Gerard J Verbiest

List of Publications by Year
in descending order

25	478	759233 12	677142 22
papers	citations	h-index	g-index

28	28	28	721
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Optical Sensing of Chlorophyll(in) With Dual-Spectrum Si LEDs in SOI-CMOS Technology. IEEE Sensors Journal, 2022, 22, 11280-11289.	4.7	3
2	Self-Sealing Complex Oxide Resonators. Nano Letters, 2022, 22, 1475-1482.	9.1	10
3	Tunable coupling of two mechanical resonators by a graphene membrane. 2D Materials, 2021, 8, 035039.	4.4	8
4	Acoustic subsurface-atomic force microscopy: Three-dimensional imaging at the nanoscale. Journal of Applied Physics, 2021, 129, .	2.5	16
5	Phonon scattering at kinks in suspended graphene. Physical Review B, 2020, 101, .	3.2	5
6	Nonequilibrium thermodynamics of acoustic phonons in suspended graphene. Physical Review Research, 2020, 2, .	3.6	13
7	Nanoelectromechanical Sensors Based on Suspended 2D Materials. Research, 2020, 2020, 8748602.	5.7	93
8	Optical absorption sensing with dual-spectrum silicon LEDs in SOI-CMOS technology. , 2020, , .		1
9	Engineering Tunable Strain Fields in Suspended Graphene by Microelectromechanical Systems. , 2019, , .		0
10	Integrated impedance bridge for absolute capacitance measurements at cryogenic temperatures and finite magnetic fields. Review of Scientific Instruments, 2019, 90, 084706.	1.3	3
11	Tailoring Mechanically Tunable Strain Fields in Graphene. Nano Letters, 2018, 18, 1707-1713.	9.1	58
12	Fabrication of comb-drive actuators for straining nanostructured suspended graphene. Nanotechnology, 2018, 29, 375301.	2.6	11
13	Detecting Ultrasound Vibrations with Graphene Resonators. Nano Letters, 2018, 18, 5132-5137.	9.1	36
14	Subsurface contrast due to friction in heterodyne force microscopy. Nanotechnology, 2017, 28, 085704.	2.6	10
15	Tunable mechanical coupling between driven microelectromechanical resonators. Applied Physics Letters, 2016, 109, .	3.3	15
16	Resonance frequencies of AFM cantilevers in contact with a surface. Ultramicroscopy, 2016, 171, 70-76.	1.9	23
17	Interplay between nanometer-scale strain variations and externally applied strain in graphene. Physical Review B, 2016, 93, .	3.2	8
18	Uniformity of the pseudomagnetic field in strained graphene. Physical Review B, 2015, 92, .	3.2	35

#	Article	IF	Citations
19	Beating beats mixing in heterodyne detection schemes. Nature Communications, 2015, 6, 6444.	12.8	37
20	A subsurface add-on for standard atomic force microscopes. Review of Scientific Instruments, 2015, 86, 033704.	1.3	8
21	Cantilever dynamics in heterodyne force microscopy. Ultramicroscopy, 2013, 135, 113-120.	1.9	14
22	Subsurface-AFM: sensitivity to the heterodyne signal. Nanotechnology, 2013, 24, 365701.	2.6	26
23	Subsurface atomic force microscopy: towards a quantitative understanding. Nanotechnology, 2012, 23, 145704.	2.6	26
24	High speed collision and reconnection of Abelian Higgs strings in the deep type-II regime. Physical Review D, 2011, 84, .	4.7	9
25	Higher Order Intercommutations in Cosmic String Collisions. Physical Review Letters, 2010, 105, 021601.	7.8	8