

SCI Papers of ITP in 2003

No.	Article Title	Authors	Source Title	Year	Volume	Issue	Page	DOI Link
1	1/m(Q) order contributions to B -> pi l v decay in HQEFT	Wang, WY; Wu, YL; Zhong, M	JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS	2003	29	12	2743-2753 / PII S0954-3899(03)63455-9	http://dx.doi.org/10.1088/0954-3899/29/12/006
2	A new renormalization scheme for the fermion field in the standard model	Zhou, Y	JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS	2003	29	6	1031-1044 / PII S0954-3899(03)52996-6	http://dx.doi.org/10.1088/0954-3899/29/6/306
3	A no-go theorem for compatibility between involutions of first order differentials on a lattice and continuum limit	Dai, J; Song, XC; Wu, K; Xiong, CS	COMMUNICATIONS IN THEORETICAL PHYSICS	2003	39	3	301-303	
4	A note on the positive constant curvature space	Cai, RG	PHYSICS LETTERS B	2003	552	1-2	66-71	http://dx.doi.org/10.1016/S0370-2693(02)03096-4
5	A novel meron-induced pseudospin wave in the bilayer quantum hall coherent state and the residual zero-bias peak in tunneling conductance	Yu, Y	MODERN PHYSICS LETTERS B	2003	17	26	1377-1384	http://dx.doi.org/10.1142/S021798490300627X
6	A possible halo-like neutron 2p states of C-13	Hu, ZH; Zhou, LJ; Ma, WX	HIGH ENERGY PHYSICS AND NUCLEAR PHYSICS-CHINESE EDITION	2003	27	1	36-38	
7	A supersymmetric model with the gauge symmetry SU(3)(1) x SU(2)(1) x U(1)(1) x SU(3)(2) x SU(2)(2) x U(1)(2)	Korner, JG; Liu, C	MODERN PHYSICS LETTERS A	2003	18	14	967-975	http://dx.doi.org/10.1142/S0217732303010715
8	AdS dynamics for massive scalar field: Exact solutions vs. bulk-boundary propagator	Guo, HY	INTERNATIONAL JOURNAL OF MODERN PHYSICS A	2003	18	9	1657-1670	
9	An inflation model with large variations in the spectral index	Feng, B; Li, MZ; Zhang, RJ; Zhang, XM	PHYSICAL REVIEW D	2003	68	10	103511	http://dx.doi.org/10.1103/PhysRevD.68.103511
10	Analogue of the Fizeau effect in an effective optical medium	Nandi, KK; Zhang, YZ; Alsing, PM; Evans, JC; Bhadra, A	PHYSICAL REVIEW D	2003	67	2	25002	http://dx.doi.org/10.1103/PhysRevD.67.025002
11	Anomalous action in gauge invariant, nonlocal, dynamical quark model	Ma, YL; Wang, Q	PHYSICS LETTERS B	2003	560	3-4	188-195	http://dx.doi.org/10.1016/S0370-2693(03)00399-X
12	Apex shift of circular biconcave vesicles	Zhao, SL; Liu, QH; Ou-Yang, ZC	INTERNATIONAL JOURNAL OF MODERN PHYSICS B	2003	17	26	4661-4665	http://dx.doi.org/10.1142/S0217979203022969
13	B -> pi phi in SM and MSSM	Cheng, JF; Huang, CS	PHYSICS LETTERS B	2003	554	3-4	155-163	http://dx.doi.org/10.1016/S0370-2693(03)00009-1
14	Baryon ratios in quark-gluon plasma	Ma, ZB; Miao, H; Gao, CS	COMMUNICATIONS IN THEORETICAL PHYSICS	2003	40	5	547-550	
15	Boosted domain wall and charged Kaigorodov space	Cai, RG	PHYSICS LETTERS B	2003	572	1-2	75-80	http://dx.doi.org/10.1016/j.physletb.2003.07.081
16	Boson entropy in the NUT-Kerr-Newman black holes in the background of de Sitter space-timet	Ge, XH; Shen, YG	CHINESE ASTRONOMY AND ASTROPHYSICS	2003	27	2	140-146	http://dx.doi.org/10.1016/S0275-1062(03)00034-1
17	Brane inflation from rotation of D4 brane	Piao, YS; Zhang, XM; Zhang, YZ	MODERN PHYSICS LETTERS A	2003	18	30	2109-2115	http://dx.doi.org/10.1142/S0217732303011903
18	Breaking of chiral symmetry in Rh-104 and its neighbouring nuclei	Peng, J; Meng, J; Zhang, SQ	CHINESE PHYSICS LETTERS	2003	20	8	1223-1226	
19	Breather dynamics in the perturbed sine-Gordon equation	Tu, T; Cheng, G	COMMUNICATIONS IN THEORETICAL PHYSICS	2003	40	4	390-392	
20	B-s -> mu(+) mu(-) and B -> X-s mu(+)mu(-) in MSSM	Huang, CS; Wu, XH	NUCLEAR PHYSICS B	2003	657	1-3	304-332	http://dx.doi.org/10.1016/S0550-3213(03)00146-9
21	Cabibbo-suppressed non-leptonic decays of Lambda(c) final state interaction	Chen, SL; Guo, XH; Li, XQ; Wang, GL	COMMUNICATIONS IN THEORETICAL PHYSICS	2003	40	5	563-572	
22	Calculation of cross section of radiative halo-neutron capture by C-12 at stellar energy with the asymptotic normalization coefficient method	Wu, KS; Chen, YS; Liu, ZH; Lin, CJ; Zhang, HQ	CHINESE PHYSICS LETTERS	2003	20	1	49-52	http://dx.doi.org/10.1088/0256-307X/20/1/315
23	Can the mechanism for pi(1)->eta pi.eta 'pi hybrid decays be detected?	Zhang, AL; Steele, TG	PHYSICAL REVIEW D	2003	67	7	74020	http://dx.doi.org/10.1103/PhysRevD.67.074020
24	Charged multiplicity density and number of participant nucleons in relativistic nuclear collisions	Sa, BH; Cai, X; Zhou, DM	COMMUNICATIONS IN THEORETICAL PHYSICS	2003	39	2	212-218	
