

# Kimball A Milton

## List of Publications by Year in descending order

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251  
papers

7,874  
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71685

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256  
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256  
docs citations

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times ranked

2060  
citing authors

#	ARTICLE	IF	CITATIONS
1	Premelting and formation of ice due to Casimir-Lifshitz interactions: Impact of improved parameterization for materials. <i>Physical Review B</i> , 2022, 105, .	3.2	6
2	Negativity of the Casimir Self-Entropy in Spherical Geometries. <i>Entropy</i> , 2021, 23, 214.	2.2	4
3	Energetics of quantum vacuum friction: Field fluctuations. <i>Physical Review D</i> , 2021, 104, .	4.7	9
4	Self-stress on a dielectric ball and Casimir-Polder forces. <i>Annals of Physics</i> , 2020, 412, 168008.	2.8	7
5	Electrodynamic friction of a charged particle passing a conducting plate. <i>Physical Review Research</i> , 2020, 2, .	3.6	5
6	Self-force on moving electric and magnetic dipoles: Dipole radiation, Vavilov-Cherenkov radiation, friction with a conducting surface, and the Einstein-Hopf effect. <i>Physical Review Research</i> , 2020, 2, .	3.6	6
7	Casimir forces in inhomogeneous media: Renormalization and the principle of virtual work. <i>Physical Review D</i> , 2019, 99, .	4.7	14
8	Effect of excess charge carriers and fluid medium on the magnitude and sign of the Casimir-Lifshitz torque. <i>Physical Review B</i> , 2019, 100, .	3.2	4
9	Casimir Physics and Applications. <i>Symmetry</i> , 2019, 11, 201.	2.2	4
10	Remarks on the Casimir self-entropy of a spherical electromagnetic $\hat{\rho}$ -function shell. <i>Physical Review D</i> , 2019, 99, .	4.7	6
11	Role of zero point energy in promoting ice formation in a spherical drop of water. <i>Physical Review Research</i> , 2019, 1, .	3.6	7
12	Casimir-Polder forces in inhomogeneous backgrounds. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2019, 36, C41.	2.1	4
13	Speeches by V. F. Weisskopf, J. H. Van Vleck, I. I. Rabi, M. Hamermesh, B. T. Feld, R. P. Feynman, and D. Saxon, given in honor of Julian Schwinger at his 60th birthday. , 2019, , .		0
14	My years with Julian Schwinger: From source theory through sonoluminescence. , 2019, , .		0
15	Distance-Dependent Sign Reversal in the Casimir-Lifshitz Torque. <i>Physical Review Letters</i> , 2018, 120, 131601.	7.8	21
16	Quantum electromagnetic stress tensor in an inhomogeneous medium. <i>Physical Review D</i> , 2018, 97, .	4.7	19
17	Dual Symmetry: Magnetic Monopoles in Theory and Experiment. <i>Proceedings (mdpi)</i> , 2018, 2, .	0.2	0
18	Introduction-Symmetry 2017. <i>Proceedings (mdpi)</i> , 2018, 2, .	0.2	0

