Iain Martin

List of Publications by Year in Descending Order

155 papers	30,409 citations	58 h-index	162 g-index
162 ext. papers	36,396 ext. citations	5.4 avg, IF	5.39 L-index

#	Paper	IF	Citations
155	A Gravitational-wave Measurement of the Hubble Constant Following the Second Observing Run of Advanced LIGO and Virgo. *Astrophysical Journal*, **2021**, 909, 218	4.7	46
154	Argon bubble formation in tantalum oxide-based films for gravitational wave interferometer mirrors. *Optical Materials Express*, **2021**, 11, 707	2.6	2
153	Exploration of co-sputtered Ta2O5ZrO2 thin films for gravitational-wave detectors. *Classical and Quantum Gravity*, **2021**, 38, 195021	3.3	1
152	Demonstration of the Multimaterial Coating Concept to Reduce Thermal Noise in Gravitational-Wave Detectors. *Physical Review Letters*, **2020**, 125, 011102	7.4	3
151	Influence of deposition parameters on the optical absorption of amorphous silicon thin films. *Physical Review Research*, **2020**, 2,	3.9	1
150	Lowest observed surface and weld losses in fused silica fibres for gravitational wave detectors. *Classical and Quantum Gravity*, **2020**, 37, 195019	3.3	3
149	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. *Living Reviews in Relativity*, **2020**, 23, 3	32.5	144
148	Mirror Coating Solution for the Cryogenic Einstein Telescope. *Physical Review Letters*, **2019**, 122, 231102	7.4	11
147	Time-evolution of NIR absorption in hydroxide-catalysis bonds. *Materialia*, **2019**, 6, 100331	3.2	0
146	High Precision Detection of Change in Intermediate Range Order of Amorphous Zirconia-Doped Tantala Thin Films Due to Annealing. *Physical Review Letters*, **2019**, 123, 045501	7.4	17
145	Thermal noise from icy mirrors in gravitational wave detectors. *Physical Review Research*, **2019**, 1,	3.9	5
144	Effect of elevated substrate temperature deposition on the mechanical losses in tantala thin film coatings. *Classical and Quantum Gravity*, **2018**, 35, 075001	3.3	16
143	First Search for Nontensorial Gravitational Waves from Known Pulsars. *Physical Review Letters*, **2018**, 120, 031104	7.4	50
142	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. *Living Reviews in Relativity*, **2018**, 21, 3	32.5	543
141	Identification and mitigation of narrow spectral artifacts that degrade searches for persistent gravitational waves in the first two observing runs of Advanced LIGO. *Physical Review D*, **2018**, 97,	4.9	77
140	Bulk and shear mechanical loss of titania-doped tantala. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2018**, 382, 2282-2288	2.3	5
139	Effect of Stress and Temperature on the Optical Properties of Silicon Nitride Membranes at 1,550 nm. *Frontiers in Materials*, **2018**, 5,	4	9

