

Christof Wetterich

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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	Cosmology and the fate of dilatation symmetry. <i>Nuclear Physics B</i> , 1988 , 302, 668-696	2.8	2051
323	Exact evolution equation for the effective potential. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993 , 301, 90-94	4.2	1440
322	Proton lifetime and fermion masses in an SO(10) model. <i>Nuclear Physics B</i> , 1981 , 181, 287-300	2.8	1099
321	Non-perturbative renormalization flow in quantum field theory and statistical physics. <i>Physics Reports</i> , 2002 , 363, 223-386	27.7	1019
320	Neutrino masses and the scale of B-L violation. <i>Nuclear Physics B</i> , 1981 , 187, 343-375	2.8	346
319	Prethermalization. <i>Physical Review Letters</i> , 2004 , 93, 142002	7.4	327
318	Effective average action for gauge theories and exact evolution equations. <i>Nuclear Physics B</i> , 1994 , 417, 181-214	2.8	279
317	Average action and the renormalization group equations. <i>Nuclear Physics B</i> , 1991 , 352, 529-584	2.8	263
316	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
315	Critical exponents from the effective average action. <i>Nuclear Physics B</i> , 1994 , 422, 541-592	2.8	250
314	Cosmologies with variable Newton's "constant" <i>Nuclear Physics B</i> , 1988 , 302, 645-667	2.8	196
313	Adjusting the cosmological constant dynamically: Cosmons and a new force weaker than gravity. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1987 , 195, 183-190	4.2	195
312	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
311	Phenomenological parameterization of quintessence. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2004 , 594, 17-22	4.2	162
310	Cosmology from higher-dimensional gravity. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1983 , 129, 387-391	4.2	140
309	Renormalization flow of bound states. <i>Physical Review D</i> , 2002 , 65,	4.9	134
308	Quintessence cosmologies with a growing matter component. <i>Physical Review D</i> , 2008 , 78,	4.9	130

307	Density-dependent couplings and astrophysical bounds on light scalar particles. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1989 , 228, 264-272	4.2	124
306	Effective action for the chiral quark-meson model. <i>Physical Review D</i> , 1996 , 53, 5142-5175	4.9	122
305	Exact evolution equation for scalar electrodynamics. <i>Nuclear Physics B</i> , 1994 , 427, 291-324	2.8	121
304	Running gauge coupling in three dimensions and the electroweak phase transition. <i>Nuclear Physics B</i> , 1993 , 408, 91-130	2.8	117
303	Average action for the Higgs model with abelian gauge symmetry. <i>Nuclear Physics B</i> , 1993 , 391, 147-175	2.8	115
302	Modification of Predictions of Grand Unified Theories in the Presence of Spontaneous Compactification. <i>Physical Review Letters</i> , 1984 , 52, 875-878	7.4	109
301	The average action for scalar fields near phase transitions. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1993 , 57, 451-469		107
300	The high temperature phase transition for \mathbb{Z} theories. <i>Nuclear Physics B</i> , 1993 , 398, 659-696	2.8	106
299	Nonperturbative renormalization flow and essential scaling for the Kosterlitz-Thouless transition. <i>Physical Review B</i> , 2001 , 64,	3.3	100
298	Quintessence and the Separation of Cosmic Microwave Background Peaks. <i>Astrophysical Journal</i> , 2001 , 559, 501-506	4.7	88
297	Two flavor chiral phase transition from nonperturbative flow equations. <i>Physical Review D</i> , 1999 , 59,	4.9	86
296	Inflation with higher dimensional gravity. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1985 , 152, 51-55	4.2	86
295	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
294	Average action for the N-component \mathbb{Z}_4 theory. <i>Nuclear Physics B</i> , 1990 , 334, 506-526	2.8	85
293	Phase diagram of superconductors from nonperturbative flow equations. <i>Physical Review B</i> , 1996 , 53, 5734-5757	3.3	83
292	Spontaneous compactification in higher dimensional gravity. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1982 , 113, 377-381	4.2	83
291	Flow equations for the BCS-BEC crossover. <i>Physical Review A</i> , 2007 , 76,	2.6	77
290	Phase transition and critical behavior of the d=3 Gross-Neveu model. <i>Physical Review B</i> , 2002 , 66,	3.3	77

