

SCI Papers of ITP in 1997

No.	Article Title	Authors	Source Title	Year	Volume	Issue	Page	DOI Link
1	A (2+1)-dimensional integrable sinh-Gordon extension	Wu, QX; Lou, SY	COMMUNICATIONS IN THEORETICAL PHYSICS	1997	27	1	109-112	http://dx.doi.org/10.1088/0253-6102/27/1/109
2	A complete classification of closed shapes for cylindrical vesicles	Zhang, SG	ACTA PHYSICA SINICA-OVERSEAS EDITION	1997	6	9	641-655	
3	A continuum model for heavy-electron metal	Liu, WM; Yu, Z; Pu, FC	JOURNAL OF MATERIALS SCIENCE & TECHNOLOGY	1997	13	2	133-136	
4	A description of the C-12+C-12 scattering excitation function by an alpha-folding potential	Yang, YX; Li, QR	COMMUNICATIONS IN THEORETICAL PHYSICS	1997	27	3	371-372	http://dx.doi.org/10.1088/0253-6102/27/3/371
5	A formula for E2 transition rates of the SU(7) limit of the fermion dynamical symmetry model	Liu, GZ; Liu, W; Zhao, EG	COMMUNICATIONS IN THEORETICAL PHYSICS	1997	27	2	203-208	http://dx.doi.org/10.1088/0253-6102/27/2/203
6	A multiple devil's staircase in a discontinuous map	Qu, SX; Wu, SG; He, DR	PHYSICS LETTERS A	1997	231	3-4	152-158	http://dx.doi.org/10.1016/S0375-9601(97)00300-9
7	A new recursion relation of fractional parentage coefficients in L-S coupling case	Sun, HZ; Han, QZ	COMMUNICATIONS IN THEORETICAL PHYSICS	1997	28	3	295-300	
8	A solution to the puzzles of CP violation, neutrino oscillation, fermion masses and mixings in an SUSY GUT model with small tan beta	Chou, KC; Wu, YL	NUCLEAR PHYSICS B	1997			159-162	http://dx.doi.org/10.1016/S0920-5632(96)00553-1
9	Accessing the final-state interactions in the semi-inclusive two-pion annihilation at the future Tau-Charm factory	Yang, JJ; Lu, W; Li, GL	CHINESE PHYSICS LETTERS	1997	14	1	13-16	
10	An (n+1)-dimensional integrable model: Painleve test	Lou, SY	COMMUNICATIONS IN THEORETICAL PHYSICS	1997	28	2	129-132	
11	An analysis of pion-C-13 elastic scattering and single charge exchange reaction	Ren, YJ; Mao, GJ; Liu, XY; Zhao, EG	COMMUNICATIONS IN THEORETICAL PHYSICS	1997	28	1	125-128	
12	An analytical derivation of the locally enhanced sampling approximation	Zheng, WM; Zheng, Q	JOURNAL OF CHEMICAL PHYSICS	1997	106	3	1191-1194	http://dx.doi.org/10.1063/1.473216
13	B(E2) saturation in the rare-earth region	Long, GL	CHINESE PHYSICS LETTERS	1997	14	5	340-343	
14	B->X(s)tau(+)tau(-) in a two-Higgs doublet model	Dai, YB; Huang, CS; Huang, HW	PHYSICS LETTERS B	1997	390	1-4	257-262	http://dx.doi.org/10.1016/S0370-2693(96)01386-X
15	Baxter-Bazhanov model, Frenkel-Moore equation and the braid group	Hu, ZN	COMMUNICATIONS IN THEORETICAL PHYSICS	1997	27	4	429-434	http://dx.doi.org/10.1088/0253-6102/27/4/429
16	Binding stability of a cross-linked drug: Calculation of an anticancer drug cisplatin-DNA complex	Chen, YZ; Zhang, YL; Prohofsky, EW	PHYSICAL REVIEW E	1997	55	5	5843-5848	http://dx.doi.org/10.1103/PhysRevE.55.5843
17	Black holes in the Brans-Dicke-Maxwell theory	Cai, RG; Myung, YS	PHYSICAL REVIEW D	1997	56	6	3466-3470	http://dx.doi.org/10.1103/PhysRevD.56.3466
18	Bond operator theory of isotropic spin-1 antiferromagnetic chains	Wang, HT; Shen, JL; Su, ZB	PHYSICAL REVIEW B	1997	56	22	14435-14440	http://dx.doi.org/10.1103/PhysRevB.56.14435
19	Bose-Einstein condensation in an atomic gas with attractive interactions	Shi, HL; Zheng, WM	PHYSICAL REVIEW A	1997	55	4	2930-2934	http://dx.doi.org/10.1103/PhysRevA.55.2930
20	Brownian motion theory of oxide high-T-c superconductor and inertial effects of vortices	Zheng, ZG; Hu, G	COMMUNICATIONS IN THEORETICAL PHYSICS	1997	27	2	157-162	http://dx.doi.org/10.1088/0253-6102/27/2/157