138	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA **2018**, 21, 1		2
137	Silicon nitride and silica quarter-wave stacks for low-thermal-noise mirror coatings. *Physical Review D*, **2018**, 98,	4.9	8
136	Amorphous Silicon with Extremely Low Absorption: Beating Thermal Noise in Gravitational Astronomy. *Physical Review Letters*, **2018**, 121, 191101	7.4	18
135	Search for Tensor, Vector, and Scalar Polarizations in the Stochastic Gravitational-Wave Background. *Physical Review Letters*, **2018**, 120, 201102	7.4	60
134	Silicon-Based Optical Mirror Coatings for Ultrahigh Precision Metrology and Sensing. *Physical Review Letters*, **2018**, 120, 263602	7.4	29
133	Upper Limits on the Stochastic Gravitational-Wave Background from Advanced LIGO's First Observing Run. *Physical Review Letters*, **2017**, 118, 121101	7.4	137
132	Directional Limits on Persistent Gravitational Waves from Advanced LIGO's First Observing Run. *Physical Review Letters*, **2017**, 118, 121102	7.4	65
131	The basic physics of the binary black hole merger GW150914. *Annalen Der Physik*, **2017**, 529, 1600209	2.6	45
130	GW170814: A Three-Detector Observation of Gravitational Waves from a Binary Black Hole Coalescence. *Physical Review Letters*, **2017**, 119, 141101	7.4	1270
129	GW170817: Observation of Gravitational Waves from a Binary Neutron Star Inspiral. *Physical Review Letters*, **2017**, 119, 161101	7.4	4272
128	Cryogenic mechanical loss of a single-crystalline GaP coating layer for precision measurement applications. *Physical Review D*, **2017**, 95,	4.9	5
127	Quantum correlation measurements in interferometric gravitational-wave detectors. *Physical Review A*, **2017**, 95,	2.6	9
126	Search for Gravitational Waves Associated with Gamma-Ray Bursts during the First Advanced LIGO Observing Run and Implications for the Origin of GRB 150906B. *Astrophysical Journal*, **2017**, 841, 89	4.7	42
125	Optical absorption of silicon nitride membranes at 1064 nm and at 1550 nm. *Physical Review D*, **2017**, 96,	4.9	10
124	First Demonstration of Electrostatic Damping of Parametric Instability at Advanced LIGO. *Physical Review Letters*, **2017**, 118, 151102	7.4	18
123	Effects of transients in LIGO suspensions on searches for gravitational waves. *Review of Scientific Instruments*, **2017**, 88, 124501	1.7	4
122	GW170104: Observation of a 50-Solar-Mass Binary Black Hole Coalescence at Redshift 0.2. *Physical Review Letters*, **2017**, 118, 221101	7.4	1609
121	Anomalous optical surface absorption in nominally pure silicon samples at 1550 nm. *Classical and Quantum Gravity*, **2017**, 34, 205013	3.3	3

120	Coatings and surface treatments for enhanced performance suspensions for future gravitational wave detectors. *Classical and Quantum Gravity*, **2017**, 34, 235012	3.3	2
119	LOCALIZATION AND BROADBAND FOLLOW-UP OF THE GRAVITATIONAL-WAVE TRANSIENT GW150914. *Astrophysical Journal Letters*, **2016**, 826, L13	7.9	183
118	Directly comparing GW150914 with numerical solutions of Einstein's equations for binary black hole coalescence. *Physical Review D*, **2016**, 94,	4.9	76
117	All-sky search for long-duration gravitational wave transients with initial LIGO. *Physical Review D*, **2016**, 93,	4.9	27
116	Search of the Orion spur for continuous gravitational waves using a loosely coherent algorithm on data from LIGO interferometers. *Physical Review D*, **2016**, 93,	4.9	14
115	First low frequency all-sky search for continuous gravitational wave signals. *Physical Review D*, **2016** , 93,	4.9	29
114	High index top layer for multimaterial coatings. *Physical Review D*, **2016**, 93,	4.9	4
113	Sensitivity of the Advanced LIGO detectors at the beginning of gravitational wave astronomy. *Physical Review D*, **2016**, 93,	4.9	208
112	GW150914: First results from the search for binary black hole coalescence with Advanced LIGO. *Physical Review D*, **2016**, 93,	4.9	253
111	GW150914: The Advanced LIGO Detectors in the Era of First Discoveries. *Physical Review Letters*, **2016**, 116, 131103	7.4	328
110	Optical absorption of ion-beam sputtered amorphous silicon coatings. *Physical Review D*, **2016**, 93,	4.9	15
109	Observing gravitational-wave transient GW150914 with minimal assumptions. *Physical Review D*, **2016**, 93,	4.9	94
108	Tests of General Relativity with GW150914. *Physical Review Letters*, **2016**, 116, 221101	7.4	837
107	Properties of the Binary Black Hole Merger GW150914. *Physical Review Letters*, **2016**, 116, 241102	7.4	515
106	GW151226: Observation of Gravitational Waves from a 22-Solar-Mass Binary Black Hole Coalescence. *Physical Review Letters*, **2016**, 116, 241103	7.4	2136
105	Binary Black Hole Mergers in the First Advanced LIGO Observing Run. *Physical Review X*, **2016**, 6,	9.1	723
104	Medium range structural order in amorphous tantala spatially resolved with changes to atomic structure by thermal annealing. *Journal of Non-Crystalline Solids*, **2016**, 438, 10-17	3.9	23
103	ASTROPHYSICAL IMPLICATIONS OF THE BINARY BLACK HOLE MERGER GW150914. *Astrophysical Journal Letters*, **2016**, 818, L22	7.9	512