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19	Renormalization for a Scalar Field in an External Scalar Potential. <i>Symmetry</i> , 2018, 10, 54.	2.2	11
20	Casimir Energies for Isorefractive or Diaphanous Balls. <i>Symmetry</i> , 2018, 10, 68.	2.2	4
21	On-chip Casimir effect. <i>Nature Photonics</i> , 2017, 11, 73-74.	31.4	1
22	Negative entropies in Casimir and Casimir-Polder interactions. <i>Fortschritte Der Physik</i> , 2017, 65, 1600047.	4.4	16
23	Lifshitz interaction can promote ice growth at water-silica interfaces. <i>Physical Review B</i> , 2017, 95, .	3.2	10
24	Casimir self-entropy of a spherical electromagnetic $\hat{\Gamma}$ -function shell. <i>Physical Review D</i> , 2017, 96, .	4.7	10
25	Electromagnetic $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mi} \rangle \hat{\Gamma} \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -function sphere. <i>Physical Review D</i> , 2017, 96, .	4.7	15
26	The Reality of Casimir Friction. <i>Symmetry</i> , 2016, 8, 29.	2.2	43
27	Reply to "Comment on "Lifshitz-Matsubara sum formula for the Casimir pressure between magnetic metallic mirrors" $\hat{\Gamma}$ ", <i>Physical Review E</i> , 2016, 94, 026102.	2.1	1
28	Presence of negative entropies in Casimir interactions. <i>Physical Review A</i> , 2016, 94, .	2.5	5
29	Stress tensor for a scalar field in a spatially varying background potential: Divergences, renormalization, anomalies, and Casimir forces. <i>Physical Review D</i> , 2016, 93, .	4.7	17
30	Lifshitz-Matsubara sum formula for the Casimir pressure between magnetic metallic mirrors. <i>Physical Review E</i> , 2016, 93, 022108.	2.1	4
31	Casimir self-entropy of an electromagnetic thin sheet. <i>Physical Review D</i> , 2016, 94, .	4.7	9
32	Anisotropic contribution to the van der Waals and the Casimir-Polder energies for $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \langle \text{mml:msub} \rangle \langle \text{mml:mtext} \rangle \text{CO} \langle \text{mml:mtext} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \langle \text{mml:msub} \rangle \langle \text{mml:mtext} \rangle \text{CH} \langle \text{mml:mtext} \rangle \langle \text{mml:mn} \rangle 4 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle$ near surfaces and thin films. <i>Physical Review A</i> , 2015, 92, .	2.9	13
33	Casimir friction between polarizable particle and half-space with radiation damping at zero temperature. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2015, 48, 365004.	2.1	13
34	Geometric origin of negative Casimir entropies: A scattering-channel analysis. <i>Physical Review E</i> , 2015, 91, 033203.	2.1	14
35	Three-body effects in Casimir-Polder repulsion. <i>Physical Review A</i> , 2015, 91, .	2.5	11
36	Negative Casimir entropies in nanoparticle interactions. <i>Journal of Physics Condensed Matter</i> , 2015, 27, 214003.	1.8	11

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37	Derivation of the Lifshitz-Matsubara sum formula for the Casimir pressure between metallic plane mirrors. <i>Physical Review E</i> , 2014, 90, 042125.	2.1	18
38	Investigations of the torque anomaly in an annular sector. I. Global calculations, scalar case. <i>Physical Review D</i> , 2013, 88, .	4.7	8
39	Investigations of the torque anomaly in an annular sector. II. Global calculations, electromagnetic case. <i>Physical Review D</i> , 2013, 88, .	4.7	5
40	PT -symmetric quantum electrodynamics and unitarity. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2013, 371, 20120057.	3.4	5
41	REPULSIVE CASIMIR EFFECTS. <i>International Journal of Modern Physics A</i> , 2012, 27, 1260014.	1.5	6
42	ENERGY DENSITY AND PRESSURE IN POWER-WALL MODELS. <i>International Journal of Modern Physics A</i> , 2012, 27, 1260009.	1.5	9
43	Repulsive Casimir and Casimir-Polder forces. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2012, 45, 374006.	2.1	39
44	Thermal issues in Casimir forces between conductors and semiconductors. <i>Physica Scripta</i> , 2012, T151, 014070.	2.5	9
45	SCALAR CASIMIR ENERGIES OF TETRAHEDRA. <i>International Journal of Modern Physics Conference Series</i> , 2012, 14, 230-239.	0.7	1
46	REPULSIVE CASIMIR EFFECTS. <i>International Journal of Modern Physics Conference Series</i> , 2012, 14, 181-199.	0.7	3
47	ENERGY DENSITY AND PRESSURE IN POWER-WALL MODELS. <i>International Journal of Modern Physics Conference Series</i> , 2012, 14, 115-126.	0.7	2
48	Scalar Casimir energies of tetrahedra and prisms. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2012, 45, 425401.	2.1	6
49	Casimir densities for a spherical boundary in de Sitter spacetime. <i>Physical Review D</i> , 2012, 85, .	4.7	22
50	Electromagnetic semitransparent $\delta$ -function plate: Casimir interaction energy between parallel infinitesimally thin plates. <i>Physical Review D</i> , 2012, 86, .	4.7	34
51	Casimir-Polder repulsion: Polarizable atoms, cylinders, spheres, and ellipsoids. <i>Physical Review D</i> , 2012, 85, .	4.7	21
52	Casimir-Polder repulsion near edges: Wedge apex and a screen with an aperture. <i>Physical Review A</i> , 2011, 83, .	2.5	32
53	Feeling the heat. <i>Nature Physics</i> , 2011, 7, 190-191.	16.7	29
54	Resource Letter VWCPF-1: van der Waals and Casimir-Polder forces. <i>American Journal of Physics</i> , 2011, 79, 697-711.	0.7	34

