Kimball A Milton

List of Publications by Year
in descending order

251 papers	7,874 citations	61984 43 h-index	71685 76 g-index
256 all docs	256 docs citations	256 times ranked	2060 citing authors

#	Article	IF	Citations
1	Casimir effect in dielectrics. Annals of Physics, 1978, 115, 1-23.	2.8	452
2	The Casimir effect: recent controversies and progress. Journal of Physics A, 2004, 37, R209-R277.	1.6	390
3	A new perturbative approach to nonlinear problems. Journal of Mathematical Physics, 1989, 30, 1447-1455.	1.1	275
4	Casimir self-stress on a perfectly conducting spherical shell. Annals of Physics, 1978, 115, 388-403.	2.8	262
5	Scalar Casimir effect for aD-dimensional sphere. Physical Review D, 1994, 50, 6547-6555.	4.7	164
6	Theoretical and experimental status of magnetic monopoles. Reports on Progress in Physics, 2006, 69, 1637-1711.	20.1	154
7	Does the transverse electric zero mode contribute to the Casimir effect for a metal?. Physical Review E, 2003, 67, 056116.	2.1	144
8	Temperature dependence of the Casimir effect. Physical Review E, 2005, 71, 056101.	2.1	136
9	Semiclassical electron models: Casimir self-stress in dielectric and conducting balls. Annals of Physics, 1980, 127, 49-61.	2.8	133
10	Casimir self-stress on a perfectly conducting cylindrical shell. Annals of Physics, 1981, 136, 229-242.	2.8	130
11	Thermal corrections to the Casimir effect. New Journal of Physics, 2006, 8, 236-236.	2.9	110
12	Mode-by-mode summation for the zero point electromagnetic energy of an infinite cylinder. Physical Review D, 1999, 59, .	4.7	104
13	How does Casimir energy fall?. Physical Review D, 2007, 76, .	4.7	100
14	Identity of the van der Waals Force and the Casimir Effect and the Irrelevance of These Phenomena to Sonoluminescence. Physical Review Letters, 1999, 82, 3948-3951.	7.8	98
15	Analytic perturbation theory in QCD and Schwingerâ€™s connection between theÎ²function and the spectral density. Physical Review D, 1997, 55, 5295-5298.	4.7	96
16	Observability of the bulk Casimir effect: Can the dynamical Casimir effect be relevant to sonoluminescence?. Physical Review E, 1998, 57, 5504-5510.	2.1	90
17	Solution of Schwinger-Dyson equations forPT-symmetric quantum field theory. Physical Review D, 2000, 62, .	4.7	90
18	Multiple scattering methods in Casimir calculations. Journal of Physics A: Mathematical and Theoretical, 2008, 41, 155402.	2.1	90

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19	Novel perturbative scheme in quantum field theory. Physical Review D, 1988, 37, 1472-1484.	4.7	89
20	Nonperturbative calculation of symmetry breaking in quantum field theory. Physical Review D, 1997, 55, R3255-R3259.	4.7	89
21	Fermionic Casimir stress on a spherical bag. Annals of Physics, 1983, 150, 432-438.	2.8	88
22	Zero-point energy in bag models. Physical Review D, 1980, 22, 1441-1443.	4.7	86
23	Quantum (in)stability of a brane-world universe at nonzero temperature. Nuclear Physics B, 2001, 599, 305-318.	2.5	82
24	Logarithmic approximations to polynomial Lagrangians. Physical Review Letters, 1987, 58, 2615-2618.	7.8	81
25	Nonrelativistic dyon-dyon scattering. Annals of Physics, 1976, 101, 451-495.	2.8	78
26	Equivalence of a complexPT-symmetric quartic Hamiltonian and a Hermitian quartic Hamiltonian with an anomaly. Physical Review D, 2006, 74, .	4.7	75
27	Zero-point energy of confined fermions. Physical Review D, 1980, 22, 1444-1451.	4.7	71
28	Casimir energies and pressures for Â-function potentials. Journal of Physics A, 2004, 37, 6391-6406.	1.6	71
29	What is the temperature dependence of the Casimir effect?. Journal of Physics A, 2006, 39, 6031-6038.	1.6	71
30	Consistent Formulation of Fermions on a Minkowski Lattice. Physical Review Letters, 1983, 51, 1815-1818.	7.8	68
31	Model of supersymmetric quantum field theory with broken parity symmetry. Physical Review D, 1998, 57, 3595-3608.	4.7	68
32	Adler function for light quarks in analytic perturbation theory. Physical Review D, 2001, 64, .	4.7	67
33	-symmetric versus Hermitian formulations of quantum mechanics. Journal of Physics A, 2006, 39, 1657-1668.	1.6	58
34	Casimir energy for a purely dielectric cylinder by the mode summation method. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2005, 621, 309-317.	4.1	52
35	Casimir energy for a dielectric cylinder. Annals of Physics, 2005, 320, 108-134.	2.8	52
36	Scalar and spinor Casimir energies in even-dimensional Kaluza-Klein spaces of the formM4Ã—SN1Ã—SN2Ã—â‹…â‹…â‹…â‹…... Physical Review D, 1988, 38, 1809-1822.	4.7	50

