

Christof Wetterich

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

324 papers	16,791 citations	60 h-index	120 g-index
329 ext. papers	18,031 ext. citations	3.8 avg, IF	7.27 L-index

#	Paper	IF	Citations
324	Asymptotic freedom and safety in quantum gravity. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5.4	0
323	The Quantum Gravity Connection between Inflation and Quintessence. <i>Galaxies</i> , 2022 , 10, 50	2	2
322	Quantum fermions from classical bits.. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2022 , 380, 20210066	3	1
321	Early dark energy in the pre- and postrecombination epochs. <i>Physical Review D</i> , 2021 , 104,	4.9	4
320	Cosmology from pregeometry. <i>Physical Review D</i> , 2021 , 104,	4.9	1
319	Primordial flat frame: A new view on inflation. <i>Physical Review D</i> , 2021 , 104,	4.9	2
318	Dimensional crossover in ultracold Fermi gases from functional renormalization. <i>Physical Review A</i> , 2021 , 103,	2.6	1
317	The great emptiness at the beginning of the Universe. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2021 , 818, 136355	4.2	3
316	Neutrino masses, vacuum stability and quantum gravity prediction for the mass of the top quark. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	5
315	Probabilistic cellular automata for interacting fermionic quantum field theories. <i>Nuclear Physics B</i> , 2021 , 963, 115296	2.8	4
314	Effective Scalar Potential in Asymptotically Safe Quantum Gravity. <i>Universe</i> , 2021 , 7, 45	2.5	8
313	Fundamental scale invariance. <i>Nuclear Physics B</i> , 2021 , 964, 115326	2.8	3
312	Crossing the Big Bang singularity. <i>Physics of the Dark Universe</i> , 2021 , 33, 100866	4.4	0
311	Pregeometry and euclidean quantum gravity. <i>Nuclear Physics B</i> , 2021 , 971, 115526	2.8	2
310	Non-perturbative unitarity and fictitious ghosts in quantum gravity. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020 , 811, 135911	4.2	19
309	Predictive power of grand unification from quantum gravity. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	9
308	Could the black hole singularity be a field singularity?. <i>International Journal of Modern Physics D</i> , 2020 , 29, 2050026	2.2	10

307	Partial bosonization for the two-dimensional Hubbard model. <i>Physical Review B</i> , 2020 , 101,	3.3	7
306	Primordial dark matter halos from fifth forces. <i>Physical Review D</i> , 2019 , 100,	4.9	16
305	Quantum computing with classical bits. <i>Nuclear Physics B</i> , 2019 , 948, 114776	2.8	3
304	Higgs scalar potential in asymptotically safe quantum gravity. <i>Physical Review D</i> , 2019 , 99,	4.9	38
303	Eine neue Sicht auf das alte Universum 2019 , 43-52		
302	Variable Planck mass from the gauge invariant flow equation. <i>Physical Review D</i> , 2019 , 100,	4.9	22
301	Primordial black holes from fifth forces. <i>Physical Review D</i> , 2018 , 97,	4.9	20
300	Quantum formalism for classical statistics. <i>Annals of Physics</i> , 2018 , 393, 1-70	2.5	4
299	Information transport in classical statistical systems. <i>Nuclear Physics B</i> , 2018 , 927, 35-96	2.8	3
298	Infrared limit of quantum gravity. <i>Physical Review D</i> , 2018 , 98,	4.9	14
297	Gauge-invariant fields and flow equations for Yang-Mills theories. <i>Nuclear Physics B</i> , 2018 , 934, 265-316	2.8	20
296	Gauge-invariant flow equation. <i>Nuclear Physics B</i> , 2018 , 931, 262-282	2.8	18
295	Quantum-gravity predictions for the fine-structure constant. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 782, 198-201	4.2	26
294	Gauge symmetry from decoupling. <i>Nuclear Physics B</i> , 2017 , 915, 135-167	2.8	18
293	Fermions as generalized Ising models. <i>Nuclear Physics B</i> , 2017 , 917, 241-271	2.8	3
292	Scaling solutions for dilaton quantum gravity. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 769, 105-110	4.2	40
291	Graviton fluctuations erase the cosmological constant. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 773, 6-19	4.2	37
290	Emergent scale symmetry: Connecting inflation and dark energy. <i>Physical Review D</i> , 2017 , 96,	4.9	53