21	Bulk properties of light deformed nuclei derived from a medium-modified meson-exchange interaction	Grummer, F; Chen, BQ; Ma, ZY; Krewald, S	IZVESTIYA AKADEMII NAUK SERIYA FIZICHESKAYA	1997	61	12	2448-2452	
22	Calculation of the binding affinity of the anticancer drug daunomycin to DNA by a statistical mechanics approach	Chen, YZ; Zhang, YL	PHYSICAL REVIEW E	1997	55	6	7390-7395	http://dx.doi.org/10.1103/PhysRevE.55.7390
23	Cancellation of infrared divergences in hadronic annihilation decays of heavy quarkonia	Huang, HW; Chao, KT	PHYSICAL REVIEW D	1997	55	1	244-248	http://dx.doi.org/10.1103/PhysRevD.55.244
24	Chaotic annealing for optimization	Zhou, CS; Chen, TL	PHYSICAL REVIEW E	1997	55	3	2580-2587	http://dx.doi.org/10.1103/PhysRevE.55.2580
25	Chaotic neural network with nonlinear self-feedback and its application in optimization	Zhou, CS; Chen, TL; Huang, WQ	NEUROCOMPUTING	1997	14	3	209-222	
26	Clustering dynamics in globally coupled map lattices	Xie, FG; Hu, G	PHYSICAL REVIEW E	1997	56	2	1567-1570	http://dx.doi.org/10.1103/PhysRevE.56.1567
27	Coherence effects on pion spectrum distribution	Zhang, QH; Chao, WQ; Gao, CS	JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS	1997	23	9	1133-1139	http://dx.doi.org/10.1088/0954-3899/23/9/013
28	Coil formation in multishell carbon nanotubes: Competition between curvature elasticity and interlayer adhesion	ZhongCan, OY; Su, ZB; Wang, CL	PHYSICAL REVIEW LETTERS	1997	78	21	4055-4058	http://dx.doi.org/10.1103/PhysRevLett.78.4055
29	Collective backbending effect in the interacting boson model	Long, GL	PHYSICAL REVIEW C	1997	55	6	3163-3165	http://dx.doi.org/10.1103/PhysRevC.55.3163

30	Competition between pairing and anti-pairing correlations in the superdeformed nuclear states in A similar to 190 and 150 ranges	Liu, YX; Song, JG; Sun, HZ; Wang, JJ; Zhao, EG	CHINESE PHYSICS LETTERS	1997	14	9	641-644	
31	Configuration transitions of nematic droplets in PDLC	Zhou, FS; ZhongCan, OY; Xu, SY; Gao, HJ; Zang, BZ; You, SJ	MOLECULAR CRYSTALS AND LIQUID CRYSTALS SCIENCE AND TECHNOLOGY SECTION A-MOLECULAR CRYSTALS AND LIQUID CRYSTALS	1997	304		47-58	
32	Conformal invariance and integrable models	Lou, SY	JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL	1997	30	13	4803-4813	http://dx.doi.org/10.1088/0305-4470/30/13/028
33	CP asymmetry in top quark-pair production via photon fusion .2. For polarized photon beams	Ma, WG; Chang, CH; Li, XQ; Yu, ZH; Han, L	COMMUNICATIONS IN THEORETICAL PHYSICS	1997	27	1	101-104	http://dx.doi.org/10.1088/0253-6102/27/1/101
34	Critical behavior for the dilaton black holes	Cai, RG; Myung, YS	NUCLEAR PHYSICS B	1997	495	1-2	339-362	
35	Critical behavior in (2+1)-dimensional black holes	Cai, RG; Lu, ZJ; Zhang, YZ	PHYSICAL REVIEW D	1997	55	2	853-860	http://dx.doi.org/10.1103/PhysRevD.55.853
36	Critical temperature of a trapped interacting Bose-Einstein gas in the local-density approximation	Shi, HL; Zheng, WM	PHYSICAL REVIEW A	1997	56	1	1046-1049	http://dx.doi.org/10.1103/PhysRevA.56.1046
37	Delta I=1 staggering in odd superdeformed nuclei	Wu, CS; Zhou, ZN	PHYSICAL REVIEW C	1997	56	4	1814-1820	http://dx.doi.org/10.1103/PhysRevC.56.1814
38	Delta I=4 bifurcation and the sdg interacting Boson model	Liu, YX; Sun, HZ; Zhao, EG	COMMUNICATIONS IN THEORETICAL PHYSICS	1997	27	1	71-76	http://dx.doi.org/10.1088/0253-6102/27/1/71
39	Description of superdeformed nuclear states in the interacting boson model	Liu, YX; Song, JG; Sun, HZ; Zhao, EG	PHYSICAL REVIEW C	1997	56	3	1370-1379	http://dx.doi.org/10.1103/PhysRevC.56.1370
40	Destruction of tunneling in superlattices under the action of square-wave electric fields	Zhao, XG	PHYSICS LETTERS A	1997	229	5	323-326	http://dx.doi.org/10.1016/S0375-9601(97)00209-0