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55	“ $P$ -Symmetric Quantum Electrodynamics” QED. International Journal of Theoretical Physics, 2011, 50, 963-973.	1.2	1
56	Hard and soft walls. Physical Review D, 2011, 84, .	4.7	27
57	Multiple Scattering: Dispersion, Temperature Dependence, and Annular Pistons. Springer Proceedings in Physics, 2011, , 99-113.	0.2	1
58	Local and Global Casimir Energies: Divergences, Renormalization, and the Coupling to Gravity. Lecture Notes in Physics, 2011, , 39-95.	0.7	14
59	Casimir energy, dispersion, and the Lifshitz formula. Physical Review D, 2010, 81, .	4.7	14
60	Multiple scattering Casimir force calculations: Layered and corrugated materials, wedges, and Casimir “Polder forces. Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics, 2010, 28, C4A8-C4A16.	1.2	12
61	Nanowire atomchip traps for sub-micron atom “surface distances. New Journal of Physics, 2010, 12, 023039.	2.9	28
62	Casimir energies of cylinders: Universal function. Physical Review D, 2010, 82, .	4.7	25
63	Casimir effect at nonzero temperature for wedges and cylinders. Physical Review D, 2010, 81, .	4.7	7
64	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
65	SCALAR CASIMIR ENERGIES FOR SEPARABLE COORDINATE SYSTEMS: APPLICATION TO SEMI-TRANSPARENT PLANES IN AN ANNULUS. , 2010, , .		0
66	ELECTROMAGNETIC CASIMIR EFFECT IN WEDGE GEOMETRY AND THE ENERGY-MOMENTUM TENSOR IN MEDIA. , 2010, , .		0
67	ELECTROMAGNETIC NON-CONTACT GEARS: PRELUDE. , 2010, , .		1
68	Electrodynamic Casimir effect in a medium-filled wedge. Physical Review E, 2009, 79, 041120.	2.1	12
69	Electrodynamic Casimir effect in a medium-filled wedge. II. Physical Review E, 2009, 80, 021125.	2.1	13
70	Casimir effect for a semitransparent wedge and an annular piston. Physical Review D, 2009, 80, .	4.7	28
71	LEADING- AND NEXT-TO-LEADING-ORDER LATERAL CASIMIR FORCE ON CORRUGATED SURFACES. International Journal of Modern Physics A, 2009, 24, 1757-1763.	1.5	3
72	Recent developments in the Casimir effect. Journal of Physics: Conference Series, 2009, 161, 012001.	0.4	43

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73	Vacuum stress and closed paths in rectangles, pistons and pistols. Journal of Physics A: Mathematical and Theoretical, 2009, 42, 155402.	2.1	19
74	Lateral Casimir forces on parallel plates and concentric cylinders with corrugations. Journal of Physics: Conference Series, 2009, 161, 012008.	0.4	0
75	Low temperature Casimir-Lifshitz free energy and entropy: The case of poor conductors. Journal of Physics: Conference Series, 2009, 161, 012010.	0.4	7
76	On Schwinger and QED. Physics Today, 2009, 62, 10-10.	0.3	0
77	Weak coupling Casimir energies for finite plate configurations. Journal of Physics: Conference Series, 2009, 161, 012022.	0.4	8
78	Noncontact gears. II. Casimir torque between concentric corrugated cylinders for the scalar case. Physical Review D, 2008, 78, .	4.7	38
79	Exact expressions for the Casimir interaction between semitransparent spheres and cylinders. Physical Review D, 2008, 77, .	4.7	32
80	How does Casimir energy fall? III. Inertial forces on vacuum energy. Journal of Physics A: Mathematical and Theoretical, 2008, 41, 164058.	2.1	21
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	Multiple scattering methods in Casimir calculations. Journal of Physics A: Mathematical and Theoretical, 2008, 41, 155402.	2.1	90
83	Gravitational and inertial mass of Casimir energy. Journal of Physics A: Mathematical and Theoretical, 2008, 41, 164052.	2.1	26
84	Vacuum stress as energy density and its gravitational implications. Journal of Physics A: Mathematical and Theoretical, 2008, 41, 164055.	2.1	16
85	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
86	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
87	Temperature correction to Casimir-Lifshitz free energy at low temperatures: Semiconductors. Physical Review E, 2008, 78, 021117.	2.1	17
88	Casimir energies: Temperature dependence, dispersion, and anomalies. Physical Review E, 2008, 78, 011124.	2.1	13
89	LOCAL AND GLOBAL CASIMIR ENERGIES IN A GREEN'S FUNCTION APPROACH. , 2008, , .		0
90	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