289	Scale dependence of the average potential around the maximum in \mathcal{N} theories. <i>Nuclear Physics B</i> , 1992 , 383, 197-217	2.8	77
288	Probing quintessence with time variation of couplings. <i>Journal of Cosmology and Astroparticle Physics</i> , 2003 , 2003, 002-002	6.4	73
287	Early Quintessence in Light of the Wilkinson Microwave Anisotropy Probe. <i>Astrophysical Journal</i> , 2003 , 591, L75-L78	4.7	72
286	Critical exponents of the Gross-Neveu model from the effective average action. <i>Physical Review Letters</i> , 2001 , 86, 958-61	7.4	72
285	Kosterlitz-Thouless phase transition in the two dimensional linear sigma model. <i>Physical Review Letters</i> , 1995 , 75, 378-381	7.4	72
284	Universality of spontaneous chiral symmetry breaking in gauge theories. <i>Physical Review D</i> , 2004 , 69,	4.9	71
283	Structure formation and the time dependence of quintessence. <i>Physical Review D</i> , 2001 , 64,	4.9	70
282	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
281	Effective Nonlocal Euclidean Gravity. <i>General Relativity and Gravitation</i> , 1998 , 30, 159-172	2.3	68
280	Non-linear structure formation in cosmologies with early dark energy. <i>Astronomy and Astrophysics</i> , 2006 , 454, 27-36	5.1	68
279	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
278	Gluon condensation in nonperturbative flow equations. <i>Physical Review D</i> , 1997 , 56, 7893-7916	4.9	67
277	Evolution equations for the quark-meson transition. <i>Nuclear Physics B</i> , 1994 , 423, 137-167	2.8	67
276	Temperature dependence of antiferromagnetic order in the Hubbard model. <i>Physical Review B</i> , 2004 , 70,	3.3	66
275	Variable gravity Universe. <i>Physical Review D</i> , 2014 , 89,	4.9	65
274	How early is early dark energy?. <i>Physical Review D</i> , 2013 , 87,	4.9	65
273	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
272	Towards a renormalizable standard model without a fundamental Higgs scalar. <i>Physical Review D</i> , 2004 , 69,	4.9	65

271	Time evolution of the cosmological constant. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1987 , 188, 38-43	4.2	65
270	Natural quintessence?. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2001 , 497, 281-288	4.2	64
269	Kaluza-Klein solutions with non-compact internal spaces. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1986 , 166, 65-68	4.2	64
268	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
267	Exact and truncated dynamics in nonequilibrium field theory. <i>Physical Review D</i> , 2000 , 63,	4.9	60
266	Inflation from higher dimensions. <i>Nuclear Physics B</i> , 1987 , 289, 787-809	2.8	60
265	Dimensional reduction of Weyl, Majorana and Majorana-Weyl spinors. <i>Nuclear Physics B</i> , 1983 , 222, 20-44.	2.8	60
264	SOLVING NONPERTURBATIVE FLOW EQUATIONS. <i>Modern Physics Letters A</i> , 1995 , 10, 2367-2379	1.3	59
263	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
262	Critical Equation of State from the Average Action. <i>Physical Review Letters</i> , 1996 , 77, 873-876	7.4	56
261	On thermalization in classical scalar field theory. <i>Nuclear Physics B</i> , 2000 , 587, 403-418	2.8	55
260	Primordial nucleosynthesis as a probe of fundamental physics parameters. <i>Physical Review D</i> , 2007 , 76,	4.9	54
259	Emergent scale symmetry: Connecting inflation and dark energy. <i>Physical Review D</i> , 2017 , 96,	4.9	53
258	Nucleosynthesis and the variation of fundamental couplings. <i>Physical Review D</i> , 2004 , 70,	4.9	53
257	Dilaton quantum gravity. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 727, 298-302	4.2	52
256	Particle-hole fluctuations in BCS-BEC crossover. <i>Physical Review B</i> , 2008 , 78,	3.3	51
255	Flow equations without mean field ambiguity. <i>Physical Review D</i> , 2003 , 68,	4.9	51
254	Chirality index and dimensional reduction of fermions. <i>Nuclear Physics B</i> , 1983 , 223, 109-124	2.8	51