102	Order, disorder and mixing: The atomic structure of amorphous mixtures of titania and tantala. *Journal of Non-Crystalline Solids*, **2016**, 438, 59-66	3.9	8
101	Observation of Gravitational Waves from a Binary Black Hole Merger. *Physical Review Letters*, **2016**, 116, 061102	7.4	6108
100	Development of Mirror Coatings for Gravitational Wave Detectors. *Coatings*, **2016**, 6, 61	2.9	21
99	Comparison of Single-Layer and Double-Layer Anti-Reflection Coatings Using Laser-Induced Damage Threshold and Photothermal Common-Path Interferometry. *Coatings*, **2016**, 6, 20	2.9	5
98	Characterization of transient noise in Advanced LIGO relevant to gravitational wave signal GW150914. *Classical and Quantum Gravity*, **2016**, 33,	3.3	155
97	Production of Nanoscale Vibration for Stimulation of Human Mesenchymal Stem Cells. *Journal of Biomedical Nanotechnology*, **2016**, 12, 1478-88	4	9
96	Prospects for Observing and Localizing Gravitational-Wave Transients with Advanced LIGO and Advanced Virgo. *Living Reviews in Relativity*, **2016**, 19, 1	32.5	393
95	Results of the deepest all-sky survey for continuous gravitational waves on LIGO S6 data running on the Einstein@Home volunteer distributed computing project. *Physical Review D*, **2016**, 94,	4.9	29
94	Searching for stochastic gravitational waves using data from the two colocated LIGO Hanford detectors. *Physical Review D*, **2015**, 91,	4.9	26
93	Directed search for gravitational waves from Scorpius X-1 with initial LIGO data. *Physical Review D*, **2015**, 91,	4.9	38
92	Mapping the optical absorption of a substrate-transferred crystalline AlGaAs coating at 1.5 μm. *Classical and Quantum Gravity*, **2015**, 32, 105008	3.3	9
91	Low-temperature mechanical dissipation of thermally evaporated indium film for use in interferometric gravitational wave detectors. *Classical and Quantum Gravity*, **2015**, 32, 115014	3.3	3
90	Thermal noise reduction and absorption optimization via multimaterial coatings. *Physical Review D*, **2015**, 91,	4.9	23
89	Characterization of the LIGO detectors during their sixth science run. *Classical and Quantum Gravity* , **2015**, 32, 115012	3.3	790
88	Advanced LIGO. *Classical and Quantum Gravity*, **2015**, 32, 074001	3.3	1098
87	Order within disorder: The atomic structure of ion-beam sputtered amorphous tantala (a-Ta2O5). *APL Materials*, **2015**, 3, 036103	5.7	11
86	SEARCHES FOR CONTINUOUS GRAVITATIONAL WAVES FROM NINE YOUNG SUPERNOVA REMNANTS. *Astrophysical Journal*, **2015**, 813, 39	4.7	58
85	Ion-beam sputtered amorphous silicon films for cryogenic precision measurement systems. *Physical Review D*, **2015**, 92,	4.9	22