41	Determination of bilocal field in GCM theory and calculation of some properties of mesons	Lu, XF; Liu, YX; Zhao, EG	SCIENCE IN CHINA SERIES A-MATHEMATICS PHYSICS ASTRONOMY	1997	40	8	860-867	http://dx.doi.org/10.1007/BF02878926
42	Difference in moments of inertia and pairing interaction strength in superdeformed nuclei	Lei, Y; Lin, CZ; Zeng, JY	SCIENCE IN CHINA SERIES A-MATHEMATICS PHYSICS ASTRONOMY	1997	40	6	652-657	http://dx.doi.org/10.1007/BF02876070
43	Differential calculus on quantum Lorentz group	Wang, SK; Wu, K	COMMUNICATIONS IN THEORETICAL PHYSICS	1997	28	4	483-488	
44	Differential regularization of topologically massive Yang-Mills theory and Chern-Simons theory	Chen, WF; Lee, HC; Zhu, ZY	PHYSICAL REVIEW D	1997	55	6	3664-3673	http://dx.doi.org/10.1103/PhysRevD.55.3664
45	Dynamic Jahn-Teller effect in fullerene C-60 and related observable effects	Wang, WZ; Wang, CL; Bishop, AR; Yu, L; Su, ZB	SYNTHETIC METALS	1997	86	1-3	2365-2368	http://dx.doi.org/10.1016/S0379-6779(97)81163-0
46	Dynamical perturbation theory and the auxiliary field method	Holdom, B; Wang, Q	PHYSICAL REVIEW D	1997	55	5	3101-3110	http://dx.doi.org/10.1103/PhysRevD.55.3101
47	Dynamics of a periodic binary sequence in an ac field	Zhao, XG	JOURNAL OF PHYSICS-CONDENSED MATTER	1997	9	27	L385-L390	http://dx.doi.org/10.1088/0953-8984/9/27/001
48	Dynamics of Bose-Einstein condensed and excited atoms in a quantized cavity	Yi, XX; Sun, CP	COMMUNICATIONS IN THEORETICAL PHYSICS	1997	28	3	359-362	
49	E circle times e Jahn-Teller effect in C-70(3-) systems	Tian, L; Yi, YS; Wang, CL; Su, ZB	INTERNATIONAL JOURNAL OF MODERN PHYSICS B	1997	11	16	1969-1978	http://dx.doi.org/10.1142/S0217979297001039
50	E2/M1 ratio of the Delta->gamma N transition within the chiral constituent quark model	Shen, PN; Dong, YB; Zhang, ZY; Yu, YW; Lee, TSH	PHYSICAL REVIEW C	1997	55	4	2024-2029	http://dx.doi.org/10.1103/PhysRevC.55.2024
51	Effective spatial dimension of extremal nondilatonic black p-branes and the description on the world volume	Cai, RG	PHYSICAL REVIEW LETTERS	1997	78	13	2531-2534	http://dx.doi.org/10.1103/PhysRevLett.78.2531
52	EGRET gamma-ray source 2EG J0809+5117, a quasar with redshift of 1.14?	Wu, XB; Li, QB; Zhao, YH; Cao, L	ASTRONOMY & ASTROPHYSICS	1997	327	2	L13-L16	
53	Electroweak radiative corrections to gamma gamma->W+W- in the two-Higgs-doublet model	Sun, LZ; Liu, YY; You, ZR	PHYSICAL REVIEW D	1997	56	11	7143-7154	http://dx.doi.org/10.1103/PhysRevD.56.7143
54	Energy of a trapped interacting bose gas	Shi, HL; Zheng, WM	PHYSICAL REVIEW A	1997	56	4	2984-2988	http://dx.doi.org/10.1103/PhysRevA.56.2984
55	Energy states in a dimerized chain with an impurity	Zhao, XG	COMMUNICATIONS IN THEORETICAL PHYSICS	1997	28	4	415-418	
56	Event generator analysis for singly strange particle production data	BenHao, S; An, T	PHYSICAL REVIEW C	1997	55	4	2010-2015	http://dx.doi.org/10.1103/PhysRevC.55.2010
57	Exponential model with pairing attenuation applied to superdeformed nuclei in the A similar to 190 region	Zhou, SG; Zheng, CK	PHYSICAL REVIEW C	1997	55	5	2324-2329	http://dx.doi.org/10.1103/PhysRevC.55.2324

58	Extracting information masked by chaos and contaminated with noise: Some considerations on the security of communication approaches using chaos	Zhou, CS; Chen, TL	PHYSICS LETTERS A	1997	234	6	429-435	http://dx.doi.org/10.1016/S0375-9601(97)00551-3
59	Extraction of alpha from the CP asymmetry in $B \rightarrow (B)\overline{B} \rightarrow \pi(\pi^+)\pi(-)$ decays	Kramer, G; Palmer, WF; Wu, YL	COMMUNICATIONS IN THEORETICAL PHYSICS	1997	27	4	457-464	http://dx.doi.org/10.1088/0253-6102/27/4/457