25	Classical and quantum wormholes with tachyon field	Gao, CJ; Shen, YG	CHINESE PHYSICS	2003	12	11	1317-1324	
26	CMB power spectrum from noncommutative spacetime	Huang, QG; Li, M	JOURNAL OF HIGH ENERGY PHYSICS	2003		6	14	
27	Collective properties of low-lying octupole excitations in Pb-208(82)123, Ca-60(20)40 and O-28(8)20	Zhou, XR; Zhao, EG; Dong, BG; Zhang, XZ; Long, GL	NUCLEAR PHYSICS A	2003	723	3-4	375-386	http://dx.doi.org/10.1016/S0375-9474(03)01366-6
28	Collisionless and hydrodynamic excitations of trapped boson-fermion mixtures	Liu, XJ; Hu, H	PHYSICAL REVIEW A	2003	67	2	23613	http://dx.doi.org/10.1103/PhysRevA.67.023613
29	Comment on Time-dependent density-matrix renormalization group: A systematic method for the study of quantum many-body out-of-equilibrium systems	Luo, HG; Xiang, T; Wang, XQ	PHYSICAL REVIEW LETTERS	2003	91	4	49701	http://dx.doi.org/10.1103/PhysRevLett.91.049701
30	Comments on two-loop four-particle amplitude in superstring theory	Wu, JB; Zhu, CJ	JOURNAL OF HIGH ENERGY PHYSICS	2003		5	56	

31	Compression-shear-induced tilt azimuthal orientation of amphiphilic monolayers at the air-water interface: A C-infinity -> C-2 upslon transition in the flow of a two-dimensional hexatic structure	Iwamoto, M; Tojima, A; Manaka, T; Zhong-can, OY	PHYSICAL REVIEW E	2003	67	4	41711	http://dx.doi.org/10.1103/PhysRevE.67.041711
32	Controlled coherent quantum tunneling of atomic ensembles	Miao, YX; Li, Y	COMMUNICATIONS IN THEORETICAL PHYSICS	2003	39	1	109-111	
33	Controlled order rearrangement encryption for quantum key distribution	Deng, FG; Long, GL	PHYSICAL REVIEW A	2003	68	4	42315	http://dx.doi.org/10.1103/PhysRevA.68.042315
34	Cosmological scaling solutions and cross-coupling exponential potential	Guo, ZK; Piao, YS; Cai, RG; Zhang, YZ	PHYSICS LETTERS B	2003	576	1-2	12-17	http://dx.doi.org/10.1016/j.physletb.2003.09.074
35	Cosmological scaling solutions and multiple exponential potentials	Guo, ZK; Piao, YS; Zhang, YZ	PHYSICS LETTERS B	2003	568	1-2	1-7	http://dx.doi.org/10.1016/j.physletb.2003.06.004
36	CP violation in B -> phi K-S in a model III two Higgs doublet model	Huang, CS; Zhu, SH	PHYSICAL REVIEW D	2003	68	11	114020	http://dx.doi.org/10.1103/PhysRevD.68.114020
37	CP violation in B-d,B-s -> l(+)l(-) in model III two Higgs doublet model	Dai, YB; Huang, CS; Li, JT; Li, WJ	PHYSICAL REVIEW D	2003	67	9	96007	http://dx.doi.org/10.1103/PhysRevD.67.096007
38	CP-violating rate difference relations for B -> PP and B -> PV in broken SU(3)	Dariescu, MA; Deshpande, NG; He, XG; Valencia, G	PHYSICS LETTERS B	2003	557	1-2	60-68	http://dx.doi.org/10.1016/S0370-2693(03)00209-0
39	Creating maximally entangled atomic states in a Bose-Einstein condensate	You, L	PHYSICAL REVIEW LETTERS	2003	90	3	30402	http://dx.doi.org/10.1103/PhysRevLett.90.030402
40	Criterion for testing multiparticle negative-partial-transpose entanglement	Zeng, B; Zhou, DL; Zhang, P; Xu, Z; You, L	PHYSICAL REVIEW A	2003	68	4	42316	http://dx.doi.org/10.1103/PhysRevA.68.042316
41	Dark and bright solitons in a quasi-one-dimensional Bose-Einstein condensate	Wang, SJ; Jia, CL; Zhao, D; Luo, HG; An, JH	PHYSICAL REVIEW A	2003	68	1	15601	http://dx.doi.org/10.1103/PhysRevA.68.015601
42	dB quantization of a torus-like black hole	Gao, CJ; Shen, YG	CLASSICAL AND QUANTUM GRAVITY	2003	20	1	119-126 / PII S0264-9381(03)53071-4	http://dx.doi.org/10.1088/0264-9381/20/1/309
43	Decoherence of collective atomic spin states due to inhomogeneous coupling	Sun, CP; Yi, S; You, L	PHYSICAL REVIEW A	2003	67	6	63815	http://dx.doi.org/10.1103/PhysRevA.67.063815
44	Deformed potential energy of (263)Db in a generalized liquid drop model	Chen, BQ; Ma, ZY; Zhao, YL	CHINESE PHYSICS LETTERS	2003	20	11	1936-1939	
45	Density-induced reorientation of the stripe at half-filled high Landau levels	Yang, SJ; Yu, Y	PHYSICAL REVIEW B	2003	68	15	153314	http://dx.doi.org/10.1103/PhysRevB.68.153314
46	Description of Cd-114 in the E(5) symmetry	Zhang, JF; Long, GL; Sun, Y; Zhu, SJ; Liu, FY; Jia, Y	CHINESE PHYSICS LETTERS	2003	20	8	1231-1233	http://dx.doi.org/10.1088/0256-307X/20/8/313
47	Description of chiral doublets in A similar to 130 nuclei and the possible chiral doublets in A similar to 100 nuclei	Peng, J; Meng, J; Zhang, SQ	PHYSICAL REVIEW C	2003	68	4	44324	http://dx.doi.org/10.1103/PhysRevC.68.044324
48	Description of superdeformed bands of the nuclei in A-60 mass region	Liu, YX; Meng, XM	CHINESE PHYSICS LETTERS	2003	20	8	1227-1230	