84	Measurement of the mechanical loss of prototype GaP/AlGaP crystalline coatings for future gravitational wave detectors. *Classical and Quantum Gravity*, **2015**, 32, 035002	3.3	22
83	Investigating the relationship between material properties and laser-induced damage threshold of dielectric optical coatings at 1064 nm **2015**,		3
82	Narrow-band search of continuous gravitational-wave signals from Crab and Vela pulsars in Virgo VSR4 data. *Physical Review D*, **2015**, 91,	4.9	32
81	Low temperature mechanical dissipation of an ion-beam sputtered silica film. *Classical and Quantum Gravity*, **2014**, 31, 035019	3.3	38
80	Implementation of an $mathcal{F}$-statistic all-sky search for continuous gravitational waves in Virgo VSR1 data. *Classical and Quantum Gravity*, **2014**, 31, 165014	3.3	27
79	GRAVITATIONAL WAVES FROM KNOWN PULSARS: RESULTS FROM THE INITIAL DETECTOR ERA. *Astrophysical Journal*, **2014**, 785, 119	4.7	109
78	Application of a Hough search for continuous gravitational waves on data from the fifth LIGO science run. *Classical and Quantum Gravity*, **2014**, 31, 085014	3.3	18
77	The NINJA-2 project: detecting and characterizing gravitational waveforms modelled using numerical binary black hole simulations. *Classical and Quantum Gravity*, **2014**, 31, 115004	3.3	34
76	Search for gravitational wave ringdowns from perturbed intermediate mass black holes in LIGO-Virgo data from 2005–2010. *Physical Review D*, **2014**, 89,	4.9	26
75	Search for gravitational waves associated with γ-ray bursts detected by the interplanetary network. *Physical Review Letters*, **2014**, 113, 011102	7.4	30
74	Search for gravitational radiation from intermediate mass black hole binaries in data from the second LIGO-Virgo joint science run. *Physical Review D*, **2014**, 89,	4.9	32
73	Methods and results of a search for gravitational waves associated with gamma-ray bursts using the GEO 600, LIGO, and Virgo detectors. *Physical Review D*, **2014**, 89,	4.9	25
72	Concepts and research for future detectors. *General Relativity and Gravitation*, **2014**, 46, 1	2.3	2
71	Investigating the medium range order in amorphous Ta2O5coatings. *Journal of Physics: Conference Series*, **2014**, 522, 012043	0.3	5
70	Enhanced characteristics of fused silica fibers using laser polishing. *Classical and Quantum Gravity*, **2014**, 31, 105006	3.3	14
69	FIRST SEARCHES FOR OPTICAL COUNTERPARTS TO GRAVITATIONAL-WAVE CANDIDATE EVENTS. *Astrophysical Journal, Supplement Series*, **2014**, 211, 7	8	51
68	Investigation of the Young's modulus and thermal expansion of amorphous titania-doped tantala films. *Applied Optics*, **2014**, 53, 3196-202	1.7	15
67	First all-sky search for continuous gravitational waves from unknown sources in binary systems. *Physical Review D*, **2014**, 90,	4.9	54

66	Constraints on cosmic strings from the LIGO-Virgo gravitational-wave detectors. *Physical Review Letters*, **2014**, 112, 131101	7.4	59
65	Improved upper limits on the stochastic gravitational-wave background from 2009-2010 LIGO and Virgo data. *Physical Review Letters*, **2014**, 113, 231101	7.4	74
64	Mechanical loss of a multilayer tantala/silica coating on a sapphire disk at cryogenic temperatures: Toward the KAGRA gravitational wave detector. *Physical Review D*, **2014**, 90,	4.9	16
63	Multimessenger search for sources of gravitational waves and high-energy neutrinos: Initial results for LIGO-Virgo and IceCube. *Physical Review D*, **2014**, 90,	4.9	25
62	Silicon mirror suspensions for gravitational wave detectors. *Classical and Quantum Gravity*, **2014**, 31, 025017	3.3	22
61	Experimental results for nulling the effective thermal expansion coefficient of fused silica fibres under a static stress. *Classical and Quantum Gravity*, **2014**, 31, 065010	3.3	9
60	Cell interactions at the nanoscale: piezoelectric stimulation. *IEEE Transactions on Nanobioscience*, **2013**, 12, 247-54	3.4	11
59	Dependence of cryogenic strength of hydroxide catalysis bonded silicon on type of surface oxide. *Classical and Quantum Gravity*, **2013**, 30, 025003	3.3	7
58	Correlations between the mechanical loss and atomic structure of amorphous TiO2-doped Ta2O5 coatings. *Acta Materialia*, **2013**, 61, 1070-1077	8.4	35
57	Search for long-lived gravitational-wave transients coincident with long gamma-ray bursts. *Physical Review D*, **2013**, 88,	4.9	30
56	Enhanced sensitivity of the LIGO gravitational wave detector by using squeezed states of light. *Nature Photonics*, **2013**, 7, 613-619	33.9	572
55	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	6.4	29
54	Cryogenic measurements of mechanical loss of high-reflectivity coating and estimation of thermal noise. *Optics Letters*, **2013**, 38, 5268-71	3	28
53	Investigation of mechanical losses of thin silicon flexures at low temperatures. *Classical and Quantum Gravity*, **2013**, 30, 115008	3.3	22
52	Calculation of thermal noise in grating reflectors. *Physical Review D*, **2013**, 88,	4.9	15
51	Einstein@Home all-sky search for periodic gravitational waves in LIGO S5 data. *Physical Review D*, **2013**, 87,	4.9	84
50	Parameter estimation for compact binary coalescence signals with the first generation gravitational-wave detector network. *Physical Review D*, **2013**, 88,	4.9	122
49	Directed search for continuous gravitational waves from the Galactic center. *Physical Review D*, **2013**, 88,	4.9	57