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37	Casimir energy for a spherical cavity in a dielectric: Applications to sonoluminescence. Physical Review E, 1997, 55, 4207-4216.	2.1	49
38	Classical trajectories for complex Hamiltonians. Journal of Physics A, 2006, 39, 4219-4238.	1.6	48
39	Toward finite zero-point energies in the bag model. Physical Review D, 1983, 27, 439-443.	4.7	46
40	Discrete-time quantum mechanics. Physical Review D, 1985, 32, 1476-1485.	4.7	45
41	Vector Casimir effect for aD-dimensional sphere. Physical Review D, 1997, 55, 4940-4946.	4.7	45
42	Calculating Casimir energies in renormalizable quantum field theory. Physical Review D, 2003, 68, .	4.7	43
43	Exact Results for Casimir Interactions between Dielectric Bodies: The Weak-Coupling or van der Waals Limit. Physical Review Letters, 2008, 101, 160402.	7.8	43
44	Recent developments in the Casimir effect. Journal of Physics: Conference Series, 2009, 161, 012001.	0.4	43
45	The Reality of Casimir Friction. Symmetry, 2016, 8, 29.	2.2	43
46	A nonunitary version of massless quantum electrodynamics possessing a critical point. Journal of Physics A, 1999, 32, L87-L92.	1.6	42
47	Repulsive Casimir and Casimirâ€“Polder forces. Journal of Physics A: Mathematical and Theoretical, 2012, 45, 374006.	2.1	39
48	Analytic perturbation theory: A new approach to the analytic continuation of the strong coupling constantÎ±Sinto the timelike region. Physical Review D, 1998, 57, 5402-5409.	4.7	38
49	Noncontact gears. II. Casimir torque between concentric corrugated cylinders for the scalar case. Physical Review D, 2008, 78, .	4.7	38
50	Green's dyadic approach of the self-stress on a dielectricâ€“diamagnetic cylinder with non-uniform speed of light. Journal of Physics A, 2006, 39, 6225-6232.	1.6	37
51	Improved Experimental Limits on the Production of Magnetic Monopoles. Physical Review Letters, 2000, 85, 5292-5295.	7.8	36
52	Note on a Casimir energy calculation for a purely dielectric cylinder by mode summation. Journal of Physics A, 2006, 39, 6703-6710.	1.6	36
53	How does Casimir energy fall? II. Gravitational acceleration of quantum vacuum energy. Journal of Physics A: Mathematical and Theoretical, 2007, 40, 10935-10943.	2.1	36
54	Gauge invariance and the finite-element solution of the Schwinger model. Physical Review D, 1985, 31, 383-388.	4.7	34