49	Detection of phase transition of monolayers at the air-water interface by compression using Maxwell displacement current and optical second harmonic generation	Tojima, A; Manaka, T; Iwamoto, M; Zhong-can, OY	JOURNAL OF CHEMICAL PHYSICS	2003	118	12	5640-5649	http://dx.doi.org/10.1063/1.1556093
50	Development of the neckin fusion reactions Ca-40+Zr-90,Zr-96	Wang, N; Wu, XZ; Li, ZX	CHINESE PHYSICS LETTERS	2003	20	9	1466-1469	http://dx.doi.org/10.1088/0256-307X/20/9/316
51	Diffeomorphism invariance and black hole entropy	Huang, CG; Guo, HY; Wu, XN	PHYSICAL REVIEW D	2003	68	10	104006	http://dx.doi.org/10.1103/PhysRevD.68.104006
52	Diffraction photoproduction of eta(c)	Ma, JP	NUCLEAR PHYSICS A	2003	727	3-4	333-352	http://dx.doi.org/10.1016/j.nuclphysa.2003.08.016
53	Dimensional crossover of dilute neon inside infinitely long single-walled carbon nanotubes viewed from specific heats	Tu, ZC; Ou-Yang, ZC	PHYSICAL REVIEW B	2003	68	15	153403	http://dx.doi.org/10.1103/PhysRevB.68.153403
54	Discrete mechanics and the Finite Element Method	Chen, JB; Guo, HY; Wu, K	ARCHIVE OF APPLIED MECHANICS	2003	73	5-6	421-433	http://dx.doi.org/10.1007/s00419-003-0302-9
55	Distances and classification of amino acids for different protein secondary structures	Liu, X; Zhang, LM; Guan, S; Zheng, WM	PHYSICAL REVIEW E	2003	67	5	51927	http://dx.doi.org/10.1103/PhysRevE.67.051927
56	Double-blocking effects in odd-odd superdeformed nucleus Ti-194	He, XT; Liu, SX; Yu, SY; Zhao, EG	HIGH ENERGY PHYSICS AND NUCLEAR PHYSICS-CHINESE EDITION	2003	27	2	124-126	
57	Double-pulse spectra and closed-orbits: Photodetachment of H- in parallel electric and magnetic fields	Du, ML	COMMUNICATIONS IN THEORETICAL PHYSICS	2003	39	6	705-708	
58	Droplets of railtures of He-3-He-4 at finite vorticity	Shi, HL; Chui, ST	PHYSICA B-CONDENSED MATTER	2003	329		166-167	http://dx.doi.org/10.1016/S0921-4526(02)01926-9
59	Dynamic fragmentation of a spinor Bose-Einstein condensate	Mustecaplioglu, OE; Zhang, M; Yi, S; You, L; Sun, CP	PHYSICAL REVIEW A	2003	68	6	63616	http://dx.doi.org/10.1103/PhysRevA.68.063616
60	Dynamic study of fusion reactions for Ca-40,Ca-48+Zr-90,Zr-96 around the Coulomb barrier	Wang, N; Wu, XZ; Li, ZX	PHYSICAL REVIEW C	2003	67	2	24604	http://dx.doi.org/10.1103/PhysRevC.67.024604
61	Dynamically broken supergauge symmetries	Wang, DF; Song, HS; Ying, AN	COMMUNICATIONS IN THEORETICAL PHYSICS	2003	40	5	543-546	
62	Dynamics of optically driven exciton and quantum decoherence	Jin, GR; Liu, YX; Zhou, DL; Sun, CP	COMMUNICATIONS IN THEORETICAL PHYSICS	2003	39	6	723-728	
63	Effect of bilayer coupling on tunneling conductance of double-layer high-T-c cuprates	Su, YH; Chang, J; Lu, HT; Luo, HG; Xiang, T	PHYSICAL REVIEW B	2003	68	21	212501	http://dx.doi.org/10.1103/PhysRevB.68.212501
64	Effect of conversion process (Xi P-->Lambda Lambda) in Xi(-)-hypernuclei	Tan, YH; Lou, YA; Ning, PZ	COMMUNICATIONS IN THEORETICAL PHYSICS	2003	40	1	91-94	

65	Effect of Earth's rotation on the trajectories of free-fall bodies in equivalence principle experiment	Shao, CG; Zhang, YZ; Luan, EJ; Luo, J; Liu, ZZ	COMMUNICATIONS IN THEORETICAL PHYSICS	2003	39	3	297-300	
66	Effect of temperature on hyperon neutron star	Jia, HY; Meng, J; Zhao, EG; Li, J; Sang, JP	HIGH ENERGY PHYSICS AND NUCLEAR PHYSICS-CHINESE EDITION	2003	27	3	200-205	
67	Effect of tensor couplings in a relativistic Hartree approach for finite nuclei	Mao, GJ	PHYSICAL REVIEW C	2003	67	4	44318	http://dx.doi.org/10.1103/PhysRevC.67.044318
68	Effect of tensor interactions on the nucleon and anti-nucleon bound states	Mao, GJ	HIGH ENERGY PHYSICS AND NUCLEAR PHYSICS-CHINESE EDITION	2003	27	8	692-697	
69	Effective photon mass in finite nuclei	Sun, BX; Lu, XF; Shen, PN; Zhao, EG	HIGH ENERGY PHYSICS AND NUCLEAR PHYSICS-CHINESE EDITION	2003	27	4	337-340	
70	Effective photon mass in nuclear matter and finite nuclei	Sun, BX; Lu, XF; Shen, PN; Zhao, EG	MODERN PHYSICS LETTERS A	2003	18	21	1485-1492	http://dx.doi.org/10.1142/S0217732303011332
71	Effects of the Dzyaloshinskii-Moriya interaction on low-energy magnetic excitations in copper benzoate	Zhao, JZ; Wang, XQ; Xiang, T; Su, ZB; Yu, L	PHYSICAL REVIEW LETTERS	2003	90	20	207204	http://dx.doi.org/10.1103/PhysRevLett.90.207204
72	Einstein-Straus problem in higher dimensions	Chatterjee, S; Zhang, YZ; Panigrahi, D	INTERNATIONAL JOURNAL OF MODERN PHYSICS D	2003	12	3	395-405	http://dx.doi.org/10.1142/S0218271803003116