289	Gauge hierarchy problem in asymptotically safe gravity – The resurgence mechanism. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 770, 268-271	4.2	42
288	Quantum correlations for the metric. <i>Physical Review D</i> , 2017 , 95,	4.9	13
287	Dimensional crossover of nonrelativistic bosons. <i>Physical Review A</i> , 2016 , 93,	2.6	17
286	Nonlinear growing neutrino cosmology. <i>Physical Review D</i> , 2016 , 93,	4.9	7
285	Dynamics of neutrino lumps in growing neutrino quintessence. <i>Physical Review D</i> , 2016 , 94,	4.9	12
284	Can observations look back to the beginning of inflation?. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 754, 109-113	4.2	8
283	Primordial cosmic fluctuations for variable gravity. <i>Journal of Cosmology and Astroparticle Physics</i> , 2016 , 2016, 041-041	6.4	12
282	Inflation, quintessence, and the origin of mass. <i>Nuclear Physics B</i> , 2015 , 897, 111-178	2.8	43
281	Backreaction in growing neutrino quintessence. <i>Physical Review D</i> , 2015 , 91,	4.9	5
280	Cosmic fluctuations from a quantum effective action. <i>Physical Review D</i> , 2015 , 92,	4.9	14
279	Sarma phase in relativistic and non-relativistic systems. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 742, 86-93	4.2	13
278	Phase structure of spin-imbalanced unitary Fermi gases. <i>Physical Review A</i> , 2015 , 91,	2.6	30
277	Modified Gravity and Coupled Quintessence. <i>Lecture Notes in Physics</i> , 2015 , 57-95	0.8	10
276	Critical temperature and superfluid gap of the unitary Fermi gas from functional renormalization. <i>Physical Review A</i> , 2014 , 89,	2.6	22
275	Isotropization from color field condensate in heavy ion collisions. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	2
274	Linear lattice gauge theory. <i>Nuclear Physics B</i> , 2014 , 884, 44-65	2.8	1
273	Hot big bang or slow freeze?. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 736, 506-514	4.2	17
272	Variable gravity Universe. <i>Physical Review D</i> , 2014 , 89,	4.9	65

271	Eternal Universe. <i>Physical Review D</i> , 2014 , 90,	4.9	25
270	Small scale structures in coupled scalar field dark matter. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 738, 418-423	4.2	9
269	Dilaton quantum gravity. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 727, 298-302	4.2	52
268	Cosmon inflation. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 726, 15-22	4.2	22
267	Error estimates and specification parameters for functional renormalization. <i>Annals of Physics</i> , 2013 , 334, 83-99	2.5	10
266	Scalar lattice gauge theory. <i>Nuclear Physics B</i> , 2013 , 876, 147-186	2.8	3
265	Universe without expansion. <i>Physics of the Dark Universe</i> , 2013 , 2, 184-187	4.4	34
264	Tan contact and universal high momentum behavior of the fermion propagator in the BCS-BEC crossover. <i>Physical Review A</i> , 2013 , 87,	2.6	13
263	Emergent gravity in two dimensions. <i>Nuclear Physics B</i> , 2013 , 867, 290-329	2.8	3
262	How early is early dark energy?. <i>Physical Review D</i> , 2013 , 87,	4.9	65
261	Spinor Gravity and Diffeomorphism Invariance on the Lattice. <i>Lecture Notes in Physics</i> , 2013 , 67-92	0.8	1
260	Neutrino lump fluid in growing neutrino quintessence. <i>Physical Review D</i> , 2013 , 87,	4.9	15
259	Zwitters: Particles between quantum and classical. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2012 , 376, 706-712	2.3	4
258	Theoretical constraints on new generations with and without quarks or neutrinos. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 706, 320-328	4.2	4
257	Universality of geometry. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 712, 126-131	4.2	6
256	Quantum Particles from Classical Probabilities in Phase Space. <i>International Journal of Theoretical Physics</i> , 2012 , 51, 3236-3273	1.1	1
255	Probabilistic Time. <i>Foundations of Physics</i> , 2012 , 42, 1384-1443	1.2	6
254	Geometry and symmetries in lattice spinor gravity. <i>Annals of Physics</i> , 2012 , 327, 2184-2244	2.5	6