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91	Local and global Casimir energies for a semitransparent cylindrical shell. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2007, 40, 3607-3631.	2.1	31
92	Different viewpoints of the Casimir effect. <i>Physics Today</i> , 2007, 60, 8-8.	0.3	5
93	How does Casimir energy fall?. <i>Physical Review D</i> , 2007, 76, .	4.7	100
94	In Appreciation Julian Schwinger: From Nuclear Physics and Quantum Electrodynamics to Source Theory and Beyond. <i>Physics in Perspective</i> , 2007, 9, 70-114.	0.7	5
95	Local Casimir energies for a thin spherical shell. <i>Physical Review D</i> , 2006, 73, .	4.7	15
96	Theoretical and experimental status of magnetic monopoles. <i>Reports on Progress in Physics</i> , 2006, 69, 1637-1711.	20.1	154
97	Equivalence of a complexPT-symmetric quartic Hamiltonian and a Hermitian quartic Hamiltonian with an anomaly. <i>Physical Review D</i> , 2006, 74, .	4.7	75
98	Surface divergences and boundary energies in the Casimir effect. <i>Journal of Physics A</i> , 2006, 39, 6543-6550.	1.6	12
99	Classical trajectories for complex Hamiltonians. <i>Journal of Physics A</i> , 2006, 39, 4219-4238.	1.6	48
100	What is the temperature dependence of the Casimir effect?. <i>Journal of Physics A</i> , 2006, 39, 6031-6038.	1.6	71
101	Green's dyadic approach of the self-stress on a dielectricâ€“diamagnetic cylinder with non-uniform speed of light. <i>Journal of Physics A</i> , 2006, 39, 6225-6232.	1.6	37
102	Note on a Casimir energy calculation for a purely dielectric cylinder by mode summation. <i>Journal of Physics A</i> , 2006, 39, 6703-6710.	1.6	36
103	Thermal corrections to the Casimir effect. <i>New Journal of Physics</i> , 2006, 8, 236-236.	2.9	110
104	-symmetric versus Hermitian formulations of quantum mechanics. <i>Journal of Physics A</i> , 2006, 39, 1657-1668.	1.6	58
105	AN ANALYTIC METHOD OF DESCRIBING R-RELATED QUANTITIES IN QCD. <i>Modern Physics Letters A</i> , 2006, 21, 1355-1368.	1.2	29
106	FINITE CASIMIR ENERGIES IN RENORMALIZABLE QUANTUM FIELD THEORY. , 2006, , .		1
107	Casimir energy for a purely dielectric cylinder by the mode summation method. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2005, 621, 309-317.	4.1	52
108	Casimir energy for a dielectric cylinder. <i>Annals of Physics</i> , 2005, 320, 108-134.	2.8	52