73	Elastic theory of single spider silk protein molecule	Dai, LR; Zhang, Y; Ou-Yang, ZC	THIN SOLID FILMS	2003	438		382-385	http://dx.doi.org/10.1016/S0040-6090(03)00777-6
74	Electron space charge effect on spin injection into semiconductors	Yu, Y; Li, JB; Chui, ST	PHYSICAL REVIEW B	2003	67	19	193201	http://dx.doi.org/10.1103/PhysRevB.67.193201
75	Energy density in quark-gluon plasma	Ma, ZB; Miao, H; Gao, CS	CHINESE PHYSICS LETTERS	2003	20	10	1691-1693	
76	Energy level statistics of the U(5) and O(6) symmetries in the interacting boson model	Shu, J; Ran, Y; Ji, T; Liu, YX	PHYSICAL REVIEW C	2003	67	4	44304	http://dx.doi.org/10.1103/PhysRevC.67.044304
77	Entropy in Kerr-de Sitter black holes with spin fields	Ge, XH; Shen, YG	INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS	2003	42	12	2931-2940	http://dx.doi.org/10.1023/B:IJTP.0000006020.83151.ae
78	Entropy in the NUT-Kerr-Newman black holes due to an arbitrary spin field	Ge, XH; Shen, YG	CLASSICAL AND QUANTUM GRAVITY	2003	20	16	3593-3602 / PII S0264-9381(03)61823-Xx	http://dx.doi.org/10.1088/0264-9381/20/16/305
79	Entropy of Einstein-Maxwell-dilaton-axion black holes	Gao, CJ; Shen, YG	INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS	2003	42	4	817-825	http://dx.doi.org/10.1023/A:1024414717167
80	Entropy of Gibbons-Maeda dilaton black hole due to arbitrary spin fields	Shen, YG	INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS	2003	42	4	827-836	http://dx.doi.org/10.1023/A:1024466701238
81	Entropy of neutrino field in Kerr-Newman-de Sitter space-time	Gao, CJ; Shen, YG	CHINESE PHYSICS LETTERS	2003	20	5	618-621	
82	Estimation on local energy density in relativistic heavy ion collisions	Ma, ZB; Miao, H; Gao, CS	COMMUNICATIONS IN THEORETICAL PHYSICS	2003	39	2	189-192	
83	Evidence for a possible E(5) symmetry in Xe-130	Zhang, DL; Liu, YX	CHINESE PHYSICS LETTERS	2003	20	7	1028-1030	
84	Excited bands and signature dependent electromagnetic decay properties in neutron-rich Dy-159,Dy-161,Dy-163	Jungclauss, A; Binder, B; Dietrich, A; Hartlein, T; Bauer, H; Gund, C; Pansegrau, D; Schwalm, D; Bazzacco, D; Farnea, E; Lunardi, S; Rossi-Alvarez, C; Ur, C; de Angelis, G; Gadea, A; Napoli, DR; Zhou, XR; Sun, Y	PHYSICAL REVIEW C	2003	67	3	34302	http://dx.doi.org/10.1103/PhysRevC.67.034302
85	Exclusive B meson rare decays and general relations of form factors in effective field theory of heavy quarks	Zhong, M; Wu, YL; Wang, WY	INTERNATIONAL JOURNAL OF MODERN PHYSICS A	2003	18	11	1959-1989	http://dx.doi.org/10.1142/S0217751X03013661
86	Expansion of a quantum degenerate boson-fermion mixture	Hu, H; Liu, XJ; Modugno, M	PHYSICAL REVIEW A	2003	67	6	63614	http://dx.doi.org/10.1103/PhysRevA.67.063614
87	Experimental realization of a fetching algorithm in a 7-qubit NMR spin Liouville space computer	Long, GL; Xiao, L	JOURNAL OF CHEMICAL PHYSICS	2003	119	16	8473-8481	http://dx.doi.org/10.1063/1.1611177
88	Factorization approach for inclusive production of doubly heavy baryon	Ma, JP; Si, ZG	PHYSICS LETTERS B	2003	568	1-2	135-145	http://dx.doi.org/10.1016/j.physletb.2003.06.064
89	Finite-temperature excitations of a trapped Bose-Fermi mixture	Liu, XJ; Hu, H	PHYSICAL REVIEW A	2003	68	3	33613	http://dx.doi.org/10.1103/PhysRevA.68.033613
90	Flexoelectric origin of nanomechanic deflection in DNA-microcantilever system	Liu, F; Zhang, Y; Ou-Yang, ZC	BIOSENSORS & BIOELECTRONICS	2003	18	5-6	655-660	http://dx.doi.org/10.1016/S0956-5663(03)00047-2
91	Fusion probability in heavy-ion collisions by a dinuclear-system model	Li, W; Wang, N; Li, JF; Xu, H; Zuo, W; Zhao, E; Li, JQ; Scheid, W	EUROPHYSICS LETTERS	2003	64	6	750-756	http://dx.doi.org/10.1209/epl/2003-00622-0
92	Gamow-Teller resonance of Zr-90 in a relativistic approach	Ma, ZY; Chen, BQ	CHINESE PHYSICS LETTERS	2003	20	7	1025-1027	
93	Gauge and Lorentz covariant quark propagator in an arbitrary gluon field	An, YH; Yang, H; Wang, Q	EUROPEAN PHYSICAL JOURNAL C	2003	29	1	65-69	http://dx.doi.org/10.1140/epjc/s2003-01222-5
94	Gauge model of quark-lepton nonuniversality	Li, XY; Ma, E	MODERN PHYSICS LETTERS A	2003	18	20	1367-1375	http://dx.doi.org/10.1142/S0217732303011137
95	gb -> th(-) One loop SUSY-QCD corrections and nondecoupling effects	Wan, LD; Lu, GR; Gao, GP	HIGH ENERGY PHYSICS AND NUCLEAR PHYSICS-CHINESE EDITION	2003	27	3	189-195	
96	General volume-preserving mechanical systems	Zhou, B; Guo, HY; Wu, K	LETTERS IN MATHEMATICAL PHYSICS	2003	64	3	235-243	http://dx.doi.org/10.1023/A:1025765428059

