

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

32 papers	2,679 citations	17 h-index	33 g-index
33 ext. papers	3,278 ext. citations	6.4 avg, IF	2.42 L-index

#	Paper	IF	Citations
32	Enhanced sensitivity of the LIGO gravitational wave detector by using squeezed states of light. <i>Nature Photonics</i> , <b>2013</b> , 7, 613-619	33.9	572
31	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. <i>Living Reviews in Relativity</i> , <b>2018</b> , 21, 3	32.5	543
30	Prospects for Observing and Localizing Gravitational-Wave Transients with Advanced LIGO and Advanced Virgo. <i>Living Reviews in Relativity</i> , <b>2016</b> , 19, 1	32.5	393
29	Scientific objectives of Einstein Telescope. <i>Classical and Quantum Gravity</i> , <b>2012</b> , 29, 124013	3.3	256
28	Characterization of transient noise in Advanced LIGO relevant to gravitational wave signal GW150914. <i>Classical and Quantum Gravity</i> , <b>2016</b> , 33,	3.3	155
27	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. <i>Living Reviews in Relativity</i> , <b>2020</b> , 23, 3	32.5	144
26	Near-simultaneous dual energy range EELS spectrum imaging. <i>Ultramicroscopy</i> , <b>2008</b> , 108, 1586-94	3.1	80
25	SEARCH FOR GRAVITATIONAL-WAVE INSPIRAL SIGNALS ASSOCIATED WITH SHORT GAMMA-RAY BURSTS DURING LIGO'S FIFTH AND VIRGO'S FIRST SCIENCE RUN. <i>Astrophysical Journal</i> , <b>2010</b> , 715, 1453-1461	4.7	79
24	Effect of heat treatment on mechanical dissipation in Ta 2 O 5 coatings. <i>Classical and Quantum Gravity</i> , <b>2010</b> , 27, 225020	3.3	57
23	Imaging the dephasing of spin wave modes in a square thin film magnetic element. <i>Physical Review B</i> , <b>2004</b> , 69,	3.3	57
22	The basic physics of the binary black hole merger GW150914. <i>Annalen Der Physik</i> , <b>2017</b> , 529, 1600209	2.6	45
21	Quantitative field measurements from magnetic force microscope tips and comparison with point and extended charge models. <i>Journal of Applied Physics</i> , <b>2001</b> , 89, 3656-3661	2.5	44
20	Search for Gravitational Waves Associated with Gamma-Ray Bursts during the First Advanced LIGO Observing Run and Implications for the Origin of GRB 150906B. <i>Astrophysical Journal</i> , <b>2017</b> , 841, 89	4.7	42
19	Quantitative imaging of magnetic domain walls in thin films using Lorentz and magnetic force microscopies. <i>Journal of Applied Physics</i> , <b>2001</b> , 90, 5220-5227	2.5	40
18	Performance of bulk SiC radiation detectors. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2002</b> , 487, 33-39	1.2	30
17	Re-evaluation of the mechanical loss factor of hydroxide-catalysis bonds and its significance for the next generation of gravitational wave detectors. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>2010</b> , 374, 3993-3998	2.3	25
16	Strength testing and SEM imaging of hydroxide-catalysis bonds between silicon. <i>Classical and Quantum Gravity</i> , <b>2009</b> , 26, 175007	3.3	21

15	Sample preparation for nanoanalytical electron microscopy using the FIB lift-out method and low energy ion milling. <i>Journal of Physics: Conference Series</i> , <b>2006</b> , 26, 223-226	0.3	14
14	Low-temperature strength tests and SEM imaging of hydroxide catalysis bonds in silicon. <i>Classical and Quantum Gravity</i> , <b>2011</b> , 28, 085014	3.3	12
13	Dependence of anisotropy and damping on shape and aspect ratio in micron sized Ni81Fe19 elements. <i>Journal of Applied Physics</i> , <b>2004</b> , 95, 6998-7000	2.5	12
12	Electrostatic charging artefacts in Lorentz electron tomography of MFM tip stray fields. <i>Journal Physics D: Applied Physics</i> , <b>2001</b> , 34, 1326-1332	3	10
11	GdGaO: A gate dielectric for GaAs metal-oxide-semiconductor field-effect transistors. <i>Journal of Vacuum Science &amp; Technology B</i> , <b>2007</b> , 25, 1024		8
10	Probing bulk and surface damage in widegap semiconductors. <i>Journal Physics D: Applied Physics</i> , <b>2001</b> , 34, 2748-2753	3	8
9	Characterisation of FeBSiC coated MFM tips using Lorentz electron tomography and MFM. <i>IEEE Transactions on Magnetics</i> , <b>1999</b> , 35, 3986-3988	2	7
8	Dependence of spatial coherence of coherent suppression of magnetization precession upon aspect ratio in Ni81Fe19 microdots. <i>Journal of Applied Physics</i> , <b>2005</b> , 97, 10A710	2.5	6
7	Preparation and characterisation of a new amorphous tip coating for application in magnetic force microscopy. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1999</b> , 205, 131-135	2.8	6
6	Use of microscale coplanar striplines with indium tin oxide windows in optical ferromagnetic resonance measurements. <i>Journal of Applied Physics</i> , <b>2005</b> , 97, 10R304	2.5	4
5	Elemental Profiling of III-V MOSFET High-kDielectric Gate Stacks Using EELS Spectrum Imaging. <i>Springer Proceedings in Physics</i> , <b>2008</b> , 317-320	0.2	4
4	Near-Simultaneous Core- and Low-Loss EELS Spectrum-Imaging in the STEM using a Fast Beam Switch.. <i>Microscopy and Microanalysis</i> , <b>2006</b> , 12, 1362-1363	0.5	2
3	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA <b>2018</b> , 21, 1		2
2	EFTEM and EELS SI: tools for investigating the effects of etching processes for III-V MOSFET devices. <i>Journal of Physics: Conference Series</i> , <b>2008</b> , 126, 012053	0.3	1
1	A new pixel sensor for uniformity control in ion implantation. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2003</b> , 206, 462-466	1.2	