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55	Grossâ€“Llewellyn Smith sum rule in the analytic approach to perturbative QCD. Physical Review D, 1999, 60, .	4.7	34
56	Resource Letter VWCPF-1: van der Waals and Casimirâ€“Polder forces. American Journal of Physics, 2011, 79, 697-711.	0.7	34
57	Electromagnetic semitransparent<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î´</mml:mi></mml:math>-function plate: Casimir interaction energy between parallel infinitesimally thin plates. Physical Review D, 2012, 86, .	4.7	34
58	Î´ expansion for local gauge theories. I. A one-dimensional model. Physical Review D, 1992, 45, 1248-1260.	4.7	33
59	Limits on production of magnetic monopoles utilizing samples from the D0 and CDF detectors at the Fermilab Tevatron. Physical Review D, 2004, 69, .	4.7	33
60	Can the QCD effective charge be symmetrical in the Euclidean and Minkowskian regions?. Physical Review D, 1999, 59, .	4.7	32
61	Dynamical Casimir effect and quantum cosmology. Physical Review D, 2000, 62, .	4.7	32
62	Exact expressions for the Casimir interaction between semitransparent spheres and cylinders. Physical Review D, 2008, 77, .	4.7	32
63	Noncontact gears. I. Next-to-leading order contribution to the lateral Casimir force between corrugated parallel plates. Physical Review D, 2008, 78, .	4.7	32
64	Casimir-Polder repulsion near edges: Wedge apex and a screen with an aperture. Physical Review A, 2011, 83, .	2.5	32
65	Local and global Casimir energies for a semitransparent cylindrical shell. Journal of Physics A: Mathematical and Theoretical, 2007, 40, 3607-3631.	2.1	31
66	Scalar Casimir energies inM4â‰¥Nfor evenN. Physical Review D, 1987, 35, 549-556.	4.7	30
67	AN ANALYTIC METHOD OF DESCRIBING R-RELATED QUANTITIES IN QCD. Modern Physics Letters A, 2006, 21, 1355-1368.	1.2	29
68	Feeling the heat. Nature Physics, 2011, 7, 190-191.	16.7	29
69	Entropy Bounds in RÃ—S3 Geometries. Annals of Physics, 2002, 302, 120-141.	2.8	28
70	Casimir effect for a semitransparent wedge and an annular piston. Physical Review D, 2009, 80, .	4.7	28
71	Nanowire atomchip traps for sub-micron atomâ€“surface distances. New Journal of Physics, 2010, 12, 023039.	2.9	28
72	Quark and gluon condensates in a bag model of the vacuum. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1981, 104, 49-54.	4.1	27

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73	A new perturbative approach to nonlinear partial differential equations. Journal of Mathematical Physics, 1991, 32, 3031-3038.	1.1	27
74	Hard and soft walls. Physical Review D, 2011, 84, .	4.7	27
75	CONSTRAINTS ON EXTRA DIMENSIONS FROM COSMOLOGICAL AND TERRESTRIAL MEASUREMENTS. Modern Physics Letters A, 2001, 16, 2281-2289.	1.2	26
76	Gravitational and inertial mass of Casimir energy. Journal of Physics A: Mathematical and Theoretical, 2008, 41, 164052.	2.1	26
77	Photon decay into neutrinos in a strong magnetic field. Physical Review D, 1976, 14, 3326-3334.	4.7	25
78	A new perturbative approximation applied to supersymmetric quantum field theory. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1988, 205, 493-498.	4.1	25
79	Dual quantum electrodynamics: Dyon-dyon and charge-monopole scattering in a high-energy approximation. Physical Review D, 2000, 61, .	4.7	25
80	Casimir energies of cylinders: Universal function. Physical Review D, 2010, 82, .	4.7	25
81	Analytical and numerical demonstration of how the Drude dispersive model satisfies Nernst's theorem for the Casimir entropy. Journal of Physics A: Mathematical and Theoretical, 2008, 41, 164017.	2.1	23
82	Quantum-electrodynamic corrections to the gravitational interaction of the photon. Physical Review D, 1977, 15, 2149-2155.	4.7	22
83	Confined Coulombic model for heavyâ€“light-quark systems. Physical Review D, 1985, 31, 1081-1090.	4.7	22
84	Maxwell-Chern-Simons Casimir effect. Physical Review D, 1990, 42, 2875-2880.	4.7	22
85	Casimir densities for a spherical boundary in de Sitter spacetime. Physical Review D, 2012, 85, .	4.7	22
86	Quantum-electrodynamic corrections to the gravitational interaction of the electron. Physical Review D, 1977, 15, 538-540.	4.7	21
87	Casimir energies inM4â‰¥Nfor evenN. Greenâ€™s-function and zeta-function techniques. Physical Review D, 1987, 36, 3712-3721.	4.7	21
88	New perturbative calculation of the fermion-boson mass ratio in a supersymmetric quantum field theory. Physical Review D, 1988, 38, 1310-1314.	4.7	21
89	Maxwell-Chern-Simons Casimir effect. II. Circular boundary conditions. Physical Review D, 1992, 46, 842-852.	4.7	21
90	How does Casimir energy fall? III. Inertial forces on vacuum energy. Journal of Physics A: Mathematical and Theoretical, 2008, 41, 164058.	2.1	21