97	General Weitzenbock theory of crystals with different dislocation distributions (vol 299, pg 644, 2002)	Huang, YC; Lin, BL	PHYSICS LETTERS A	2003	306	5-6	369-369	http://dx.doi.org/10.1016/S0375-9601(02)01638-9
98	Generalized counting rule for hard exclusive processes	Ji, XD; Ma, JP; Yuan, F	PHYSICAL REVIEW LETTERS	2003	90	24	241601	http://dx.doi.org/10.1103/PhysRevLett.90.241601
99	Generalized uncertainty principle influences the entropy of a nonstationary black hole	Liu, CZ; Li, X; Zhao, Z	INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS	2003	42	9	2081-2086	http://dx.doi.org/10.1023/A:1027395305437
100	Genomic signal enhancement by clustering	Zheng, WM	COMMUNICATIONS IN THEORETICAL PHYSICS	2003	39	5	631-634	
101	Genomic signal search by dynamic programming	Zheng, WM	COMMUNICATIONS IN THEORETICAL PHYSICS	2003	39	6	761-764	
102	Giant neutron halos in Lambda-hypernuclei Ca-A(Lambda) and Ca-A(Lambda Lambda) in the relativistic continuum Hartree-Bogoliubov theory	Lu, HF; Jie, M; Zhang, SQ	HIGH ENERGY PHYSICS AND NUCLEAR PHYSICS-CHINESE EDITION	2003	27	5	411-415	
103	Giant, hyperon, and deformed halos near the particle drip line	Meng, J; Lu, HF; Zhang, SQ; Zhou, SG	NUCLEAR PHYSICS A	2003	722		366C-371C	http://dx.doi.org/10.1016/S0375-9474(03)01391-5
104	Green's functions of N=1 super Yang-Mills theory and the radius/energy relation	Wang, XJ; Hu, S	PHYSICAL REVIEW D	2003	67	10	105012	http://dx.doi.org/10.1103/PhysRevD.67.105012
105	Ground-state properties of C, O, and Ne isotopes in Hartree-Fock-Bogoliubov calculation with Gogny interaction	Guo, L; Zhao, EG; Sakata, F	COMMUNICATIONS IN THEORETICAL PHYSICS	2003	40	5	573-576	
106	Halo structure of nucleus Al-23	Zhao, YL; Ma, ZY; Chen, BQ; Shen, WQ	CHINESE PHYSICS LETTERS	2003	20	1	53-55	http://dx.doi.org/10.1088/0256-307X/20/1/316
107	Heavy to light meson exclusive semileptonic decays in effective field theory of heavy quarks	Wang, WY; Wu, YL; Zhong, M	PHYSICAL REVIEW D	2003	67	1	14024	http://dx.doi.org/10.1103/PhysRevD.67.014024
108	Higgs-boson production associated with a bottom quark at hadron colliders with supersymmetric QCD corrections	Cao, JJ; Gao, GP; Oakes, RJ; Yang, JM	PHYSICAL REVIEW D	2003	68	7	75012	http://dx.doi.org/10.1103/PhysRevD.68.075012
109	Holography and entropy bounds in Gauss-Bonnet gravity	Cai, RG; Myung, YS	PHYSICS LETTERS B	2003	559	1-2	60-64	http://dx.doi.org/10.1016/S0370-2693(03)00303-4
110	Holography in a radiation-dominated universe with a positive cosmological constant	Cai, RG; Myung, YS	PHYSICAL REVIEW D	2003	67	12	124021	http://dx.doi.org/10.1103/PhysRevD.67.124021
111	Homology of vertex and edge shift matrices in symbolic dynamics and entropy invariants	Cao, KF; Peng, SL	INTERNATIONAL JOURNAL OF MODERN PHYSICS B	2003	17	22-24	4308-4315	http://dx.doi.org/10.1142/S0217979203022362
112	HQET as a large component QCD and comments on the incompleteness of HQET	Wu, YL; Yan, YA; Zhong, M; Zuo, YB; Wang, WY	MODERN PHYSICS LETTERS A	2003	18	19	1303-1316	http://dx.doi.org/10.1142/S0217732303011149
113	Inflationary attractor from tachyonic matter	Guo, ZK; Piao, YS; Cai, RG; Zhang, YZ	PHYSICAL REVIEW D	2003	68	4	43508	http://dx.doi.org/10.1103/PhysRevD.68.043508
114	Influence of nuclear deformation on the potential energy surface in di-nuclear model	Wang, N; Zhao, EG; Li, JF; Li, WF; Xu, HS; Zuo, W; Li, JQ	CHINESE PHYSICS LETTERS	2003	20	5	635-638	
115	Infrared divergence in loop functions	Wan, LD; Cao, JJ	HIGH ENERGY PHYSICS AND NUCLEAR PHYSICS-CHINESE EDITION	2003	27	5	381-385	
116	In-phase implies large likelihood for independent codon model: distinguishing coding from non-coding sequences	Zheng, WM; Wu, F	JOURNAL OF THEORETICAL BIOLOGY	2003	223	2	199-203	http://dx.doi.org/10.1016/S0022-5193(03)00086-9
117	Instanton and higher-loop perturbative contributions to the QCD sum-rule analysis of pseudoscalar gluonium	Zhang, AL; Steele, TG	NUCLEAR PHYSICS A	2003	728	1-2	165-181	http://dx.doi.org/10.1016/j.nuclphysa.2003.08.015
118	Investigation on anomalous diffusion for nuclear fusion reactions	Bao, JD; Zhuo, YZ	PHYSICAL REVIEW C	2003	67	6	64606	http://dx.doi.org/10.1103/PhysRevC.67.064606
119	Isvector giant dipole resonance of stable nuclei in a consistent relativistic random-phase approximation	Cao, LG; Ma, ZY	CHINESE PHYSICS LETTERS	2003	20	9	1459-1461	
120	Lepton flavor-changing scalar interactions and g-2 of the muon	Zhou, YF; Wu, YL	EUROPEAN PHYSICAL JOURNAL C	2003	27	4	577-585	http://dx.doi.org/10.1140/epjc/s2003-01137-1