253	Chemical freeze-out in heavy ion collisions at large baryon densities. <i>Nuclear Physics A</i> , 2012 , 890-891, 11-24	1.3	26
252	Where to look for solving the gauge hierarchy problem?. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 718, 573-576	4.2	23
251	Structure formation and backreaction in growing neutrino quintessence. <i>Physical Review D</i> , 2012 , 85,	4.9	19
250	Lattice diffeomorphism invariance. <i>Physical Review D</i> , 2012 , 85,	4.9	8
249	Quantum fermions and quantum field theory from classical statistics. <i>Journal of Physics: Conference Series</i> , 2012 , 361, 012031	0.3	
248	Coupled dark energy and dark matter from dilatation anomaly. <i>Physical Review D</i> , 2011 , 84,	4.9	14
247	Spinors in euclidean field theory, complex structures and discrete symmetries. <i>Nuclear Physics B</i> , 2011 , 852, 174-234	2.8	26
246	Oscillating non-linear large-scale structures in growing neutrino quintessence. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011 , 418, 214-229	4.3	21
245	Lattice spinor gravity. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 704, 612-619	4.2	10
244	Quantum phase transition in Bose-Fermi mixtures. <i>Physical Review A</i> , 2011 , 84,	2.6	23
243	Classical probabilities for Majorana and Weyl spinors. <i>Annals of Physics</i> , 2011 , 326, 2243-2293	2.5	5
242	Nonlinear matter spectra in growing neutrino quintessence. <i>Journal of Cosmology and Astroparticle Physics</i> , 2011 , 2011, 049-049	6.4	13
241	Hydrodynamic collective modes for cold trapped gases. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2011 , 44, 235301	1.3	5
240	Mass freezing in growing neutrino quintessence. <i>Physical Review D</i> , 2011 , 83,	4.9	14
239	Functional renormalization for spontaneous symmetry breaking in the Hubbard model. <i>Physical Review B</i> , 2011 , 83,	3.3	35
238	Very large scale structures in growing neutrino quintessence. <i>Physical Review D</i> , 2010 , 81,	4.9	31
237	Four-point vertex in the Hubbard model and partial bosonization. <i>Physical Review B</i> , 2010 , 81,	3.3	23
236	Warping with dilatation symmetry and self-tuning of the cosmological constant. <i>Physical Review D</i> , 2010 , 81,	4.9	7

235	Too few spots in the cosmic microwave background. <i>Physical Review D</i> , 2010 , 81,	4.9	13
234	Cosmological constant and higher dimensional dilatation symmetry. <i>Physical Review D</i> , 2010 , 81,	4.9	9
233	Asymptotically free four-fermion interactions and electroweak symmetry breaking. <i>Physical Review D</i> , 2010 , 81,	4.9	3
232	Neutrino lumps and the cosmic microwave background. <i>Physical Review D</i> , 2010 , 82,	4.9	28
231	Modified Fermi sphere, pairing gap, and critical temperature for the BCS-BEC crossover. <i>Physical Review A</i> , 2010 , 81,	2.6	26
230	Quantum entanglement and interference from classical statistics 2010 ,		5
229	Quantum mechanics from classical statistics. <i>Annals of Physics</i> , 2010 , 325, 852-898	2.5	25
228	Fermions from classical statistics. <i>Annals of Physics</i> , 2010 , 325, 2750-2786	2.5	9
227	Quantum particles from classical statistics. <i>Annalen Der Physik</i> , 2010 , 522, 807-848	2.6	11
226	Probabilistic observables, conditional correlations, and quantum physics. <i>Annalen Der Physik</i> , 2010 , 522, 467-519	2.6	9
225	Functional renormalization group approach to the BCS-BEC crossover. <i>Annalen Der Physik</i> , 2010 , 522, n/a-n/a	2.6	15
224	Asymptotic safety of gravity and the Higgs boson mass. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2010 , 683, 196-200	4.2	251
223	Quantum particles from coarse grained classical probabilities in phase space. <i>Annals of Physics</i> , 2010 , 325, 1359-1389	2.5	13
222	Generation of d-wave coupling in the two-dimensional Hubbard model from functional renormalization. <i>Physical Review B</i> , 2009 , 79,	3.3	16
221	Efimov effect from functional renormalization. <i>Physical Review A</i> , 2009 , 79,	2.6	38
220	Superfluid Bose gas in two dimensions. <i>Physical Review A</i> , 2009 , 79,	2.6	28
219	Incommensurate antiferromagnetic fluctuations in the two-dimensional Hubbard model. <i>Physical Review B</i> , 2009 , 80,	3.3	11
218	Dilatation symmetry in higher dimensions and the vanishing of the cosmological constant. <i>Physical Review Letters</i> , 2009 , 102, 141303	7.4	18

