STACKED SEARCH FOR GRAVITATIONAL WAVES FROM THE 2006 SGR 1900+14 STORM. Astrophysical Journal, 2009, 701, L68-L74.	4.5	45
116	DECIGO: The Japanese space gravitational wave antenna. Journal of Physics: Conference Series, 2009, 154, 012040.	0.4	30
117	Double optical spring enhancement for gravitational-wave detectors. Physical Review D, 2008, 78, .	4.7	39
118	Publisherâ€™s Note: Upper limit map of a background of gravitational waves [Phys. Rev. D76, 082003 (2007)]. Physical Review D, 2008, 77, .	4.7	0
119	Publisherâ€™s Note: Upper limits on gravitational wave emission from 78 radio pulsars [Phys. Rev. D76, 042001 (2007)]. Physical Review D, 2008, 77, .	4.7	0
120	Search for gravitational waves associated with 39 gamma-ray bursts using data from the second, third, and fourth LIGO runs. Physical Review D, 2008, 77, .	4.7	60
121	All-sky search for periodic gravitational waves in LIGO S4 data. Physical Review D, 2008, 77, .	4.7	110
122	Search of S3 LIGO data for gravitational wave signals from spinning black hole and neutron star binary inspirals. Physical Review D, 2008, 78, .	4.7	54
123	Development of a signal-extraction scheme for resonant sideband extraction. Classical and Quantum Gravity, 2008, 25, 235013.	4.0	2
124	Demonstration of displacement-noise-free interferometry using bi-directional Machâ€“Zehnder interferometers. Classical and Quantum Gravity, 2008, 25, 114031.	4.0	0
125	Astrophysically triggered searches for gravitational waves: status and prospects. Classical and Quantum Gravity, 2008, 25, 114051.	4.0	26
126	First joint search for gravitational-wave bursts in LIGO and GEO 600 data. Classical and Quantum Gravity, 2008, 25, 245008.	4.0	22

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127	Experimental investigation of a control scheme for a zero-detuning resonant sideband extraction interferometer for next-generation gravitational-wave detectors. Classical and Quantum Gravity, 2008, 25, 195008.	4.0	5
128	A joint search for gravitational wave bursts with AURIGA and LIGO. Classical and Quantum Gravity, 2008, 25, 095004.	4.0	16
129	Publisherâ€™s Note: All-sky search for periodic gravitational waves in LIGO S4 data [Phys. Rev. D77, 022001 (2008)]. Physical Review D, 2008, 77, .	4.7	0
130	Publisherâ€™s Note: First cross-correlation analysis of interferometric and resonant-bar gravitational-wave data for stochastic backgrounds [Phys. Rev. D76, 022001 (2007)]. Physical Review D, 2008, 77, .	4.7	0
131	Search for gravitational waves from binary inspirals in S3 and S4 LIGO data. Physical Review D, 2008, 77, .	4.7	126
132	Search for Gravitational-Wave Bursts from Soft Gamma Repeaters. Physical Review Letters, 2008, 101, 211102.	7.8	69
133	The Japanese space gravitational wave antenna; DECIGO. Journal of Physics: Conference Series, 2008, 120, 032004.	0.4	34
134	DECIGO pathfinder. Journal of Physics: Conference Series, 2008, 120, 032005.	0.4	5
135	Implications for the Origin of GRB 070201 from LIGO Observations. Astrophysical Journal, 2008, 681, 1419-1430.	4.5	143
136	Three Successive and Interacting Shock Waves Generated by a Solar Flare. Astrophysical Journal, 2008, 684, L45-L49.	4.5	23
137	Beating the Spin-Down Limit on Gravitational Wave Emission from the Crab Pulsar. Astrophysical Journal, 2008, 683, L45-L49.	4.5	160
138	Displacement noise free interferometory for gravitational wave detection. Journal of Physics: Conference Series, 2008, 120, 032006.	0.4	0
139	The experimental plan of displacement- and frequency-noise free laser interferometer. Journal of Physics: Conference Series, 2008, 122, 012022.	0.4	0
140	The Japanese space gravitational wave antenna - DECIGO. Journal of Physics: Conference Series, 2008, 122, 012006.	0.4	46
141	DECIGO: THE JAPANESE SPACE GRAVITATIONAL WAVE ANTENNA. , 2008, , .		0
142	Search for gravitational-wave bursts in LIGO data from the fourth science run. Classical and Quantum Gravity, 2007, 24, 5343-5369.	4.0	78
143	Demonstration of Displacement- and Frequency-Noise-Free Laser Interferometry Using Bidirectional Mach-Zehnder Interferometers. Physical Review Letters, 2007, 98, 141101.	7.8	14
144	Upper limits on gravitational wave emission from 78 radio pulsars. Physical Review D, 2007, 76, .	4.7	121