121	Level inversion and the mean field in Be-11	Gao, ZC; Chen, YS	HIGH ENERGY PHYSICS AND NUCLEAR PHYSICS-CHINESE EDITION	2003	27	12	1100-1105	
122	Limiting temperatures for finite nuclear systems	Liu, M; Li, ZX; Liu, JF	CHINESE PHYSICS LETTERS	2003	20	10	1706-1709	
123	Lipid membranes with free edges	Tu, ZC; Ou-Yang, ZC	PHYSICAL REVIEW E	2003	68	6	61915	http://dx.doi.org/10.1103/PhysRevE.68.061915
124	LMA solution to the solar neutrino problem and a phenomenological charged lepton mass matrix	Bi, XJ; Dai, YB	EUROPEAN PHYSICAL JOURNAL C	2003	27	1	43-47	http://dx.doi.org/10.1140/epjc/s2002-01105-3
125	Low-frequency spins and the ground state in high-T-c cuprates	Panagopoulos, C; Tallon, JL; Rainford, BD; Cooper, JR; Scott, CA; Xiang, T	SOLID STATE COMMUNICATIONS	2003	126	1-2	47-55 / PII S0038-1098(02)00667-1	http://dx.doi.org/10.1016/S0038-1098(02)00667-1
126	Low-lying S-wave and P-wave dibaryons in a nodal structure analysis	Liu, YX; Li, JS; Bao, CG	PHYSICAL REVIEW C	2003	67	5	55207	http://dx.doi.org/10.1103/PhysRevC.67.055207
127	Maximum-entropy calculation of the end-to-end distance distribution of force-stretched chains	Dai, LR; Liu, F; Ou-Yang, ZC	JOURNAL OF CHEMICAL PHYSICS	2003	119	15	8124-8132	http://dx.doi.org/10.1063/1.1610447
128	Measuring CP violation and mass ordering in joint long baseline experiments with superbeams	Whisnant, K; Yang, JM; Young, BL	PHYSICAL REVIEW D	2003	67	1	13004	http://dx.doi.org/10.1103/PhysRevD.67.013004
129	Meson B-c annihilation to leptons and inclusive light hadrons	Wu, XG; Chang, CH; Chen, YQ; Fang, ZY	PHYSICAL REVIEW D	2003	67	9	94001	http://dx.doi.org/10.1103/PhysRevD.67.094001

130	Method of the analytical continuation of the coupling constant in Schrodinger equations	Zhang, SS; Meng, J; Guo, JY	HIGH ENERGY PHYSICS AND NUCLEAR PHYSICS-CHINESE EDITION	2003	27	12	1095-1099	
131	Modified Friedmann equations in R-1-modified gravity	Meng, XH; Wang, P	CLASSICAL AND QUANTUM GRAVITY	2003	20	22	4949-4961 / PII S0264-9381(03)66745-6	http://dx.doi.org/10.1088/0264-9381/20/22/018
132	Molecular phylogeny of coronaviruses including human SARS-CoV	Gao, L; Qi, J; Wei, HB; Sun, YG; Hao, BL	CHINESE SCIENCE BULLETIN	2003	48	12	1170-1174	http://dx.doi.org/10.1360/03wc0254
133	Momentum distribution of a fragment and nucleon removal cross section in the reaction of halo nuclei	Zhao, YL; Ma, ZY; Chen, BQ	COMMUNICATIONS IN THEORETICAL PHYSICS	2003	40	6	693-698	
134	Multisymplectic geometry, local conservation laws and a multisymplectic integrator for the Zakharov-Kuznetsov equation	Chen, JB	LETTERS IN MATHEMATICAL PHYSICS	2003	63	2	115-124	http://dx.doi.org/10.1023/A:1023067332646
135	Multisymplectic structure-preserving in simple finite element method in high dimensional case	Bai, YQ; Liu, Z; Pei, M; Zheng, ZJ	COMMUNICATIONS IN THEORETICAL PHYSICS	2003	40	1	1-8	
136	NCOS and D-branes in time-dependent backgrounds	Cai, RG; Lu, HX; Ohta, N	PHYSICS LETTERS B	2003	551	1-2	178-186 / PII S0370-2693(02)03023-X	http://dx.doi.org/10.1016/S0370-2693(02)03023-X
137	Neutrino bilarge mixing and flavor physics in the flipped SU(5) model	Huang, CS; Li, TJ; Liao, W	NUCLEAR PHYSICS B	2003	673	1-2	331-356	http://dx.doi.org/10.1016/j.nuclphysb.2003.09.016
138	Neutron halos in hypernuclei	Lu, HF; Meng, J; Zhang, SQ; Zhou, SG	EUROPEAN PHYSICAL JOURNAL A	2003	17	1	19-24	http://dx.doi.org/10.1140/epja/i2002-10136-3
139	Neutron star properties in the relativistic mean field theory	Shen, H; Zhang, ZL	CHINESE PHYSICS LETTERS	2003	20	5	650-653	
140	Neutron stars in the model of non-linear realization of SU(2) chiral symmetry spontaneous breaking	Wang, N; Sun, BX; Lu, XF; Zhao, EG	COMMUNICATIONS IN THEORETICAL PHYSICS	2003	39	5	603-606	
141	Noether theorem and black hole's mass formula and entropy	Huang, CG; Guo, HY; Wu, XN	HIGH ENERGY PHYSICS AND NUCLEAR PHYSICS-CHINESE EDITION	2003	27	10	879-883	
142	Noether-charge realization of diffeomorphism algebra	Guo, HY; Huang, CG; Wu, XN	PHYSICAL REVIEW D	2003	67	2	24031	http://dx.doi.org/10.1103/PhysRevD.67.024031
143	Noncommutative inflation and the CMB multipoles	Huang, QG; Li, M	JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS	2003		11	1	
144	Non-equilibrium properties of nano structured materials	Yamazaki, Y; Gleiter, H; Wu, CX; Zhong-can, OY	THERMEC'2003, PTS 1-5	2003	426-4		2363-2368	http://dx.doi.org/10.4028/www.scientific.net/MSF.426-432.2363
