

The Casimir force between real materials: Experiment a

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Casimir Force Between a Flat Plate and a Spherical Lens: Application to the Results of a New Experiment. <i>Modern Physics Letters A</i> , 1997, 12, 2613-2622.	0.5	63
2	Normal and lateral Casimir force: Advances and prospects. <i>Journal of Physics: Conference Series</i> , 2010, 258, 012001.	0.3	2
3	Modulation of the Casimir force by laser pulses: Influence of oxide films on the silicon surface. <i>Physics of the Solid State</i> , 2010, 52, 2033-2038.	0.2	1
4	On the validity of constraints on light elementary particles and extra-dimensional physics from the Casimir effect. <i>European Physical Journal C</i> , 2010, 68, 223-226.	1.4	22
5	Casimir pressure in a multilayer system with a fixed total length. <i>Physical Review A</i> , 2010, 82, .	1.0	3
6	Thermal Casimir effect for Drude metals in the plane-sphere geometry. <i>Physical Review A</i> , 2010, 82, .	1.0	64
7	Casimir Repulsion between Metallic Objects in Vacuum. <i>Physical Review Letters</i> , 2010, 105, 090403.	2.9	130
8	Induced fermionic current in toroidally compactified spacetimes with applications to cylindrical and toroidal nanotubes. <i>Physical Review D</i> , 2010, 82, .	1.6	51
9	s-wave scattering of a polarizable atom by an absorbing nanowire. <i>Physical Review A</i> , 2010, 81, .	1.0	5
10	Casimir-Polder interaction between an atom and an infinite boundary in a thermal bath. <i>Physical Review A</i> , 2010, 81, .	1.0	11
11	Dielectric properties of classical and quantized ionic fluids. <i>Physical Review E</i> , 2010, 81, 061114.	0.8	6
12	Casimir Force on a Surface with Shallow Nanoscale Corrugations: Geometry and Finite Conductivity Effects. <i>Physical Review Letters</i> , 2010, 105, 250402.	2.9	63
13	Modelling interaction of atoms and ions with graphene. <i>Micro and Nano Letters</i> , 2010, 5, 247.	0.6	40
14	Comparison of the experimental data for the Casimir pressure with the Lifshitz theory at zero temperature. <i>Physical Review B</i> , 2010, 81, .	1.1	7
15	Possibility of measuring the thermal Casimir interaction between a plate and a cylinder attached to a micromachined oscillator. <i>Physical Review A</i> , 2010, 82, .	1.0	16
16	Position-dependent energy-level shifts of an accelerated atom in the presence of a boundary. <i>Physical Review A</i> , 2010, 82, .	1.0	49
17	Possibility of measuring thermal effects in the Casimir force. <i>Physical Review A</i> , 2010, 82, .	1.0	19
18	Effect of the heterogeneity of metamaterials on the Casimir-Lifshitz interaction. <i>Physical Review A</i> , 2010, 82, .	1.0	6

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20	Thermal fluctuations of the electric field in the presence of carrier drift. <i>Physical Review B</i> , 2010, 82, .	1.1	14
21	Casimir piston of real materials and its application to multilayer models. <i>Physical Review A</i> , 2010, 81, .	1.0	18
22	Improved in situ spring constant calibration for colloidal probe atomic force microscopy. <i>Review of Scientific Instruments</i> , 2010, 81, 113703.	0.6	10
23	Influence of roughness on near-field heat transfer between two plates. <i>Physical Review B</i> , 2010, 82, .	1.1	35
24	Atom Diffraction Reveals the Impact of Atomic Core Electrons on Atom-Surface Potentials. <i>Physical Review Letters</i> , 2010, 105, 233202.	2.9	12
25	Casimir interaction between metal-dielectric metamaterial slabs: Attraction at all macroscopic distances. <i>Physical Review B</i> , 2010, 82, .	1.1	24
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67	The Casimir effect in microstructured geometries. <i>Nature Photonics</i> , 2011, 5, 211-221.	15.6	387
68	Influence of surface electronic structure on the Casimir force. <i>Solid State Communications</i> , 2011, 151, 1363-1366.	0.9	3
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82	Particle-wave discrimination in Poisson spot experiments. <i>New Journal of Physics</i> , 2011, 13, 065016.	1.2	25
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86	Casimir force between a microfabricated elliptic cylinder and a plate. <i>Physical Review A</i> , 2011, 84, .	1.0	11
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92	Electromagnetic Casimir forces of parabolic cylinder and knife-edge geometries. <i>Physical Review D</i> , 2011, 83, .	1.6	16
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94	Electromagnetic Casimir piston in higher-dimensional spacetimes. <i>Physical Review D</i> , 2011, 83, .	1.6	8
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97	OBSERVATION OF THE THERMAL CASIMIR FORCE IS OPEN TO QUESTION. <i>International Journal of Modern Physics A</i> , 2011, 26, 3918-3929.	0.5	32
98	CONTROL OF THE CASIMIR FORCE USING SEMICONDUCTOR TEST BODIES. <i>International Journal of Modern Physics B</i> , 2011, 25, 171-230.	1.0	47
99	DISPERSION INTERACTION OF ATOMS WITH SINGLE-WALLED CARBON NANOTUBES DESCRIBED BY THE DIRAC MODEL. <i>International Journal of Modern Physics A</i> , 2011, 26, 3958-3966.	0.5	3
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104	Exact thermodynamic Casimir forces for an interacting three-dimensional model system in film geometry with free surfaces. <i>Europhysics Letters</i> , 2012, 100, 10004.	0.7	27
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114	SCALAR CASIMIR EFFECT BETWEEN TWO CONCENTRIC SPHERES. <i>International Journal of Modern Physics A</i> , 2012, 27, 1250082.	0.5	5
115	MODE SUMMATION APPROACH TO CASIMIR EFFECT BETWEEN TWO OBJECTS. <i>International Journal of Modern Physics A</i> , 2012, 27, 1230021.	0.5	21
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117	SCALAR CASIMIR EFFECT BETWEEN TWO CONCENTRIC D-DIMENSIONAL SPHERES. <i>International Journal of Modern Physics A</i> , 2012, 27, 1250094.	0.5	1
118	OBSERVATION OF REDUCTION IN CASIMIR FORCE WITHOUT CHANGE OF DIELECTRIC PERMITTIVITY. <i>International Journal of Modern Physics A</i> , 2012, 27, 1260001.	0.5	12
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147	Thermal Casimir-Polder interaction of different atoms with graphene. <i>Physical Review A</i> , 2012, 86, .	1.0	86
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162	Casimir interaction between two magnetic metals in comparison with nonmagnetic test bodies. <i>Physical Review B</i> , 2013, 88, .	1.1	102

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