217	Functional renormalization for trion formation in ultracold fermion gases. <i>Physical Review A</i> , 2009 , 79,	2.6	37
216	Nonperturbative thermodynamics of an interacting Bose gas. <i>Physical Review A</i> , 2009 , 79,	2.6	18
215	Three-body loss in lithium from functional renormalization. <i>Physical Review A</i> , 2009 , 79,	2.6	26
214	Time variation of fundamental couplings and dynamical dark energy. <i>Journal of Cosmology and Astroparticle Physics</i> , 2009 , 2009, 038-038	6.4	15
213	Clustering in growing neutrino cosmologies 2009 ,		7
212	Exact flow equation for composite operators. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2009 , 680, 371-376	4.2	67
211	Competing bounds on the present-day time variation of fundamental constants. <i>Physical Review D</i> , 2009 , 79,	4.9	10
210	Emergence of quantum mechanics from classical statistics. <i>Journal of Physics: Conference Series</i> , 2009 , 174, 012008	0.3	18
209	Unifying cosmological and recent time variations of fundamental couplings. <i>Physical Review D</i> , 2008 , 78,	4.9	22
208	Occupation numbers from functional integral. <i>Nuclear Physics B</i> , 2008 , 802, 368-404	2.8	1
207	Functional renormalization for quantum phase transitions with nonrelativistic bosons. <i>Physical Review B</i> , 2008 , 77,	3.3	47
206	Quintessence cosmologies with a growing matter component. <i>Physical Review D</i> , 2008 , 78,	4.9	130
205	Naturalness of exponential cosmon potentials and the cosmological constant problem. <i>Physical Review D</i> , 2008 , 77,	4.9	29
204	Big bang nucleosynthesis as a probe of fundamental constants□ <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2008 , 35, 014005	2.9	5
203	CHIRAL TENSOR FIELDS AND SPONTANEOUS BREAKING OF LORENTZ SYMMETRY. <i>International Journal of Modern Physics A</i> , 2008 , 23, 4345-4359	1.2	3
202	QUANTIZATION OF CHIRAL ANTISYMMETRIC TENSOR FIELDS. <i>International Journal of Modern Physics A</i> , 2008 , 23, 1545-1579	1.2	4
201	CHIRAL FREEDOM AND THE SCALE OF WEAK INTERACTIONS. <i>Modern Physics Letters A</i> , 2008 , 23, 677-684,	4.3	4
200	Constraints for warped branes. <i>Physical Review D</i> , 2008 , 78,	4.9	6