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91	Casimir-Polder repulsion: Polarizable atoms, cylinders, spheres, and ellipsoids. Physical Review D, 2012, 85, .	4.7	21
92	Distance-Dependent Sign Reversal in the Casimir-Lifshitz Torque. Physical Review Letters, 2018, 120, 131601.	7.8	21
93	Direct and Indirect Searches for Low-Mass Magnetic Monopoles. Foundations of Physics, 2000, 30, 543-565.	1.3	20
94	RELATIVISTIC COULOMB RESUMMATION IN QCD. Modern Physics Letters A, 2001, 16, 2213-2219.	1.2	20
95	Vacuum stress and closed paths in rectangles, pistons and pistols. Journal of Physics A: Mathematical and Theoretical, 2009, 42, 155402.	2.1	19
96	Quantum electromagnetic stress tensor in an inhomogeneous medium. Physical Review D, 2018, 97, .	4.7	19
97	Compton Scattering. II. Differential Cross Sections and Left - Right Asymmetry. Physical Review D, 1972, 6, 1428-1438.	4.7	18
98	Resonance interpretation of the decay ofÏˆâ€²(3.7)intoÏˆ(3.1). Physical Review D, 1975, 12, 2617-2619.	4.7	18
99	Derivation of the Lifshitz-Matsubara sum formula for the Casimir pressure between metallic plane mirrors. Physical Review E, 2014, 90, 042125.	2.1	18
100	Approximate determination of the mass gap in quantum field theory using the method of finite elements. Physical Review D, 1986, 34, 3149-3155.	4.7	17
101	Design of a biased Stark trap of molecules that move adiabatically in an electric field. Physical Review A, 2003, 67, .	2.5	17
102	Anomalies in PT-Symmetric Quantum Field Theory. European Physical Journal D, 2004, 54, 85-91.	0.4	17
103	Temperature correction to Casimir-Lifshitz free energy at low temperatures: Semiconductors. Physical Review E, 2008, 78, 021117.	2.1	17
104	Stress tensor for a scalar field in a spatially varying background potential: Divergences, â€œrenormalizationâ€, anomalies, and Casimir forces. Physical Review D, 2016, 93, .	4.7	17
105	Compton Scattering. I. Spectral Forms for the Invariant Amplitudes to Ordere4. Physical Review D, 1972, 6, 1411-1427.	4.7	16
106	Compton scattering in external magnetic fields. II. Spin-1/2 charged particles. Physical Review D, 1974, 10, 1299-1309.	4.7	16
107	Vacuum stressâ€“energy density and its gravitational implications. Journal of Physics A: Mathematical and Theoretical, 2008, 41, 164055.	2.1	16
108	Negative entropies in Casimir and Casimirâ€Polder interactions. Fortschritte Der Physik, 2017, 65, 1600047.	4.4	16