60	Fermi surface of underdoped high-T-c superconducting cuprates	Dai, X; Su, ZB; Yu, L	PHYSICAL REVIEW B	1997	56	9	5583-5589	http://dx.doi.org/10.1103/PhysRevB.56.5583
61	Fermionic entropy in a (1+1)-dimensional charged black hole	Shen, YG; Chen, DM; Zhang, TJ	PHYSICAL REVIEW D	1997	56	10	6698-6701	http://dx.doi.org/10.1103/PhysRevD.56.6698
62	Finite-size scaling for low-energy excitations in integer Heisenberg spin chains	Qin, SJ; Liu, YL; Yu, L	PHYSICAL REVIEW B	1997	55	5	2721-2724	http://dx.doi.org/10.1103/PhysRevB.55.2721
63	Free field realizations of 2D current algebras, screening currents and primary fields	Petersen, JL; Rasmussen, J; Yu, M	NUCLEAR PHYSICS B	1997	502	3	649-670	
64	General deformation scheme of Heisenberg-Weyl algebra	Song, HS; Zhang, M; An, Y	COMMUNICATIONS IN THEORETICAL PHYSICS	1997	27	4	481-484	http://dx.doi.org/10.1088/0253-6102/27/4/481
65	Giant resonances in the relativistic RPA with non-linear interactions	Ma, ZY; Toki, H; Van Giai, N	NUCLEAR PHYSICS A	1997	627	1	1-13	http://dx.doi.org/10.1016/S0375-9474(97)00398-9
66	Gravity with electromagnetism on $M(4) \times Z(2)$	Chen, B	COMMUNICATIONS IN THEORETICAL PHYSICS	1997	27	4	497-500	http://dx.doi.org/10.1088/0253-6102/27/4/497
67	Hadronic annihilation decay rates of P-wave heavy quarkonia with relativistic corrections	Huang, HW; Hu, HM; Zhang, XF	PHYSICAL REVIEW D	1997	56	9	5816-5819	http://dx.doi.org/10.1103/PhysRevD.56.5816
68	Hard scattering amplitude for the higher helicity components of the pion form factor	Cao, FG; Cao, J; Huang, T; Ma, BQ	PHYSICAL REVIEW D	1997	55	11	7107-7113	http://dx.doi.org/10.1103/PhysRevD.55.7107
69	Hyperon-nucleon interactions in a chiral $SU(3)$ quark model	Zhang, ZY; Yu, YW; Shen, PN; Dai, LR; Faessler, A; Straub, U	NUCLEAR PHYSICS A	1997	625	1-2	59-70	http://dx.doi.org/10.1016/S0375-9474(97)00033-X
70	Identical bands and quantized alignments in superdeformed nuclei	Shen, CW; Luo, WD; Chen, YS	PHYSICAL REVIEW C	1997	55	4	1762-1766	http://dx.doi.org/10.1103/PhysRevC.55.1762
71	Implication on two Higgs doublet models from the latest $b \rightarrow s$ gamma measurement and top discovery	Chang, CH; Lu, CD	COMMUNICATIONS IN THEORETICAL PHYSICS	1997	27	3	331-336	http://dx.doi.org/10.1088/0253-6102/27/3/331
72	Impurity in a Luttinger liquid away from half-filling: A numerical study	Qin, SJ; Fabrizio, M; Yu, L; Oshikawa, M; Affleck, I	PHYSICAL REVIEW B	1997	56	15	9766-9774	http://dx.doi.org/10.1103/PhysRevB.56.9766
73	Increase of effective string tension and production of strange particles	An, T; BenHao, S	PHYSICS LETTERS B	1997	409	1-4	393-397	
74	Induced electronic interactions in Chern-Simons systems	Feng, SS; Zong, HS; Wang, ZX; Qiu, XJ	INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS	1997	36	8	1717-1731	http://dx.doi.org/10.1007/BF02435840
75	Infinite degenerate states and Hawking flux quantization of two-dimensional black hole	Chen, YX	COMMUNICATIONS IN THEORETICAL PHYSICS	1997	27	4	475-480	http://dx.doi.org/10.1088/0253-6102/27/4/475
76	Intrinsic localization of Bloch electrons in dc electric fields	Liu, WM; Zhao, XG; Liu, K	CHINESE PHYSICS LETTERS	1997	14	12	924-927	
77	Intrinsic regularization method in QCD	Cai, Y; Guo, HY; Gao, DN	COMMUNICATIONS IN THEORETICAL PHYSICS	1997	28	4	455-462	
78	Is there chaotic synchronization in space extend systems?	Liu, ZR; Wei, Z; Xin, H	NONLINEAR DYNAMICS	1997	12	4	319-326	
79	Mean polarizations and mean-square displacements in a chain with alternating site energies or intersite interactions	Zhao, XG	PHYSICA SCRIPTA	1997	55	2	253-256	http://dx.doi.org/10.1088/0031-8949/55/2/017