199	Particle-hole fluctuations in BCS-BEC crossover. <i>Physical Review B</i> , 2008 , 78,	3.3	51
198	Functional renormalization for Bose-Einstein condensation. <i>Physical Review A</i> , 2008 , 77,	2.6	43
197	Cosmon lumps and horizonless black holes. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2008 , 663, 21-25	4.2	10
196	Neutrino clustering in growing neutrino quintessence. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2008 , 663, 160-164	4.2	65
195	Neutrino lumps in quintessence cosmology. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2008 , 665, 131-134	4.2	21
194	Primordial nucleosynthesis as a probe of fundamental physics parameters. <i>Physical Review D</i> , 2007 , 76,	4.9	54
193	Renormalization flow and universality for ultracold fermionic atoms. <i>Physical Review A</i> , 2007 , 76,	2.6	45
192	Flow equations for the BCS-BEC crossover. <i>Physical Review A</i> , 2007 , 76,	2.6	77
191	Impact of three years of data from the Wilkinson Microwave Anisotropy Probe on cosmological models with dynamical dark energy. <i>Physical Review D</i> , 2007 , 75,	4.9	58
190	Functional renormalization group for d-wave superconductivity. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2007 , 367, 263-267	2.3	20
189	Growing neutrinos and cosmological selection. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2007 , 655, 201-208	4.2	85
188	Do instantons like a colorful background?. <i>European Physical Journal C</i> , 2007 , 49, 997-1010	4.2	4
187	Bosonic effective action for interacting fermions. <i>Physical Review B</i> , 2007 , 75,	3.3	20
186	Functional integral for ultracold fermionic atoms. <i>Nuclear Physics B</i> , 2007 , 770, 206-272	2.8	35
185	Universality in phase transitions for ultracold fermionic atoms. <i>Physical Review A</i> , 2006 , 73,	2.6	46
184	Chiral freedom and electroweak symmetry breaking. <i>Physical Review D</i> , 2006 , 74,	4.9	7
183	Non-linear structure formation in cosmologies with early dark energy. <i>Astronomy and Astrophysics</i> , 2006 , 454, 27-36	5.1	68
182	Dark energy cosmologies for codimension-two branes. <i>Nuclear Physics B</i> , 2005 , 726, 75-92	2.8	17

181	Isotropization far from equilibrium. <i>Nuclear Physics B</i> , 2005 , 727, 244-263	2.8	20
180	Antiferromagnetic gap in the Hubbard model. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2005 , 605, 144-150	4.2	23
179	The cosmological constant problem in codimension-two brane models. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2005 , 628, 189-196	4.2	8
178	Observational constraints on the dark energy density evolution. <i>Journal of Cosmology and Astroparticle Physics</i> , 2005 , 2005, 007-007	6.4	16
177	Spontaneous symmetry breaking origin for the difference between time and space. <i>Physical Review Letters</i> , 2005 , 94, 011602	7.4	18
176	Temperature dependence of antiferromagnetic order in the Hubbard model. <i>Physical Review B</i> , 2004 , 70,	3.3	66
175	Towards a renormalizable standard model without a fundamental Higgs scalar. <i>Physical Review D</i> , 2004 , 69,	4.9	65
174	Gravity from spinors. <i>Physical Review D</i> , 2004 , 70,	4.9	38
173	Nucleosynthesis and the variation of fundamental couplings. <i>Physical Review D</i> , 2004 , 70,	4.9	53
172	Universality of spontaneous chiral symmetry breaking in gauge theories. <i>Physical Review D</i> , 2004 , 69,	4.9	71
171	Critical phenomena in continuous dimension. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2004 , 582, 144-150	4.2	31
170	First-order chiral phase transition from a six-fermion instanton interaction. <i>Nuclear Physics A</i> , 2004 , 733, 113-129	1.3	6
169	Holographic branes. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2004 , 578, 409-417	4.2	13
168	Phenomenological parameterization of quintessence. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2004 , 594, 17-22	4.2	162
167	Chemical freeze-out and the QCD phase transition temperature. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2004 , 596, 61-69	4.2	175
166	Quantum Correlations in Classical Statistics. <i>Lecture Notes in Physics</i> , 2004 , 180-195	0.8	6
165	Prethermalization. <i>Physical Review Letters</i> , 2004 , 93, 142002	7.4	327
164	Quark and Nuclear Matter in the Linear Chiral Meson Model. <i>International Journal of Modern Physics A</i> , 2003 , 18, 3189-3219	1.2	19