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109	Temperature dependence of the Casimir effect. <i>Physical Review E</i> , 2005, 71, 056101.	2.1	136
110	Recent Developments in Quantum Vacuum Energy for Confined Fields. <i>International Journal of Modern Physics A</i> , 2005, 20, 4628-4637.	1.5	2
111	Limits on production of magnetic monopoles utilizing samples from the D0 and CDF detectors at the Fermilab Tevatron. <i>Physical Review D</i> , 2004, 69, .	4.7	33
112	Casimir energies and pressures for $\hat{A}$ -function potentials. <i>Journal of Physics A</i> , 2004, 37, 6391-6406.	1.6	71
113	Anomalies in PT-Symmetric Quantum Field Theory. <i>European Physical Journal D</i> , 2004, 54, 85-91.	0.4	17
114	The Casimir effect: recent controversies and progress. <i>Journal of Physics A</i> , 2004, 37, R209-R277.	1.6	390
115	PT-Symmetric Quantum Field Theory. <i>European Physical Journal D</i> , 2003, 53, 1069-1072.	0.4	1
116	Calculating Casimir energies in renormalizable quantum field theory. <i>Physical Review D</i> , 2003, 68, .	4.7	43
117	Design of a biased Stark trap of molecules that move adiabatically in an electric field. <i>Physical Review A</i> , 2003, 67, .	2.5	17
118	Does the transverse electric zero mode contribute to the Casimir effect for a metal?. <i>Physical Review E</i> , 2003, 67, 056116.	2.1	144
119	Julian Schwinger's Paradoxical Legacy. <i>Physics Today</i> , 2003, 56, 15-16.	0.3	1
120	More Than Texts Need Reform in Middle Schools. <i>Physics Today</i> , 2003, 56, 12-12.	0.3	0
121	Remark on the perturbative component of inclusive $\tau$ -decay. <i>Physical Review D</i> , 2002, 65, .	4.7	10
122	Bulk versus brane running couplings. <i>Physical Review D</i> , 2002, 65, .	4.7	15
123	THEORETICAL AND EXPERIMENTAL STATUS OF MAGNETIC MONOPOLES. <i>International Journal of Modern Physics A</i> , 2002, 17, 732-747.	1.5	10
124	PERTURBATIVE EXPANSIONS IN THE INCLUSIVE DECAY OF THE TAU-LEPTON. <i>International Journal of Modern Physics A</i> , 2002, 17, 3789-3808.	1.5	4
125	Entropy Bounds in $R^2-S^3$ Geometries. <i>Annals of Physics</i> , 2002, 302, 120-141.	2.8	28
126	Quantum (in)stability of a brane-world universe at nonzero temperature. <i>Nuclear Physics B</i> , 2001, 599, 305-318.	2.5	82



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127	RELATIVISTIC COULOMB RESUMMATION IN QCD. Modern Physics Letters A, 2001, 16, 2213-2219.	1.2	20
128	CONSTRAINTS ON EXTRA DIMENSIONS FROM COSMOLOGICAL AND TERRESTRIAL MEASUREMENTS. Modern Physics Letters A, 2001, 16, 2281-2289.	1.2	26
129	Comment on "Casimir energy for spherical boundaries" Physical Review D, 2001, 64, .	4.7	13
130	Adler function for light quarks in analytic perturbation theory. Physical Review D, 2001, 64, .	4.7	67
131	Direct and Indirect Searches for Low-Mass Magnetic Monopoles. Foundations of Physics, 2000, 30, 543-565.	1.3	20
132	Nonrelativistic Dyon-Dyon Scattering. World Scientific Series in 20th Century Physics, 2000, , 550-594.	0.0	0
133	Casimir Effect in Dielectrics. World Scientific Series in 20th Century Physics, 2000, , 676-698.	0.0	0
134	Improved Experimental Limits on the Production of Magnetic Monopoles. Physical Review Letters, 2000, 85, 5292-5295.	7.8	36
135	Dual quantum electrodynamics: Dyon-dyon and charge-monopole scattering in a high-energy approximation. Physical Review D, 2000, 61, .	4.7	25
136	Dynamical Casimir effect and quantum cosmology. Physical Review D, 2000, 62, .	4.7	32
137	Solution of Schwinger-Dyson equations for PT-symmetric quantum field theory. Physical Review D, 2000, 62, .	4.7	90
138	A nonunitary version of massless quantum electrodynamics possessing a critical point. Journal of Physics A, 1999, 32, L87-L92.	1.6	42
139	Mode-by-mode summation for the zero point electromagnetic energy of an infinite cylinder. Physical Review D, 1999, 59, .	4.7	104
140	Gross-Llewellyn Smith sum rule in the analytic approach to perturbative QCD. Physical Review D, 1999, 60, .	4.7	34
141	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
142	Can the QCD effective charge be symmetrical in the Euclidean and Minkowskian regions?. Physical Review D, 1999, 59, .	4.7	32
143	The Young Julian Schwinger. IV. During the Second World War. Foundations of Physics, 1999, 29, 967-1010.	1.3	0
144	The Young Julian Schwinger. II. Julian Schwinger at Columbia University. Foundations of Physics, 1999, 29, 787-817.	1.3	0