80	Medium effects on the double-Delta production and absorption cross section	Mao, GJ; Li, ZX; Zhuo, YZ; Zhao, EG	PHYSICAL REVIEW C	1997	55	2	792-800	http://dx.doi.org/10.1103/PhysRevC.55.792
81	Microscopic mechanism of identical multi-quasiparticle bands	Zeng, JY; Lei, Y; Zhao, EG	HIGH ENERGY PHYSICS & NUCLEAR PHYSICS-ENGLISH EDITION	1997	21	1	483-490	
82	Microscopic picture of a chiral Luttinger liquid: Composite fermion theory of edge states	Yu, Y; Zheng, WJ; Zhu, ZY	PHYSICAL REVIEW B	1997	56	20	13279-13289	http://dx.doi.org/10.1103/PhysRevB.56.13279
83	Momentum transfer and effect of motion of atomic mass centre on an atom-cavity system	Yi, XX; Sun, CP	COMMUNICATIONS IN THEORETICAL PHYSICS	1997	28	1	3-8	
84	New symmetry constraints of the modified Kadomtsev-Petviashvili equation	Lou, SY; Chen, LL; Wu, QX	CHINESE PHYSICS LETTERS	1997	14	1	1-4	
85	Noise, order, and spatiotemporal intermittency	Yang, HL; Huang, ZQ; Ding, EJ	PHYSICAL REVIEW E	1997	56	3	R2355-R2358	http://dx.doi.org/10.1103/PhysRevE.56.R2355
86	Nonadiabatic Berry phase of a two-state system and nonstationarity of quantum states	Lei, YA; Zeng, JY	COMMUNICATIONS IN THEORETICAL PHYSICS	1997	27	4	435-442	http://dx.doi.org/10.1088/0253-6102/27/4/435

87	Nonlinear dynamics of a continuum Heisenberg spin chain with an anisotropy and an external magnetic field	Liu, WM; Yang, SL; Pu, FC; Huang, NN	ZEITSCHRIFT FUR PHYSIK B-CONDENSED MATTER	1997	103	1	105-114	http://dx.doi.org/10.1007/s002570050342
88	Nuclear effect on the nucleon structure function	Xue, DL; Li, GL	COMMUNICATIONS IN THEORETICAL PHYSICS	1997	27	1	113-116	http://dx.doi.org/10.1088/0253-6102/27/1/113
89	Null fluid collapse in the plane symmetric anti-de Sitter spacetime	Cai, RG; Qiao, LZ; Zhang, YZ	MODERN PHYSICS LETTERS A	1997	12	3	155-161	http://dx.doi.org/10.1142/S0217732397000157
90	Numerical study of the kneading theory for the Lorenz model	Zheng, WM; Liu, JX	COMMUNICATIONS IN THEORETICAL PHYSICS	1997	27	4	423-428	http://dx.doi.org/10.1088/0253-6102/27/4/423
91	$O(1/m(Q))$ corrections to masses of excited heavy mesons from QCD sum rules	Dai, YB; Huang, CS; Huang, MQ	PHYSICAL REVIEW D	1997	55	9	5719-5726	http://dx.doi.org/10.1103/PhysRevD.55.5719
92	$O(\alpha(2)G(F)m(t)(2))$ contributions to $H \rightarrow \gamma \gamma$	Yi, L; Li, XY	PHYSICS LETTERS B	1997	396	1-4	225-230	
93	Omega production and corresponding ratio of antiparticle to particle in relativistic nucleus-nucleus collisions	Sa, BH	COMMUNICATIONS IN THEORETICAL PHYSICS	1997	27	4	507-510	http://dx.doi.org/10.1088/0253-6102/27/4/507
94	On the relative surface density change of thermally unstable accretion disks	Wu, XB	ASTROPHYSICAL JOURNAL	1997	489	1	222-226	http://dx.doi.org/10.1086/304785
95	On the variation of nuclear energy level statistics versus the structure parameter Chi	Liu, YX; Zhao, EG; Song, JG; Long, GL; Sun, HZ	COMMUNICATIONS IN THEORETICAL PHYSICS	1997	27	3	373-376	http://dx.doi.org/10.1088/0253-6102/27/3/373
96	On-off intermittency in continuous systems	Hu, G; Qu, ZL; Xie, FG; Shu, SQ	COMMUNICATIONS IN THEORETICAL PHYSICS	1997	27	3	311-316	http://dx.doi.org/10.1088/0253-6102/27/3/311
97	Pattern formation and instability of smectic-A filaments grown from an isotropic phase	Naito, H; Okuda, M; Zhongcan, OY	PHYSICAL REVIEW E	1997	55	2	1655-1659	http://dx.doi.org/10.1103/PhysRevE.55.1655
98	Persistent currents from the competition between Zeeman coupling and spin-orbit interaction	Qian, TZ; Yi, YS; Su, ZB	PHYSICAL REVIEW B	1997	55	7	4065-4068	http://dx.doi.org/10.1103/PhysRevB.55.4065