253	Massless spinors in more than four dimensions. <i>Nuclear Physics B</i> , 1983 , 211, 177-188	2.8	51
252	Kaluza-Klein cosmology and the inflationary universe. <i>Nuclear Physics B</i> , 1985 , 252, 309-320	2.8	51
251	Cosmon dark matter?. <i>Physical Review D</i> , 2002 , 65,	4.9	49
250	The large-N limit and the high-temperature phase transition for the \mathbb{Z} theory. <i>Nuclear Physics B</i> , 1993 , 401, 567-590	2.8	49
249	Functional renormalization for quantum phase transitions with nonrelativistic bosons. <i>Physical Review B</i> , 2008 , 77,	3.3	47
248	Can structure formation influence the cosmological evolution?. <i>Physical Review D</i> , 2003 , 67,	4.9	47
247	Dimensional reduction of fermions in generalized gravity. <i>Nuclear Physics B</i> , 1984 , 242, 473-502	2.8	47
246	Universality in phase transitions for ultracold fermionic atoms. <i>Physical Review A</i> , 2006 , 73,	2.6	46
245	Improvement of the average action. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1993 , 60, 461-469		46
244	Renormalization flow and universality for ultracold fermionic atoms. <i>Physical Review A</i> , 2007 , 76,	2.6	45
243	On the spectrum of Kaluza-Klein theories with non-compact internal spaces. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1985 , 150, 347-351	4.2	45
242	The cosmological constant and non-compact internal spaces in Kaluza-Klein theories. <i>Nuclear Physics B</i> , 1985 , 255, 480-494	2.8	44
241	Inflation, quintessence, and the origin of mass. <i>Nuclear Physics B</i> , 2015 , 897, 111-178	2.8	43
240	Equation of state and coarse grained free energy for matrix models. <i>Nuclear Physics B</i> , 1997 , 487, 675-720	2.8	43
239	Functional renormalization for Bose-Einstein condensation. <i>Physical Review A</i> , 2008 , 77,	2.6	43
238	Two-loop results from improved one loop computations. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1995 , 65, 519-535		43
237	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
236	Quadratic renormalization of the average potential and the naturalness of quadratic mass relations for the top quark. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1990 , 48, 693-705		42

235	Fine-tuning problem and the renormalization group. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1984 , 140, 215-222	4.2	41
234	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
233	Quintessential adjustment of the cosmological constant. <i>Physical Review Letters</i> , 2000 , 85, 3339-42	7.4	40
232	Higgs scalar potential in asymptotically safe quantum gravity. <i>Physical Review D</i> , 2019 , 99,	4.9	38
231	Efimov effect from functional renormalization. <i>Physical Review A</i> , 2009 , 79,	2.6	38
230	Gravity from spinors. <i>Physical Review D</i> , 2004 , 70,	4.9	38
229	PHASE TRANSITION OF N-COMPONENT SUPERCONDUCTORS. <i>International Journal of Modern Physics A</i> , 1996 , 11, 4273-4306	1.2	38
228	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
227	Functional renormalization for trion formation in ultracold fermion gases. <i>Physical Review A</i> , 2009 , 79,	2.6	37
226	Gauge-invariant initial conditions and early time perturbations in quintessence universes. <i>Physical Review D</i> , 2003 , 68,	4.9	37
225	Gauge hierarchy due to strong interactions?. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1981 , 104, 269-276	4.2	37
224	Functional renormalization for spontaneous symmetry breaking in the Hubbard model. <i>Physical Review B</i> , 2011 , 83,	3.3	35
223	Functional integral for ultracold fermionic atoms. <i>Nuclear Physics B</i> , 2007 , 770, 206-272	2.8	35
222	Universe without expansion. <i>Physics of the Dark Universe</i> , 2013 , 2, 184-187	4.4	34
221	Coarse graining and first order phase transitions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997 , 393, 387-394	4.2	34
220	Spinor gravity. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2003 , 574, 269-275	4.2	34
219	Natural maximal $\bar{\nu}$ mixing. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999 , 451, 397-405	4.2	34
218	HIGH TEMPERATURE PHASE TRANSITIONS WITHOUT INFRARED DIVERGENCES. <i>International Journal of Modern Physics A</i> , 1994 , 09, 4029-4061	1.2	34