48	Epitaxial integration of monocrystalline III-V coatings on silicon for thermal noise reduction **2013**,		3
47	IMPLICATIONS FOR THE ORIGIN OF GRB 051103 FROM LIGO OBSERVATIONS. *Astrophysical Journal* , **2012**, 755, 2	4.7	53
46	All-sky search for gravitational-wave bursts in the second joint LIGO-Virgo run. *Physical Review D*, **2012**, 85,	4.9	96
45	Search for gravitational waves from intermediate mass binary black holes. *Physical Review D*, **2012**, 85,	4.9	46
44	Upper limits on a stochastic gravitational-wave background using LIGO and Virgo interferometers at 600–1000 Hz. *Physical Review D*, **2012**, 85,	4.9	40
43	Search for gravitational waves from low mass compact binary coalescence in LIGO's sixth science run and Virgo's science runs 2 and 3. *Physical Review D*, **2012**, 85,	4.9	172
42	All-sky search for periodic gravitational waves in the full S5 LIGO data. *Physical Review D*, **2012**, 85,	4.9	61
41	Scientific objectives of Einstein Telescope. *Classical and Quantum Gravity*, **2012**, 29, 124013	3.3	256
40	The mechanical loss of tin (II) oxide thin-film coatings for charge mitigation in future gravitational wave detectors. *Classical and Quantum Gravity*, **2012**, 29, 035002	3.3	1
39	Update on quadruple suspension design for Advanced LIGO. *Classical and Quantum Gravity*, **2012**, 29, 235004	3.3	97
38	Mechanical Spectroscopy of Silicon as a Low Loss Material for High Precision Mechanical and Optical Experiments. *Solid State Phenomena*, **2012**, 184, 443-448	0.4	1
37	SWIFT FOLLOW-UP OBSERVATIONS OF CANDIDATE GRAVITATIONAL-WAVE TRANSIENT EVENTS. *Astrophysical Journal, Supplement Series*, **2012**, 203, 28	8	57
36	The characterization of Virgo data and its impact on gravitational-wave searches. *Classical and Quantum Gravity*, **2012**, 29, 155002	3.3	59
35	First low-latency LIGO+Virgo search for binary inspirals and their electromagnetic counterparts. *Astronomy and Astrophysics*, **2012**, 541, A155	5.1	69
34	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	4.7	94
33	Implementation and testing of the first prompt search for gravitational wave transients with electromagnetic counterparts. *Astronomy and Astrophysics*, **2012**, 539, A124	5.1	71
32	SEARCH FOR GRAVITATIONAL WAVE BURSTS FROM SIX MAGNETARS. *Astrophysical Journal Letters*, **2011**, 734, L35	7.9	47
31	BEATING THE SPIN-DOWN LIMIT ON GRAVITATIONAL WAVE EMISSION FROM THE VELA PULSAR. *Astrophysical Journal*, **2011**, 737, 93	4.7	75