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109	Theî´expansion for stochastic quantization. Physical Review D, 1989, 39, 3684-3689.	4.7	15
110	Bulk versus brane running couplings. Physical Review D, 2002, 65, .	4.7	15
111	Local Casimir energies for a thin spherical shell. Physical Review D, 2006, 73, .	4.7	15
112	Electromagnetic <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î´</mml:mi></mml:math> -function sphere. Physical Review D, 2017, 96, .	4.7	15
113	Compton scattering in external magnetic fields: Spin-zero charged particles. Physical Review D, 1974, 9, 1041-1053.	4.7	14
114	Quantum roll: A study of the long-time behavior of the finite-element method. Physical Review D, 1985, 32, 2056-2060.	4.7	14
115	Casimir energy, dispersion, and the Lifshitz formula. Physical Review D, 2010, 81, .	4.7	14
116	Geometric origin of negative Casimir entropies: A scattering-channel analysis. Physical Review E, 2015, 91, 033203.	2.1	14
117	Casimir forces in inhomogeneous media: Renormalization and the principle of virtual work. Physical Review D, 2019, 99, .	4.7	14
118	Local and Global Casimir Energies: Divergences, Renormalization, and the Coupling to Gravity. Lecture Notes in Physics, 2011, , 39-95.	0.7	14
119	Quantum Corrections to Stress Tensors and Conformal Invariance. Physical Review D, 1971, 4, 3579-3593.	4.7	13
120	Verification of virtual Compton-scattering sum rules in quantum electrodynamics. Physical Review D, 1975, 11, 3537-3540.	4.7	13
121	Comment on â€œCasimir energy for spherical boundariesâ€• Physical Review D, 2001, 64, .	4.7	13
122	Casimir energies: Temperature dependence, dispersion, and anomalies. Physical Review E, 2008, 78, 011124.	2.1	13
123	Electrodynamic Casimir effect in a medium-filled wedge. II. Physical Review E, 2009, 80, 021125.	2.1	13
124	Anisotropic contribution to the van der Waals and the Casimir-Polder energies for<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mtext>CO</mml:mtext><mml:mn>2</mml:mn></mml:msub> xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mtext>CH</mml:mtext><mml:mn>4</mml:mn></mml:msub> near surfaces and thin films. Physical Review A, 2015, 92, .	2.5	13
125	Casimir friction between polarizable particle and half-space with radiation damping at zero temperature. Journal of Physics A: Mathematical and Theoretical, 2015, 48, 365004.	2.1	13
126	Second-Order Radiative Corrections to the Triangle Anomaly. I. Physical Review D, 1972, 6, 1766-1780.	4.7	12

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127	Sixth-order electrongfactor: Mass-operator approach. I. Physical Review D, 1974, 9, 1809-1813.	4.7	12
128	Heavy-Neutrino Emission. Physical Review Letters, 1985, 55, 2225-2225.	7.8	12
129	Surface divergences and boundary energies in the Casimir effect. Journal of Physics A, 2006, 39, 6543-6550.	1.6	12
130	Electrodynamic Casimir effect in a medium-filled wedge. Physical Review E, 2009, 79, 041120.	2.1	12
131	Multiple scattering Casimir force calculations: Layered and corrugated materials, wedges, and Casimirâ€“Polder forces. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2010, 28, C4A8-C4A16.	1.2	12
132	TheÎ´expansion and local gauge invariance. Physical Review D, 1989, 40, 1354-1355.	4.7	11
133	Î´ expansion for a quantum field theory in the nonperturbative regime. Journal of Mathematical Physics, 1990, 31, 2722-2725.	1.1	11
134	Î´ expansion applied to quantum electrodynamics. Physical Review D, 1992, 45, 639-653.	4.7	11
135	Three-body effects in Casimir-Polder repulsion. Physical Review A, 2015, 91, .	2.5	11
136	Negative Casimir entropies in nanoparticle interactions. Journal of Physics Condensed Matter, 2015, 27, 214003.	1.8	11
137	Renormalization for a Scalar Field in an External Scalar Potential. Symmetry, 2018, 10, 54.	2.2	11
138	Sixth-order electrongfactor: Mass-operator approach. II. Physical Review D, 1974, 9, 1814-1817.	4.7	10
139	Remark on the perturbative component of inclusiveÏ„decay. Physical Review D, 2002, 65, .	4.7	10
140	THEORETICAL AND EXPERIMENTAL STATUS OF MAGNETIC MONOPOLES. International Journal of Modern Physics A, 2002, 17, 732-747.	1.5	10
141	Lifshitz interaction can promote ice growth at water-silica interfaces. Physical Review B, 2017, 95, .	3.2	10
142	Casimir self-entropy of a spherical electromagnetic Î´-function shell. Physical Review D, 2017, 96, .	4.7	10
143	Radiative Corrections for Electron Scattering in an External Fieldâ€”A New Method of Calculation. Physical Review D, 1972, 5, 358-376.	4.7	9
144	Strong anomaly andÎ·â†'3Ï€decay. Physical Review D, 1980, 22, 1124-1127.	4.7	9

