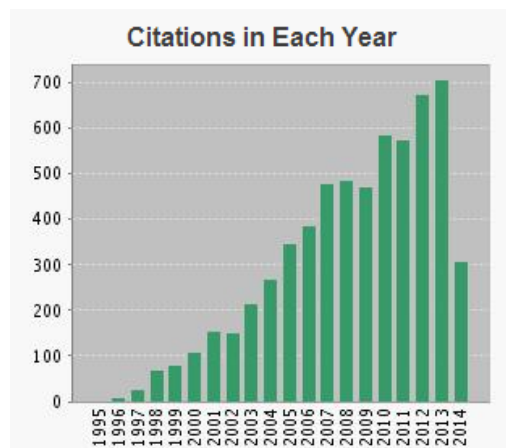
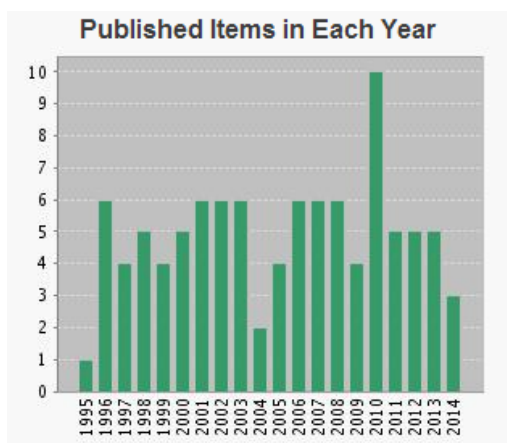


FORCETOOL GROUP Statistics

(January 1st, 1994- August 31st, 2014)



Results found: 100

Sum of the Times Cited [?] : 6106

Sum of Times Cited without self-citations [?] : 5645

Citing Articles [?] : 3603

Citing Articles without self-citations [?] : 3517

Average Citations per Item [?] : 61.06

h-index [?] : 41

TOP 25 MOST CITED ARTICLES

	Article	Times cited
1	R. Garcia, R. Perez, Dynamic atomic force microscopy methods, <i>Surf. Sci. Rep.</i> 47 , 197-301 (2002).	866
2	J. Tamayo, R. García, Deformation, time contact and phase contrast in tapping mode scanning force microscopy, <i>Langmuir</i> 12 , 4430-4435 (1996)	321
3	R. Garcia, A. San Paulo, Attractive and repulsive tip-sample interaction regimes in tapping-mode AFM, <i>Phys. Rev. B</i> 60 , 4961 (1999).	301
4	J.E. Villegas, S. Savel'ev, F. Nori, E.M. González, J.V. Anguita, R. García, J.L. Vicent. A superconducting reversible rectifier that controls the motion of magnetic flux quanta, <i>Science</i> 302 , 1188 (2003)	266
5	R. Garcia, R.V. Martínez, J. Martínez, Nanochemistry and scanning probe nanolithographies, <i>Chemical Society Reviews</i> 35 , 29 (2006).	207
6	Javier Tamayo and Ricardo García, Effects of elastic and inelastic interactions on phase contrast images in tapping-mode scanning force microscopy, <i>Applied Physics Letters</i> 71 , 2394 (1997).	178
7	Ricardo García, Montserrat Calleja and Heinrich Rohrer, Patterning of silicon surfaces by non-contact atomic force microscopy: field-induced formation of nanometer-size water bridges, <i>J. Appl. Phys.</i> 86 , 1898 (1999).	169
8	J. Tamayo and R. García Relationship between phase shift and energy dissipation in tapping-mode scanning force microscopy, <i>Appl. Phys. Lett.</i> 73 , 2926 (1998).	163
9	A. San Paulo, R. Garcia, High-resolution imaging of antibodies by tapping-mode atomic force microscopy: attractive and repulsive tip-sample interaction regimes, <i>Biophys. J.</i> 78 , 1599 (2000) 133	152
10	R. Garcia, R. Magerle, R. Perez, Nanoscale imaging with gentle forces, <i>Nature Materials</i> 6 , 405-411 (2007).	146
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12	T.R. Rodríguez, R. Garcia, Compositional mapping of surfaces in atomic force microscopy by excitation of the second normal mode of the microcantilever, <i>Appl. Phys. Lett.</i> 84 , 449-451 (2004)	123
13	T.R. Rodríguez and R. Garcia, Tip motion in amplitude modulation (tapping-mode) atomic force microscopy: Comparison between continuous and point-mass models, <i>Appl. Phys. Lett.</i> 80 , 1646 (2002).	119
14	Ricardo Garcia and Alvaro San Paulo, Dynamics of a vibrating cantilever near or in intermittent contact with a surface, <i>Physical Review B</i> 61 , R13381 (2000).	119
15	L. González, J.M. García, R. García, J. Martínez-Pastor, C. Ballesteros, F. Briones, Influence of buffer-layer surface morphology on the self-organized growth of InAs on InP(100) nanostructures, <i>Appl. Phys. Lett.</i> 76 , 1104 (2000).	119
16	R. Garcia, C.J. Gomez, N.F. Martinez, S. Patil, C. Dietz, R. Magerle, Identification of nanoscale dissipation processes by dynamic atomic force microscopy, <i>Phys. Rev. Lett.</i> 97 , 016103 (2006)	116
17	Alvaro San Paulo and Ricardo García, Unifying theory of tapping mode AFM, <i>Physical Review B</i> 66 , 041406 (R) (2002).	115
18	J.G. Goetz, S. Minguet, I. Navarro-Lerida, J.J. Lazcano, R. Samaniego, E. Calvo, M. Tello, T. Osteso-Ibáñez, T. Pellinen, A. Echarri, A. Cerezo, A. J.P. Klein-Szanto, R. Garcia, P. J. Keely, P. Sanchez-Mateos, E. Cukierman, M.A. Del Pozo, Biomechanical remodeling of the microenvironment by stromal caveolin-1 favors tumor invasion and metastasis, <i>Cell</i> 146 , 148-163 (2011).	109
19	A. San Paulo, R. Garcia, Tip-surface forces, amplitude, and energy dissipation in amplitude-modulation (tapping mode) force microscopy, <i>Phys. Rev. B</i> 64 , 193411 (2001).	104
20	C. Tromas, J. Rojo, J.M. de la Fuente, A.G. Barrientos, R. García and S. Penadés, Adhesion forces between Lewis X determinant antigen measured by atomic force microscopy, <i>Angew. Chem. Int. Ed.</i> 40 , 3052 (2001).	85
21	M. Tello, R. Garcia, Nano-oxidation of silicon surfaces: Comparison of noncontact and contact atomic-force microscopy methods, <i>Appl. Phys. Lett.</i> 79 , 424-426 (2001).	88
22	J.R. Lozano and R. Garcia, Theory of multifrequency AFM, <i>Phys. Rev. Lett.</i> 100 , 076102 (2008)	86
23	R. Garcia and E.T. Herruzo, The emergence of multifrequency AFM, <i>Nature Nanotechnology</i> 7 , 217-226 (2012)	81
24	S. Gómez-Moñivas, J.J. Sáenz, M. Calleja and R. García, Field-induced formation of nanometer-size water bridges, <i>Physical Review Letters</i> 91 , 056101 (2003).	79
25	N.F. Martinez, S. Patil, J.R. Lozano and R. Garcia, Enhanced compositional sensitivity in atomic force microscopy by the excitation of the first two flexural modes, <i>Appl. Phys. Lett.</i> 89 , 153115 (2006).	76