99	Phonon-induced collapse of minibands in superlattices	Zhao, XG	PHYSICS LETTERS A	1997	230	3-4	229-231	http://dx.doi.org/10.1016/S0375-9601(97)00248-X
100	Photon assisted transport in superlattices beyond the nearest-neighbor approximation	Zhao, XG; Georgakis, GA; Niu, Q	PHYSICAL REVIEW B	1997	56	7	3976-3981	http://dx.doi.org/10.1103/PhysRevB.56.3976
101	Polarized $\Lambda(b) \rightarrow X\text{-}c$ tau upilon in the standard model and two-Higgs-doublet model	Huang, CS; Yan, HG	PHYSICAL REVIEW D	1997	56	9	5981-5990	http://dx.doi.org/10.1103/PhysRevD.56.5981
102	Possible understanding of hyperdeformed Ba144-146 nuclei appearing in the spontaneous fission of Cf-252	Wu, XZ; Gu, JZ; Zhuo, YZ; Li, ZX; Chen, YS; Greiner, W	PHYSICAL REVIEW LETTERS	1997	79	23	4542-4545	http://dx.doi.org/10.1103/PhysRevLett.79.4542
103	Predicting orbits of the Lorenz equation from symbolic dynamics	Zheng, WM	PHYSICA D	1997	109	1-2	191-198	http://dx.doi.org/10.1016/S0167-2789(97)00169-3
104	Propagation of localized excitations in desoxyribonucleic acid	Yang, XJ; Zhuo, YZ; Wu, XZ	CHINESE PHYSICS LETTERS	1997	14	12	957-960	
105	QCD corrections to $b \rightarrow se(+)\bar{e}(-)$ decay	Lu, CD; Huang, HW	PHYSICS LETTERS B	1997	390	1-4	413-419	http://dx.doi.org/10.1016/S0370-2693(96)01399-8
106	QCD sum rules for masses of excited heavy mesons	Dai, YB; Huang, CS; Huang, MQ; Liu, C	PHYSICS LETTERS B	1997	390	1-4	350-358	http://dx.doi.org/10.1016/S0370-2693(96)01412-8
107	Quantum affine superalgebra $U_q(\mathfrak{gl}(\frac{1}{\text{over-cap}}/1))$ and its Drinfeld realization	Cai, JF; Wang, SK; Wu, K; Zhao, WZ	COMMUNICATIONS IN THEORETICAL PHYSICS	1997	28	1	1-2	
108	Quantum breathers in nonlinear phonon and coupled electron-phonon systems	Gammel, JT; Wang, WZ; Bishop, AR; Salkola, MI	SYNTHETIC METALS	1997	86	1-3	2215-2216	http://dx.doi.org/10.1016/S0379-6779(97)81098-3
109	Quantum chaotic motion of a single particle in heavy nuclei	Gu, JZ; Wu, XZ; Zhou, YZ; Zhao, EG	NUCLEAR PHYSICS A	1997	625	3	621-632	http://dx.doi.org/10.1016/S0375-9474(97)00503-4
110	Quantum holonomy in three-dimensional general covariant field theory and the link invariant	Chen, WF; Lee, HC; Zhu, ZY	PHYSICAL REVIEW D	1997	56	2	1170-1174	http://dx.doi.org/10.1103/PhysRevD.56.1170
111	Quantum inverse scattering method for an integrable model	Zhao, HW; Liu, WM; Pu, FC	COMMUNICATIONS IN THEORETICAL PHYSICS	1997	28	3	277-282	
112	R-b and R-c in an extended standard model	Zhao, WY	COMMUNICATIONS IN THEORETICAL PHYSICS	1997	28	4	497-498	
113	Resonant tunneling through a quantum dot in the presence of alternating fields	Liu, LJ; Lin, TH	COMMUNICATIONS IN THEORETICAL PHYSICS	1997	27	4	407-412	http://dx.doi.org/10.1088/0253-6102/27/4/407
114	Robust communication via chaotic synchronization based on contraction maps	Zhou, CS; Chen, TL	PHYSICS LETTERS A	1997	225	1-3	60-66	http://dx.doi.org/10.1016/S0375-9601(96)00852-3
115	Self-consistent phonon approaches for the hydrogen bond chain	Zhang, YL; Zheng, WM	PHYSICAL REVIEW E	1997	55	4	4531-4535	http://dx.doi.org/10.1103/PhysRevE.55.4531
116	Self-consistent treatment for dynamical Jahn-Teller effect in C-60(+): In comparison with C-60(-)	Yi, YS; Tian, L; Wang, CL; Su, ZB; Yu, L	PHYSICA C	1997	282		1927-1928	

117	Sigma-meson from general color symmetry model for quantum chromodynamics	Lu, XF; Liu, YX; Zou, BS; Ding, HM; Zhao, EG	CHINESE PHYSICS LETTERS	1997	14	8	573-576	
118	Solitons in a uniaxial anisotropic Heisenberg spin chain with Gilbert damping in an external magnetic field	Liu, WM; Wang, XB; Pu, FC; Huang, NN	PHYSICAL REVIEW E	1997	55	2	1375-1394	http://dx.doi.org/10.1103/PhysRevE.55.1375