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145	Publisherâ€™s Note: First cross-correlation analysis of interferometric and resonant-bar gravitational-wave data for stochastic backgrounds [Phys. Rev. DPRVDAQ0556-282176, 022001 (2007)]. Physical Review D, 2007, 76, .	4.7	0
146	First cross-correlation analysis of interferometric and resonant-bar gravitational-wave data for stochastic backgrounds. Physical Review D, 2007, 76, .	4.7	35
147	Searching for a Stochastic Background of Gravitational Waves with the Laser Interferometer Gravitational-Wave Observatory. Astrophysical Journal, 2007, 659, 918-930.	4.5	120
148	Isolation of gravitational waves from displacement noise and utility of a time-delay device. Journal of Physics: Conference Series, 2007, 66, 012053.	0.4	4
149	Utility investigation of artificial time delay in displacement-noise-free interferometers. Physical Review D, 2007, 76, .	4.7	4
150	Searches for periodic gravitational waves from unknown isolated sources and Scorpius X-1: Results from the second LIGO science run. Physical Review D, 2007, 76, .	4.7	128
151	Upper limit map of a background of gravitational waves. Physical Review D, 2007, 76, .	4.7	90
152	Local readout enhancement for detuned signal-recycling interferometers. Physical Review D, 2007, 76, .	4.7	20
153	Diagonalization of the length sensing matrix of a dual recycled laser interferometer gravitational wave antenna. Physical Review D, 2007, 75, .	4.7	9
154	Search for gravitational wave radiation associated with the pulsating tail of the SGR<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mn>1806</mml:mn><mml:mo>â^’</mml:mo><mml:mn>20</mml:mn></mml:math>hyperflare of 27 December 2004 using LIGO. Physical Review D, 2007, 76, .	4.7	51
155	Results of the search for inspiraling compact star binaries from TAMA300â€™s observation in 2000â€“2004. Physical Review D, 2006, 74, .	4.7	11
156	Joint LIGO and TAMA300 search for gravitational waves from inspiralling neutron star binaries. Physical Review D, 2006, 73, .	4.7	40
157	Frequency noise and intensity noise of next-generation gravitational-wave detectors with RF/DC readout schemes. Physical Review D, 2006, 73, .	4.7	34
158	The Experimental plan of the 4m Resonant Sideband Extraction Prototype for The LCGT. Journal of Physics: Conference Series, 2006, 32, 380-385.	0.4	5
159	Downselect of the signal extraction scheme for LCGT. Journal of Physics: Conference Series, 2006, 32, 424-431.	0.4	0
160	Development of a control scheme of homodyne detection for extracting ponderomotive squeezing from a Michelson interferometer. Journal of Physics: Conference Series, 2006, 32, 464-469.	0.4	6
161	Diagonalizing sensing matrix of broadband RSE. Journal of Physics: Conference Series, 2006, 32, 470-475.	0.4	2
162	The Japanese space gravitational wave antennaâ€”DECIGO. Classical and Quantum Gravity, 2006, 23, S125-S131.	4.0	388

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163	Interferometers for Displacement-Noise-Free Gravitational-Wave Detection. Physical Review Letters, 2006, 97, 151103.	7.8	26
164	Upper limits from the LIGO and TAMA detectors on the rate of gravitational-wave bursts. Physical Review D, 2005, 72, .	4.7	49
165	Observation results by the TAMA300 detector on gravitational wave bursts from stellar-core collapses. Physical Review D, 2005, 71, .	4.7	24
166	Development of a frequency-detuned interferometer as a prototype experiment for next-generation gravitational-wave detectors. Applied Optics, 2005, 44, 3179.	2.1	9
167	Power-recycled resonant sideband extraction interferometer with polarization detection. Applied Optics, 2005, 44, 3413.	2.1	0
168	Analysis methods for burst gravitational waves with TAMA data. Classical and Quantum Gravity, 2004, 21, S1679-S1684.	4.0	6
169	Present status of large-scale cryogenic gravitational wave telescope. Classical and Quantum Gravity, 2004, 21, S1161-S1172.	4.0	43
170	Coincidence analysis to search for inspiraling compact binaries using TAMA300 and LISM data. Physical Review D, 2004, 70, .	4.7	16
171	Photodetection method using unbalanced sidebands for squeezed quantum noise in a gravitational wave interferometer. Physical Review D, 2003, 67, .	4.7	6
172	Current status of large-scale cryogenic gravitational wave telescope. Classical and Quantum Gravity, 2003, 20, S871-S884.	4.0	21
173	Induced current damping for the suspension system of a gravitational-wave detector. Review of Scientific Instruments, 2002, 73, 3942-3945.	1.3	0
174	Development of a suspended-mass RSE interferometer using third harmonic demodulation. Classical and Quantum Gravity, 2002, 19, 1555-1560.	4.0	7
175	Mirror suspension system for the TAMA SAS. Classical and Quantum Gravity, 2002, 19, 1615-1621.	4.0	38
176	Japanese large-scale interferometers. Classical and Quantum Gravity, 2002, 19, 1237-1245.	4.0	21
177	Anatomy of the TAMA SAS seismic attenuation system. Classical and Quantum Gravity, 2002, 19, 1605-1614.	4.0	35
178	First search for gravitational waves from inspiraling compact binaries using TAMA300 data. Physical Review D, 2001, 63, .	4.7	70
179	Stable Operation of a 300-m Laser Interferometer with Sufficient Sensitivity to Detect Gravitational-Wave Events within Our Galaxy. Physical Review Letters, 2001, 86, 3950-3954.	7.8	255
180	Methods of improving thermal noise. , 0, , 73-92.		0