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145	Î´expansion for local gauge theories. ii. Nonperturbative calculation of the anomaly in the Schwinger model. Physical Review D, 1992, 45, 1261-1275.	4.7	9
146	ENERGY DENSITY AND PRESSURE IN POWER-WALL MODELS. International Journal of Modern Physics A, 2012, 27, 1260009.	1.5	9
147	Thermal issues in Casimir forces between conductors and semiconductors. Physica Scripta, 2012, T151, 014070.	2.5	9
148	Casimir self-entropy of an electromagnetic thin sheet. Physical Review D, 2016, 94, .	4.7	9
149	Energetics of quantum vacuum friction: Field fluctuations. Physical Review D, 2021, 104, .	4.7	9
150	Scalar- and matter-dominated cosmologies in Schwinger's scalar-tensor theory of gravity. Physical Review D, 1974, 10, 420-428.	4.7	8
151	Vector anomaly and the magnetic and quadrupole moments of theWboson. Physical Review D, 1975, 12, 3972-3977.	4.7	8
152	Pseudoscalar decay constants andÎ·â†’3Ï€in chiral and1Nperturbation theory. Physical Review D, 1980, 22, 1647-1651.	4.7	8
153	Continued fraction as a discrete nonlinear transform. Journal of Mathematical Physics, 1994, 35, 364-367.	1.1	8
154	Weak coupling Casimir energies for finite plate configurations. Journal of Physics: Conference Series, 2009, 161, 012022.	0.4	8
155	Investigations of the torque anomaly in an annular sector. I. Global calculations, scalar case. Physical Review D, 2013, 88, .	4.7	8
156	Vector anomaly and the magnetic moment of theWboson. Physical Review D, 1974, 9, 2847-2850.	4.7	7
157	Spectral forms for the photon propagation function and the Gell-Mann-Low function. Physical Review D, 1974, 10, 4247-4251.	4.7	7
158	Constructive approach to supergravity. General Relativity and Gravitation, 1980, 12, 67-81.	2.0	7
159	Chiral Ward identities for the pseudoscalar mesons including the gluonic bound stateG(1440). Physical Review D, 1983, 27, 202-207.	4.7	7
160	Limits on Ï„ composite structure from polarized Z0 decay. Physical Review D, 1984, 30, 245-247.	4.7	7
161	Discrete-time quantum mechanics. II. Systems with several degrees of freedom. Physical Review D, 1986, 33, 1692-1700.	4.7	7
162	Non-Abelian gauge theory on a finite-element lattice. Physical Review D, 1990, 41, 1261-1268.	4.7	7