119	Spatiotemporal periodic and chaotic patterns in a two-dimensional coupled map lattice system	Xie, FG; Hu, G	PHYSICAL REVIEW E	1997	55	1	79-86	http://dx.doi.org/10.1103/PhysRevE.55.79
120	Spin precession and time-reversal symmetry breaking in quantum transport of electrons through mesoscopic rings	Yi, YS; Qian, TZ; Su, ZB	PHYSICAL REVIEW B	1997	55	16	10631-10637	http://dx.doi.org/10.1103/PhysRevB.55.10631
121	Stability of a hot two-temperature accretion disc with advection	Wu, XB	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	1997	292	1	113-119	http://dx.doi.org/10.1093/mnras/292.1.113
122	Stability of unduloidlike shapes of smectic-A phase grown from isotropic phase	Hirose, Y; Naito, H; ZhongCan, OY	MOLECULAR CRYSTALS AND LIQUID CRYSTALS SCIENCE AND TECHNOLOGY SECTION A-MOLECULAR CRYSTALS AND LIQUID CRYSTALS	1997	303		355-360	http://dx.doi.org/10.1080/10587259708039446
123	Stabilizing unstable orbits	Zhao, H; Wang, YH; Yan, J	PHYSICS LETTERS A	1997	236	1-2	53-59	
124	Statistical properties of type V intermittent diffusion	Wu, SG; Zhao, SY; Qu, SX; Gao, ZH; He, DR	CHINESE PHYSICS LETTERS	1997	14	4	248-251	
125	Strange antibaryon production data and reduction of strangeness suppression in sulphur-nucleus collisions at 200A GeV	Sa, BH; Tai, A	PHYSICS LETTERS B	1997	399	1-2	29-34	http://dx.doi.org/10.1016/S0370-2693(97)00274-8
126	Strange magnetic moment and isospin symmetry breaking	Ma, BQ	PHYSICS LETTERS B	1997	408	1-4	387-392	http://dx.doi.org/10.1016/S0370-2693(97)00830-7
127	Study of the superdeformed nuclei in A=190 region with the cranking Bohr-Mottelson Hamiltonian	Zhou, SG; Zheng, CK; Xu, FR; Hu, JM	NUCLEAR PHYSICS A	1997	615	2	229-244	http://dx.doi.org/10.1016/S0375-9474(96)00490-3
128	Super Yangian double DY(gl(1/1)) and its Gauss decomposition	Cai, JF; Ju, GX; Wu, K; Wang, SK	JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL	1997	30	11	L347-L350	http://dx.doi.org/10.1088/0305-4470/30/11/001
129	Super-Yangian Y(gl(1 vertical bar 1)) and its oscillator realization	Ju, GX; Cai, JF; Guo, HY; Wu, K; Wang, SK	JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL	1997	30	17	6155-6161	http://dx.doi.org/10.1088/0305-4470/30/17/022
130	Suppressing chaos and transient in parameter perturbed systems	Fang, HP; He, GW; Cao, LY	COMMUNICATIONS IN THEORETICAL PHYSICS	1997	27	1	37-40	http://dx.doi.org/10.1088/0253-6102/27/1/37
131	Symbolic dynamics of the hyperbolic potential	Zheng, WM	PHYSICAL REVIEW E	1997	56	6	6317-6320	http://dx.doi.org/10.1103/PhysRevE.56.6317
132	Symbolic dynamics of the stadium billiard	Zheng, WM	PHYSICAL REVIEW E	1997	56	2	1556-1560	http://dx.doi.org/10.1103/PhysRevE.56.1556
133	Synchronization in nonlinear three-dimensional double-diffusive convection systems	Fang, HP	COMMUNICATIONS IN THEORETICAL PHYSICS	1997	27	3	349-356	http://dx.doi.org/10.1088/0253-6102/27/3/349
134	Synchronization of spatiotemporal chaos and its applications	Hu, G; Xiao, JH; Yang, JZ; Xie, FG; Qu, ZL	PHYSICAL REVIEW E	1997	56	3	2738-2746	http://dx.doi.org/10.1103/PhysRevE.56.2738
135	Temperature-dependent crossover in fractional quantum Hall edges in the presence of Coulomb interaction	Zheng, WJ; Yu, Y	PHYSICAL REVIEW LETTERS	1997	79	17	3242-3245	http://dx.doi.org/10.1103/PhysRevLett.79.3242
136	Testing predictability of symbolic sequences using time-delay embedding	Cao, LY	PHYSICA A	1997	247	1-4	473-481	
137	The behavior of the Maxwell displacement current for a biaxial model of monolayers at the liquid-air interface	Iwamoto, M; Sugimura, A; OuYang, ZC	CHEMICAL PHYSICS LETTERS	1997	274	5-6	505-512	http://dx.doi.org/10.1016/S0009-2614(97)00693-3