163	Probing quintessence with time variation of couplings. <i>Journal of Cosmology and Astroparticle Physics</i> , 2003 , 2003, 002-002	6.4	73
162	Early Quintessence in Light of the Wilkinson Microwave Anisotropy Probe. <i>Astrophysical Journal</i> , 2003 , 591, L75-L78	4.7	72
161	Phase transition between three- and two-flavor QCD?. <i>European Physical Journal C</i> , 2003 , 29, 251-264	4.2	
160	Spinor gravity. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2003 , 574, 269-275	4.2	34
159	Crossover quintessence and cosmological history of fundamental constants. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2003 , 561, 10-16	4.2	69
158	Quintessence and the cosmological constant. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2003 , 124, 57-62		10
157	Flow equations without mean field ambiguity. <i>Physical Review D</i> , 2003 , 68,	4.9	51
156	Can structure formation influence the cosmological evolution?. <i>Physical Review D</i> , 2003 , 67,	4.9	47
155	Conformal fixed point, cosmological constant, and quintessence. <i>Physical Review Letters</i> , 2003 , 90, 231302	4.2	30
154	Gauge-invariant initial conditions and early time perturbations in quintessence universes. <i>Physical Review D</i> , 2003 , 68,	4.9	37
153	Non-perturbative renormalization flow in quantum field theory and statistical physics. <i>Physics Reports</i> , 2002 , 363, 223-386	27.7	1019
152	Instantons and spontaneous color symmetry breaking. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2002 , 525, 277-282	4.2	6
151	Constraining quintessence with the new CMB data. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2002 , 528, 175-180	4.2	25
150	Quintessence [the Dark Energy in the Universe?]. <i>Space Science Reviews</i> , 2002 , 100, 195-206	7.5	10
149	Renormalization flow of bound states. <i>Physical Review D</i> , 2002 , 65,	4.9	134
148	Phase transition and critical behavior of the d=3 Gross-Neveu model. <i>Physical Review B</i> , 2002 , 66,	3.3	77
147	Connection between chiral symmetry restoration and deconfinement. <i>Physical Review D</i> , 2002 , 66,	4.9	6
146	Cosmon dark matter?. <i>Physical Review D</i> , 2002 , 65,	4.9	49

145	Equation of state for helium-4 from microphysics. <i>Physical Review B</i> , 2002 , 65,	3.3	5
144	Nonperturbative Flow Equations, Low-Energy QCD, and the Chiral Phase Transition 2002 , 215-261		
143	Quintessence [The Dark Energy in the Universe?]. <i>Space Sciences Series of ISSI</i> , 2002 , 195-206	0.1	
142	Quintessence and the Separation of Cosmic Microwave Background Peaks. <i>Astrophysical Journal</i> , 2001 , 559, 501-506	4.7	88
141	Natural quintessence?. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2001 , 497, 281-288	4.2	64
140	Higgs description of two-flavor QCD vacuum. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2001 , 512, 85-90	4.2	10
139	Are galaxies cosmon lumps?. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2001 , 522, 5-9	4.2	31
138	EFFECTIVE AVERAGE ACTION IN STATISTICAL PHYSICS AND QUANTUM FIELD THEORY. <i>International Journal of Modern Physics A</i> , 2001 , 16, 1951-1982	1.2	63
137	Critical exponents of the Gross-Neveu model from the effective average action. <i>Physical Review Letters</i> , 2001 , 86, 958-61	7.4	72
136	Spontaneously broken color. <i>Physical Review D</i> , 2001 , 64,	4.9	17
135	Nonperturbative renormalization flow and essential scaling for the Kosterlitz-Thouless transition. <i>Physical Review B</i> , 2001 , 64,	3.3	100
134	Unique Translation between Hamiltonian Operators and Functional Integrals. <i>Physical Review Letters</i> , 2001 , 86, 1-5	7.4	18
133	Structure formation and the time dependence of quintessence. <i>Physical Review D</i> , 2001 , 64,	4.9	70
132	Phase transitions in liquid ^3He . <i>Physical Review Letters</i> , 2001 , 86, 1034-7	7.4	9
131	Evolution equations for the effective four-quark interactions in QCD. <i>Nuclear Physics B</i> , 2001 , 606, 337-356	3.3	14
130	Can Quintessence Be Natural? 2001 , 125-134		
129	The chiral phase transition at high baryon density from nonperturbative flow equations. <i>European Physical Journal C</i> , 2000 , 13, 323-329	4.2	25
128	Spontaneous symmetry breaking in the colored Hubbard model. <i>Physical Review B</i> , 2000 , 62, 15471-15479	3.3	19

127	Rotation symmetry breaking condensate in a scalar theory. <i>Physical Review D</i> , 2000 , 62,	4.9	21
126	Exact and truncated dynamics in nonequilibrium field theory. <i>Physical Review D</i> , 2000 , 63,	4.9	60
125	On thermalization in classical scalar field theory. <i>Nuclear Physics B</i> , 2000 , 587, 403-418	2.8	55
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