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145	The Young Julian Schwinger. V. Winding Up at the Radiation Lab, Going to Harvard, and Marriage. Foundations of Physics, 1999, 29, 1119-1162.	1.3	0
146	The Young Julian Schwinger. III. Schwinger Goes to Berkeley. Foundations of Physics, 1999, 29, 931-966.	1.3	0
147	The Young Julian Schwinger. I. A New York City Childhood. Foundations of Physics, 1999, 29, 767-786.	1.3	2
148	Model of supersymmetric quantum field theory with broken parity symmetry. Physical Review D, 1998, 57, 3595-3608.	4.7	68
149	Analytic perturbation theory: A new approach to the analytic continuation of the strong coupling constant $\pm i\epsilon$ to the timelike region. Physical Review D, 1998, 57, 5402-5409.	4.7	38
150	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
151	Analytic perturbation theory in QCD and Schwinger's connection between the $\hat{\Gamma}^2$ function and the spectral density. Physical Review D, 1997, 55, 5295-5298.	4.7	96
152	Vector Casimir effect for a $d$ -dimensional sphere. Physical Review D, 1997, 55, 4940-4946.	4.7	45
153	Casimir energy for a spherical cavity in a dielectric: Applications to sonoluminescence. Physical Review E, 1997, 55, 4207-4216.	2.1	49
154	Nonperturbative calculation of symmetry breaking in quantum field theory. Physical Review D, 1997, 55, R3255-R3259.	4.7	89
155	Schwinger Credited with Finding Anomaly, Exploring Cold Fusion. Physics Today, 1997, 50, 114-115.	0.3	0
156	Finite-element quantum field theory. Nuclear Physics, Section B, Proceedings Supplements, 1997, 53, 847-849.	0.4	0
157	Finite-element lattice Hamiltonian matrix elements: Anharmonic oscillators. Letters in Mathematical Physics, 1996, 36, 177-187.	1.1	5
158	Quasilocal formulation of non-Abelian finite-element gauge theory. Physical Review D, 1996, 53, 5898-5905.	4.7	1
159	Casimir Energy for a Spherical Cavity in a Dielectric: Toward a Model for Sonoluminescence?. Teubner-Texte Zur Physik, 1996, , 13-23.	3.0	2
160	Absence of species doubling in finite-element quantum electrodynamics. Letters in Mathematical Physics, 1995, 34, 285-295.	1.1	4
161	Non-Abelian finite-element gauge theory. Nuclear Physics B, 1995, 452, 401-414.	2.5	2
162	Scalar Casimir effect for a $d$ -dimensional sphere. Physical Review D, 1994, 50, 6547-6555.	4.7	164

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163	Continued fraction as a discrete nonlinear transform. Journal of Mathematical Physics, 1994, 35, 364-367.	1.1	8
164	$\hat{\Gamma}$ expansion applied to quantum electrodynamics. Physical Review D, 1992, 45, 639-653.	4.7	11
165	Finite-element quantum electrodynamics: Canonical formulation, unitarity, and the magnetic moment of the electron. Physical Review D, 1992, 46, 806-813.	4.7	6
166	Maxwell-Chern-Simons Casimir effect. II. Circular boundary conditions. Physical Review D, 1992, 46, 842-852.	4.7	21
167	$\hat{\Gamma}$ 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
168	$\hat{\Gamma}$ expansion for local gauge theories. I. A one-dimensional model. Physical Review D, 1992, 45, 1248-1260.	4.7	33
169	A new perturbative approach to nonlinear partial differential equations. Journal of Mathematical Physics, 1991, 32, 3031-3038.	1.1	27
170	BEYOND THE STANDARD MODEL II. , 1991, , .		0
171	Non-Abelian gauge theory on a finite-element lattice. Physical Review D, 1990, 41, 1261-1268.	4.7	7
172	Maxwell-Chern-Simons Casimir effect. Physical Review D, 1990, 42, 2875-2880.	4.7	22
173	$\hat{\Gamma}$ expansion for a quantum field theory in the nonperturbative regime. Journal of Mathematical Physics, 1990, 31, 2722-2725.	1.1	11
174	Triviality of monomial Higgs potentials. Nuclear Physics B, 1990, 329, 574-582.	2.5	7
175	The $\hat{\Gamma}$ expansion for stochastic quantization. Physical Review D, 1989, 39, 3684-3689.	4.7	15
176	The $\hat{\Gamma}$ expansion and local gauge invariance. Physical Review D, 1989, 40, 1354-1355.	4.7	11
177	A new perturbative approach to nonlinear problems. Journal of Mathematical Physics, 1989, 30, 1447-1455.	1.1	275
178	The delta expansion in zero dimensions. Journal of Mathematical Physics, 1989, 30, 2143-2150.	1.1	3
179	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
180	Novel perturbative scheme in quantum field theory. Physical Review D, 1988, 37, 1472-1484.	4.7	89

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