145	Nonlocal topological order in antiferromagnetic Heisenberg chains	Qin, SJ; Lou, JZ; Sun, LQ; Chen, CF	PHYSICAL REVIEW LETTERS	2003	90	6	67202	http://dx.doi.org/10.1103/PhysRevLett.90.067202
146	Non-minimally coupled tachyon and inflation	Piao, YS; Huang, QG; Zhang, XM; Zhang, YZ	PHYSICS LETTERS B	2003	570	1-2	1-4	http://dx.doi.org/10.1016/j.physletb.2003.07.047
147	Non-universal critical Casimir force in confined He-4 near the superfluid transition	Chen, XS; Dohm, V	PHYSICA B-CONDENSED MATTER	2003	329		202-203	http://dx.doi.org/10.1016/S0921-4526(02)01957-9
148	Nuclear halo-like phenomena and short-range nuclear correlation	Ma, WX; Hu, ZH; Zhou, LJ; Zhu, JZ; Lu, J	COMMUNICATIONS IN THEORETICAL PHYSICS	2003	40	6	699-701	
149	Octupole strength of beta-stable and drip-line nuclei	Zhou, XR; Wang, N; Dong, BG; Zhang, XZ; Zhao, EG	COMMUNICATIONS IN THEORETICAL PHYSICS	2003	39	3	309-316	
150	On general volume-preserving mechanical systems via cohomology	Zhou, B; Guo, HY; Wu, K	COMMUNICATIONS IN THEORETICAL PHYSICS	2003	40	5	595-600	
151	On variations in discrete mechanics and field theory	Guo, HY; Wu, K	JOURNAL OF MATHEMATICAL PHYSICS	2003	44	12	5978-6004	http://dx.doi.org/10.1063/1.1621058
152	Perturbative correction to transverse Ward-Takahashi relation for the vector vertex	He, HX; Yu, HW	COMMUNICATIONS IN THEORETICAL PHYSICS	2003	39	5	559-560	
153	phi meson production and string fragmentation function in relativistic nucleus-nucleus collisions	Sa, BH; Wang, ZQ; Su, ZD; Lu, ZD; Zhou, DM	HIGH ENERGY PHYSICS AND NUCLEAR PHYSICS-CHINESE EDITION	2003	27	2	147-149	
154	Pion susceptibility of the QCD vacuum from an effective quark-quark interaction	Zong, HS; Qi, S; Chen, W; Sun, WM; Zhao, EG	PHYSICS LETTERS B	2003	576	3-4	289-296	http://dx.doi.org/10.1016/j.physletb.2003.09.099
155	Potential energy surfaces for nucleon exchanging in dinuclear systems	Li, JF; Xu, HS; Li, WF; Zuo, W; Li, JQ; Wang, N; Zhao, EG	HIGH ENERGY PHYSICS AND NUCLEAR PHYSICS-CHINESE EDITION	2003	27	1	48-52	
156	PP-wave black holes and the matrix model	Li, M	JOURNAL OF HIGH ENERGY PHYSICS	2003		5	31	
157	Probing top-color-assisted technicolor from top-charm associated production at the CERN Large Hadron Collider	Cao, JJ; Xiong, ZH; Yang, JM	PHYSICAL REVIEW D	2003	67	7	71701	http://dx.doi.org/10.1103/PhysRevD.67.071701
158	Production ratios of strange baryons from GGP with diquarks	Miao, H; Ma, ZB; Gao, CS	JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS	2003	29	9	2187-2192 / PII S0954-3899(03)61862-1	http://dx.doi.org/10.1088/0954-3899/29/9/313
159	Prokaryotic phylogeny based on complete genomes without sequence alignment	Hao, BL; Qi, J; Wang, B	MODERN PHYSICS LETTERS B	2003	17	3	91-94	http://dx.doi.org/10.1142/S0217984903004968
160	Propagators and masses of light quarks	Zhou, LJ; Zhu, JZ; Ma, WX	COMMUNICATIONS IN THEORETICAL PHYSICS	2003	40	5	558-562	

161	Proton magic even-even isotopes and giant halos of Ca isotopes with relativistic continuum Hartree-Bogoliubov theory	Zhang, SQ; Meng, J; Zhou, SG	SCIENCE IN CHINA SERIES G-PHYSICS MECHANICS & ASTRONOMY	2003	46	6	632-656	http://dx.doi.org/10.1360/03yw0140
162	Pseudospin symmetry in real nuclei	Chen, TS; Lu, HF; Meng, J; Zhou, SG	HIGH ENERGY PHYSICS AND NUCLEAR PHYSICS-CHINESE EDITION	2003	27	4	324-327	
163	Pseudospin symmetry in relativistic framework with harmonic oscillator potential and Woods-Saxon potential	Chen, TS; Lu, HF; Meng, J; Zhang, SQ; Zhou, SG	CHINESE PHYSICS LETTERS	2003	20	3	358-361	http://dx.doi.org/10.1088/0256-307X/20/3/312
164	QCD analysis of quark recombination for leading particle effect	Chang, CH; Ma, JP; Si, ZG	PHYSICAL REVIEW D	2003	68	1	14018	http://dx.doi.org/10.1103/PhysRevD.68.014018
165	Quantization of the space-time with topological defect	Gao, CJ; Shen, YG	CHINESE PHYSICS	2003	12	4	371-376	
166	Quantum computation based on d-level cluster state	Zhou, DL; Zeng, B; Xu, Z; Sun, CP	PHYSICAL REVIEW A	2003	68	6	62303	http://dx.doi.org/10.1103/PhysRevA.68.062303
167	Quantum electrodynamic approach to multiphoton ionization in strong fields	Chen, J; Chen, SG; Liu, J	JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS	2003	36	8	1559-1572 / PII S0953-4075(03)56692-5	http://dx.doi.org/10.1088/0953-4075/36/8/310
168	Quantum evolution near unstable equilibrium point: an algebraic approach	Bai, ZQ; Zheng, WM	JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL	2003	36	11	2737-2746 / PII S0305-4470(03)52144-8	http://dx.doi.org/10.1088/0305-4470/36/11/306