217	Chiral fermion generations from higher-dimensional gravity. <i>Nuclear Physics B</i> , 1984 , 244, 359-380	2.8	34
216	Time evolution of correlation functions in non-equilibrium field theories. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998 , 430, 140-150	4.2	33
215	SO(10) unification from higher dimensions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1982 , 110, 379-384	4.2	33
214	Quantum Liouville field theory as solution of a flow equation. <i>Nuclear Physics B</i> , 1997 , 506, 483-520	2.8	32
213	New phase of QED?. <i>Physical Review D</i> , 1988 , 37, 2492-2498	4.9	32
212	Very large scale structures in growing neutrino quintessence. <i>Physical Review D</i> , 2010 , 81,	4.9	31
211	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
210	Are galaxies cosmon lumps?. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2001 , 522, 5-9	4.2	31
209	Fermion mass predictions from higher dimensions. <i>Nuclear Physics B</i> , 1985 , 261, 461-490	2.8	31
208	Left-right symmetric gauge models and possible existence of a neutral gauge boson with mass in the PETRA-PEP energy range. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1978 , 73, 65-70	4.2	31
207	Phase structure of spin-imbalanced unitary Fermi gases. <i>Physical Review A</i> , 2015 , 91,	2.6	30
206	Conformal fixed point, cosmological constant, and quintessence. <i>Physical Review Letters</i> , 2003 , 90, 23139-4	4.2	30
205	Naturalness of exponential cosmon potentials and the cosmological constant problem. <i>Physical Review D</i> , 2008 , 77,	4.9	29
204	The strongly interacting electroweak phase transition. <i>Nuclear Physics B</i> , 1995 , 440, 171-188	2.8	29
203	Fermion masses from symmetry. <i>Nuclear Physics B</i> , 1987 , 283, 237-267	2.8	29
202	Chiral fermions in six-dimensional gravity. <i>Nuclear Physics B</i> , 1985 , 253, 366-374	2.8	29
201	Gauge hierarchies and the unification mass. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1979 , 85, 52-56	4.2	29
200	Neutrino lumps and the cosmic microwave background. <i>Physical Review D</i> , 2010 , 82,	4.9	28

199	Superfluid Bose gas in two dimensions. <i>Physical Review A</i> , 2009 , 79,	2.6	28
198	Time Evolution of Nonequilibrium Effective Action. <i>Physical Review Letters</i> , 1997 , 78, 3598-3601	7.4	28
197	Effective quark interactions and QCD propagators. <i>Physical Review D</i> , 1998 , 57, 1591-1604	4.9	28
196	Chemical freeze-out in heavy ion collisions at large baryon densities. <i>Nuclear Physics A</i> , 2012 , 890-891, 11-24	1.3	26
195	Spinors in euclidean field theory, complex structures and discrete symmetries. <i>Nuclear Physics B</i> , 2011 , 852, 174-234	2.8	26
194	Three-body loss in lithium from functional renormalization. <i>Physical Review A</i> , 2009 , 79,	2.6	26
193	Modified Fermi sphere, pairing gap, and critical temperature for the BCS-BEC crossover. <i>Physical Review A</i> , 2010 , 81,	2.6	26
192	Time evolution of correlation functions and thermalization. <i>Physical Review D</i> , 1999 , 60,	4.9	26
191	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
190	Eternal Universe. <i>Physical Review D</i> , 2014 , 90,	4.9	25
189	Quantum mechanics from classical statistics. <i>Annals of Physics</i> , 2010 , 325, 852-898	2.5	25
188	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
187	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
186	The region of validity of homogeneous nucleation theory. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999 , 467, 279-288	4.2	24
185	Fourth colour in O(10). <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1980 , 92, 304-308	4.2	24
184	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
183	Four-point vertex in the Hubbard model and partial bosonization. <i>Physical Review B</i> , 2010 , 81,	3.3	23
182	Quantum phase transition in Bose-Fermi mixtures. <i>Physical Review A</i> , 2011 , 84,	2.6	23