30	Search for gravitational waves associated with the August 2006 timing glitch of the Vela pulsar. *Physical Review D*, **2011**, 83,	4.9	40
29	Search for gravitational waves from binary black hole inspiral, merger, and ringdown. *Physical Review D*, **2011**, 83,	4.9	77
28	Sensitivity studies for third-generation gravitational wave observatories. *Classical and Quantum Gravity*, **2011**, 28, 094013	3.3	382
27	Cryogenic mechanical loss measurements of heat-treated hafnium dioxide. *Classical and Quantum Gravity*, **2011**, 28, 195017	3.3	12
26	Directional limits on persistent gravitational waves using LIGO S5 science data. *Physical Review Letters*, **2011**, 107, 271102	7.4	85
25	A gravitational wave observatory operating beyond the quantum shot-noise limit. *Nature Physics*, **2011**, 7, 962-965	16.2	554
24	Invited article: CO2 laser production of fused silica fibers for use in interferometric gravitational wave detector mirror suspensions. *Review of Scientific Instruments*, **2011**, 82, 011301	1.7	30
23	Acoustic losses in a thick quartz plate at low temperatures. *Journal of Applied Physics*, **2010**, 107, 013504	2.5	6
22	The third generation of gravitational wave observatories and their science reach. *Classical and Quantum Gravity*, **2010**, 27, 084007	3.3	214
21	The Einstein Telescope: a third-generation gravitational wave observatory. *Classical and Quantum Gravity*, **2010**, 27, 194002	3.3	675
20	Investigation of mechanical dissipation in CO 2 laser-drawn fused silica fibres and welds. *Classical and Quantum Gravity*, **2010**, 27, 035013	3.3	18
19	Effect of heat treatment on mechanical dissipation in Ta 2 O 5 coatings. *Classical and Quantum Gravity*, **2010**, 27, 225020	3.3	57
18	Search for gravitational waves from compact binary coalescence in LIGO and Virgo data from S5 and VSR1. *Physical Review D*, **2010**, 82,	4.9	100
17	All-sky search for gravitational-wave bursts in the first joint LIGO-GEO-Virgo run. *Physical Review D*, **2010**, 81,	4.9	81
16	Predictions for the rates of compact binary coalescences observable by ground-based gravitational-wave detectors. *Classical and Quantum Gravity*, **2010**, 27, 173001	3.3	869
15	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	4.7	79
14	Silicate bonding properties: Investigation through thermal conductivity measurements. *Journal of Physics: Conference Series*, **2010**, 228, 012019	0.3	2
13	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	4.7	54

12	FIRST SEARCH FOR GRAVITATIONAL WAVES FROM THE YOUNGEST KNOWN NEUTRON STAR. *Astrophysical Journal*, **2010**, 722, 1504-1513	4.7	95
11	Re-evaluation of the mechanical loss factor of hydroxide-catalysis bonds and its significance for the next generation of gravitational wave detectors. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2010**, 374, 3993-3998	2.3	25
10	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	1.2	108
9	All-sky LIGO search for periodic gravitational waves in the early fifth-science-run data. *Physical Review Letters*, **2009**, 102, 111102	7.4	77
8	Comparison of the temperature dependence of the mechanical dissipation in thin films of Ta 2 O 5 and Ta 2 O 5 doped with TiO 2. *Classical and Quantum Gravity*, **2009**, 26, 155012	3.3	44
7	Search for gravitational-wave bursts in the first year of the fifth LIGO science run. *Physical Review D* , **2009**, 80,	4.9	71
6	Strength testing and SEM imaging of hydroxide-catalysis bonds between silicon. *Classical and Quantum Gravity*, **2009**, 26, 175007	3.3	21
5	Beating the Spin-Down Limit on Gravitational Wave Emission from the Crab Pulsar. *Astrophysical Journal*, **2008**, 683, L45-L49	4.7	148
4	The effects of heating on mechanical loss in tantala/silica optical coatings. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2008**, 372, 87-90	2.3	3
3	Upper limit map of a background of gravitational waves. *Physical Review D*, **2007**, 76,	4.9	85
2	Influence of temperature and hydroxide concentration on the settling time of hydroxy-catalysis bonds. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2007**, 363, 341-345	2.3	17
1	Silica suspension and coating developments for Advanced LIGO. *Journal of Physics: Conference Series*, **2006**, 32, 386-392	0.3	3