138	The Fermi surface of underdoped high-T-c superconducting cuprates	Dai, X; Su, ZB; Yu, L	PHYSICA C	1997	282		1669-1670	http://dx.doi.org/10.1016/S0921-4534(97)00918-0
139	The giant dipole resonance in Ar-isotopes in the relativistic RPA	Ma, ZY; Toki, H; Chen, BQ; VanGai, N	PROGRESS OF THEORETICAL PHYSICS	1997	98	4	917-926	http://dx.doi.org/10.1143/PTP.98.917
140	The microscopic model of composite particles for $\nu=1/m$ FQHE edge excitations, its bosonization and the chiral condition	Zheng, WJ	INTERNATIONAL JOURNAL OF MODERN PHYSICS B	1997	11	22	2661-2681	http://dx.doi.org/10.1142/S0217979297001313
141	The relationship between the fractional integral and the fractal structure of a memory set	Ren, FY; Yu, ZG; Zhou, J; Le Mehaute, A; Nigmatullin, RR	PHYSICA A	1997	246	3-4	419-429	http://dx.doi.org/10.1016/S0378-4371(97)00353-1
142	The rotational limit of the interacting boson model 3	Long, GL; Gan, CY; Shen, TY	COMMUNICATIONS IN THEORETICAL PHYSICS	1997	27	3	317-324	http://dx.doi.org/10.1088/0253-6102/27/3/317

143	The structure of Xe-131, Xe-133 and the Spin(6) symmetry	Long, GL; Suo, Y	COMMUNICATIONS IN THEORETICAL PHYSICS	1997	27	1	67-70	http://dx.doi.org/10.1088/0253-6102/27/1/67
144	Theory of DNA melting based on the Peyrard-Bishop model	Zhang, YL; Zheng, WM; Liu, JX; Chen, YZ	PHYSICAL REVIEW E	1997	56	6	7100-7115	http://dx.doi.org/10.1103/PhysRevE.56.7100
145	Theory of negative magnetoresistance in the c-axis resistivity of high-T-c cuprates	Yan, DD; Yi, YS; Su, ZB; Yu, L	PHYSICA C	1997	282		1647-1648	http://dx.doi.org/10.1016/S0921-4534(97)00907-6
146	Thermal denaturation and propagation of localized excitation in DNA	Yang, XJ; Zhuo, YZ; Wu, XZ	PHYSICS LETTERS A	1997	234	2	152-157	http://dx.doi.org/10.1016/S0375-9601(97)00452-0
147	Tilted rotation of triaxial nuclei	Frauentorf, S; Meng, J	NUCLEAR PHYSICS A	1997	617	2	131-147	http://dx.doi.org/10.1016/S0375-9474(97)00004-3
148	Time-dependent electron tunnelling through a quantum dot with Coulomb interactions	Sun, QF; Lin, TH	JOURNAL OF PHYSICS-CONDENSED MATTER	1997	9	23	4875-4886	http://dx.doi.org/10.1088/0953-8984/9/23/011
149	Transient current through a quantum dot with two time-dependent barriers	Sun, QF; Lin, TH	JOURNAL OF PHYSICS-CONDENSED MATTER	1997	9	14	3043-3053	http://dx.doi.org/10.1088/0953-8984/9/14/018
150	Transition to Delta matter from hot, dense nuclear matter within a relativistic mean field formulation of the nonlinear sigma and omega model	Li, ZX; Mao, GJ; Zhuo, YZ; Greiner, W	PHYSICAL REVIEW C	1997	56	3	1570-1575	http://dx.doi.org/10.1103/PhysRevC.56.1570
151	Tree-level non-decoupling and the supersymmetric Higgs sector	Li, XY; Ma, E	JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS	1997	23	8	885-894	http://dx.doi.org/10.1088/0954-3899/23/8/003
152	Tunnel crisis and the crisis-induced intermittency	Yang, HL; Huang, ZQ; Ding, EJ	PHYSICAL REVIEW E	1997	55	6	6598-6603	http://dx.doi.org/10.1103/PhysRevE.55.6598
153	Unconventional medium effect in K ⁺ - and pi ⁽⁺⁾ -nucleus scattering	Cai, CH; Shen, H; Ning, PZ; Zhao, EG	COMMUNICATIONS IN THEORETICAL PHYSICS	1997	27	1	117-120	http://dx.doi.org/10.1088/0253-6102/27/1/117
154	Universality class of integer quantum spin chains: S=2 case study	Qin, SJ; Wang, XQ; Yu, L	PHYSICAL REVIEW B	1997	56	22	14251-14254	http://dx.doi.org/10.1103/PhysRevB.56.R14251
155	Wavefunction of wormhole in the Einstein-Yang-Mills theory	Shen, YG	COMMUNICATIONS IN THEORETICAL PHYSICS	1997	27	3	357-360	http://dx.doi.org/10.1088/0253-6102/27/3/357