181	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
180	Equation of state near the endpoint of the critical line. <i>Nuclear Physics B</i> , 1999 , 562, 524-546	2.8	23
179	Critical temperature and superfluid gap of the unitary Fermi gas from functional renormalization. <i>Physical Review A</i> , 2014 , 89,	2.6	22
178	Cosmon inflation. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 726, 15-22	4.2	22
177	Unifying cosmological and recent time variations of fundamental couplings. <i>Physical Review D</i> , 2008 , 78,	4.9	22
176	Abelian Ward identity from the background field dependence of the effective action. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996 , 380, 337-340	4.2	22
175	Gauge hierarchy in the presence of discrete symmetry. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1979 , 87, 227-232	4.2	22
174	Variable Planck mass from the gauge invariant flow equation. <i>Physical Review D</i> , 2019 , 100,	4.9	22
173	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
172	Nonperturbative Analysis of the Coleman-Weinberg Phase Transition. <i>Modern Physics Letters A</i> , 1997 , 12, 2287-2308	1.3	21
171	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
170	Rotation symmetry breaking condensate in a scalar theory. <i>Physical Review D</i> , 2000 , 62,	4.9	21
169	Coleman-Weinberg phase transition in two-scalar models. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 348, 89-99	4.2	21
168	Primordial black holes from fifth forces. <i>Physical Review D</i> , 2018 , 97,	4.9	20
167	Gauge-invariant fields and flow equations for Yang-Mills theories. <i>Nuclear Physics B</i> , 2018 , 934, 265-316	2.8	20
166	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
165	Bosonic effective action for interacting fermions. <i>Physical Review B</i> , 2007 , 75,	3.3	20
164	Isotropization far from equilibrium. <i>Nuclear Physics B</i> , 2005 , 727, 244-263	2.8	20

163	High temperature phase transition in two-scalar theories. <i>Physical Review D</i> , 1996 , 53, 4552-4569	4.9	20
162	Phenomenology of geometrical flavour interactions at TeV energies. <i>Nuclear Physics B</i> , 1991 , 365, 3-23	2.8	20
161	Parity violating neutral currents in a left-right symmetric gauge model. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1977 , 69, 464-468	4.2	20
160	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
159	Structure formation and backreaction in growing neutrino quintessence. <i>Physical Review D</i> , 2012 , 85,	4.9	19
158	Nonequilibrium time evolution in quantum field theory. <i>Physical Review E</i> , 1997 , 56, 2687-2690	2.4	19
157	The linear meson model and chiral perturbation theory. <i>European Physical Journal C</i> , 1998 , 2, 557-567	4.2	19
156	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
155	Spontaneous symmetry breaking in the colored Hubbard model. <i>Physical Review B</i> , 2000 , 62, 15471-15479	3.3	19
154	Self-organizing criticality, large anomalous mass dimension and the gauge hierarchy problem. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1992 , 282, 399-405	4.2	19
153	An SO(10) model with 54 + 126 + 10 higgs. <i>Nuclear Physics B</i> , 1984 , 243, 273-284	2.8	19
152	Discrete symmetries in Kaluza-Klein theories. <i>Nuclear Physics B</i> , 1984 , 234, 413-444	2.8	19
151	Gauge symmetry from decoupling. <i>Nuclear Physics B</i> , 2017 , 915, 135-167	2.8	18
150	Dilatation symmetry in higher dimensions and the vanishing of the cosmological constant. <i>Physical Review Letters</i> , 2009 , 102, 141303	7.4	18
149	Nonperturbative thermodynamics of an interacting Bose gas. <i>Physical Review A</i> , 2009 , 79,	2.6	18
148	Emergence of quantum mechanics from classical statistics. <i>Journal of Physics: Conference Series</i> , 2009 , 174, 012008	0.3	18
147	Spontaneous symmetry breaking origin for the difference between time and space. <i>Physical Review Letters</i> , 2005 , 94, 011602	7.4	18
146	Unique Translation between Hamiltonian Operators and Functional Integrals. <i>Physical Review Letters</i> , 2001 , 86, 1-5	7.4	18

145	Gluon-meson duality. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999 , 462, 164-168	4.2	18
144	Integrating out gluons in flow equations. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1996 , 72, 139-162		18
143	Quark, lepton and neutrino masses in grand unified theories with local generation group. <i>Nuclear Physics B</i> , 1987 , 292, 443-460	2.8	18
142	Gauge-invariant flow equation. <i>Nuclear Physics B</i> , 2018 , 931, 262-282	2.8	18
141	Dimensional crossover of nonrelativistic bosons. <i>Physical Review A</i> , 2016 , 93,	2.6	17
140	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
139	Effective linear meson model. <i>European Physical Journal C</i> , 1998 , 1, 669-710	4.2	17
138	Dark energy cosmologies for codimension-two branes. <i>Nuclear Physics B</i> , 2005 , 726, 75-92	2.8	17
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