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163	Triviality of monomial Higgs potentials. Nuclear Physics B, 1990, 329, 574-582.	2.5	7
164	Low temperature Casimir-Lifshitz free energy and entropy: The case of poor conductors. Journal of Physics: Conference Series, 2009, 161, 012010.	0.4	7
165	Casimir effect at nonzero temperature for wedges and cylinders. Physical Review D, 2010, 81, .	4.7	7
166	Self-stress on a dielectric ball and Casimirâ€“Polder forces. Annals of Physics, 2020, 412, 168008.	2.8	7
167	Role of zero point energy in promoting ice formation in a spherical drop of water. Physical Review Research, 2019, 1, .	3.6	7
168	Resonance-model description of the decayÏˆ(3.1)â†’Ï€+Ï€âˆ’Î³. Physical Review D, 1975, 12, 2620-2622.	4.7	6
169	Finite-element quantum electrodynamics: Canonical formulation, unitarity, and the magnetic moment of the electron. Physical Review D, 1992, 46, 806-813.	4.7	6
170	ELECTROMAGNETIC CASIMIR EFFECT IN WEDGE GEOMETRY AND THE ENERGY-MOMENTUM TENSOR IN MEDIA. International Journal of Modern Physics A, 2010, 25, 2270-2278.	1.5	6
171	REPULSIVE CASIMIR EFFECTS. International Journal of Modern Physics A, 2012, 27, 1260014.	1.5	6
172	Scalar Casimir energies of tetrahedra and prisms. Journal of Physics A: Mathematical and Theoretical, 2012, 45, 425401.	2.1	6
173	Remarks on the Casimir self-entropy of a spherical electromagnetic <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î¶</mml:mi></mml:math> -function shell. Physical Review D, 2019, 99, .	4.7	6
174	Self-force on moving electric and magnetic dipoles: Dipole radiation, Vavilov-ÄŒerenkov radiation, friction with a conducting surface, and the Einstein-Hopf effect. Physical Review Research, 2020, 2, .	3.6	6
175	Premelting and formation of ice due to Casimir-Lifshitz interactions: Impact of improved parameterization for materials. Physical Review B, 2022, 105, .	3.2	6
176	Scale Invariance and Spectral Forms for Conformal Stress Tensors. Physical Review D, 1973, 7, 1120-1133.	4.7	5
177	Chromostatics of two-quark systems. Physical Review D, 1982, 25, 1718-1723.	4.7	5
178	Improved limits on the mass of the tau neutrino. Zeitschrift FÃ¼r Physik C-Particles and Fields, 1986, 32, 517-520.	1.5	5
179	Discrete-time quantum mechanics. III. Spin systems. Physical Review D, 1987, 35, 3081-3091.	4.7	5
180	Finite-element lattice Hamiltonian matrix elements: Anharmonic oscillators. Letters in Mathematical Physics, 1996, 36, 177-187.	1.1	5

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181	Different viewpoints of the Casimir effect. Physics Today, 2007, 60, 8-8.	0.3	5
182	In Appreciation Julian Schwinger: From Nuclear Physics and Quantum Electrodynamics to Source Theory and Beyond. Physics in Perspective, 2007, 9, 70-114.	0.7	5
183	Investigations of the torque anomaly in an annular sector. II. Global calculations, electromagnetic case. Physical Review D, 2013, 88, .	4.7	5
184	PT -symmetric quantum electrodynamics and unitarity. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2013, 371, 20120057.	3.4	5
185	Presence of negative entropies in Casimir interactions. Physical Review A, 2016, 94, .	2.5	5
186	Electrodynamic friction of a charged particle passing a conducting plate. Physical Review Research, 2020, 2, .	3.6	5
187	Strings and gauge invariance. Journal of Mathematical Physics, 1978, 19, 375-382.	1.1	4
188	Schwinger model on a finite-element lattice. Physical Review D, 1988, 37, 1603-1607.	4.7	4
189	Absence of species doubling in finite-element quantum electrodynamics. Letters in Mathematical Physics, 1995, 34, 285-295.	1.1	4
190	PERTURBATIVE EXPANSIONS IN THE INCLUSIVE DECAY OF THE TAU-LEPTON. International Journal of Modern Physics A, 2002, 17, 3789-3808.	1.5	4
191	Lifshitz-Matsubara sum formula for the Casimir pressure between magnetic metallic mirrors. Physical Review E, 2016, 93, 022108.	2.1	4
192	Casimir Energies for Isorefractive or Diaphanous Balls. Symmetry, 2018, 10, 68.	2.2	4
193	Effect of excess charge carriers and fluid medium on the magnitude and sign of the Casimir-Lifshitz torque. Physical Review B, 2019, 100, .	3.2	4
194	Casimir Physics and Applications. Symmetry, 2019, 11, 201.	2.2	4
195	Negativity of the Casimir Self-Entropy in Spherical Geometries. Entropy, 2021, 23, 214.	2.2	4
196	Casimirâ€“Polder forces in inhomogeneous backgrounds. Journal of the Optical Society of America B: Optical Physics, 2019, 36, C41.	2.1	4
197	Weak-Boson Triangle Anomalies. Physical Review D, 1973, 8, 1887-1890.	4.7	3
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