169	Quantum game with restricted matrix strategies	Bo, C; Ma, YJ; Long, GL	COMMUNICATIONS IN THEORETICAL PHYSICS	2003	40	6	655-658	http://dx.doi.org/10.1088/0253-6102/40/6/655
170	Quantum leakage of collective excitations of atomic ensemble induced by spatial motion	Li, Y; Yi, S; You, L; Sun, CP	SCIENCE IN CHINA SERIES G-PHYSICS MECHANICS & ASTRONOMY	2003	46	6	580-588	http://dx.doi.org/10.1360/02yw0229
171	Quantum statistical entropy of six dimensional Horowitz-Strominger black holes	Shen, YG; Gao, CJ; Chen, CY	GENERAL RELATIVITY AND GRAVITATION	2003	35	4	619-630	http://dx.doi.org/10.1023/A:1022910000847
172	Quantum Zeno subspace and entangled Bose-Einstein condensates	Zhang, M; You, L	PHYSICAL REVIEW LETTERS	2003	91	23	230404	http://dx.doi.org/10.1103/PhysRevLett.91.230404
173	Quark condensate in the strange matter	Lu, CF; Lu, XF	COMMUNICATIONS IN THEORETICAL PHYSICS	2003	39	5	593-596	
174	Quark condensates in nuclear matter in the global color symmetry model of QCD	Liu, YX; Gao, DF; Guo, H	PHYSICAL REVIEW C	2003	68	3	35204	http://dx.doi.org/10.1103/PhysRevC.68.0352XX
175	Quasiparticle modes prefer supersymmetry?	Ling, Y; Zhang, HB	PHYSICAL REVIEW D	2003	68	10	101501	http://dx.doi.org/10.1103/PhysRevD.68.101501
176	Quasi-spin-wave quantum memories with a dynamical symmetry	Sun, CP; Li, Y; Liu, XF	PHYSICAL REVIEW LETTERS	2003	91	14	147903	http://dx.doi.org/10.1103/PhysRevLett.91.147903
177	Reevaluation of the density dependence of nucleon radius and mass in the global color symmetry model of QCD	Liu, YX; Gao, DF; Zhou, JH; Guo, H	NUCLEAR PHYSICS A	2003	725		127-138	http://dx.doi.org/10.1016/S0375-9474(03)01574-4
178	Relativistic mean-field approximation with density-dependent screening meson masses in nuclear matter	Sun, BX; Lu, XF; Shen, PN; Zhao, EG	INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS	2003	12	4	543-554	http://dx.doi.org/10.1142/S0218301303001363
179	Relativistic mean-field approximation with density-dependent screening meson masses in nuclear matter	Sun, BX; Lu, XF; Shen, PN; Zhao, EG	INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS	2003	12	4	543-554	http://dx.doi.org/10.1142/S0218301303001363
180	Remarks on the noncommutative Atiyah-Drinfeld-Hitchin-Manin construction	Tian, Y; Zhu, CJ	PHYSICAL REVIEW D	2003	67	4	45016	http://dx.doi.org/10.1103/PhysRevD.67.045016
181	Renormalization of the Cabibbo-Kobayashi-Maskawa matrix in standard model	Zhou, Y	PHYSICS LETTERS B	2003	577	1-2	67-70	http://dx.doi.org/10.1016/j.physletb.2003.10.013
182	Ring formation of single-walled carbon nanotubes: Competition between conformation energy and entropy	Zhang, SL; Zhao, SM; Xia, MG; Zhang, EH; Xu, T	PHYSICAL REVIEW B	2003	68	24	245419	http://dx.doi.org/10.1103/PhysRevB.68.245419
183	Scaling and nonscaling finite-size effects in the Gaussian and the mean spherical model with free boundary conditions	Chen, XS; Dohm, V	PHYSICAL REVIEW E	2003	67	5	56127	http://dx.doi.org/10.1103/PhysRevE.67.056127
184	Search for exotic strange dibaryon in relativistic heavy ion collisions	Gao, CS	COMMUNICATIONS IN THEORETICAL PHYSICS	2003	40	2	188-190	
185	Search for new physics in B-d,B-s -> l(+)l(-)	Huang, CS	NUCLEAR PHYSICS B-PROCEEDINGS SUPPLEMENTS	2003	115		89-92	http://dx.doi.org/10.1016/S0920-5632(02)01960-6
186	Shell correction at the saddle point for superheavy nucleus	Zhang, W; Zhang, SS; Zhang, SQ; Meng, J	CHINESE PHYSICS LETTERS	2003	20	10	1694-1697	
187	Simultaneous space and time synchronization using shared entangled qubits	Liu, XS; Long, GL; Tong, DM	COMMUNICATIONS IN THEORETICAL PHYSICS	2003	40	1	45-47	
188	Single boson realizations of the Higgs algebra	Ruan, D; Wu, C; Sun, HZ	COMMUNICATIONS IN THEORETICAL PHYSICS	2003	40	1	73-76	
189	Small current quark mass-effects on dressed-quark propagator in an effective quark-quark interaction model	Zong, HS; Wu, XH; Sun, WM; Zhao, EG; Wang, F	COMMUNICATIONS IN THEORETICAL PHYSICS	2003	39	2	205-208	
190	Solution of the Dirac equation with special Hulthen potentials	Guo, JY; Meng, J; Xu, FX	CHINESE PHYSICS LETTERS	2003	20	5	602-604	
191	Specific heats of dilute neon inside a long single-walled carbon nanotube	Tu, ZC; Ou-Yang, ZC	JOURNAL OF PHYSICS-CONDENSED MATTER	2003	15	40	6759-6771 / PII S0953-8984(03)63459-4	http://dx.doi.org/10.1088/0953-8984/15/40/013

192	Spectrum of binding system for heavy quark (Q) with an anti-sbottom (b) or for a sbottom and anti-sbottom pair	Chang, CH; Cui, JY; Yang, JM	COMMUNICATIONS IN THEORETICAL PHYSICS	2003	39	2	197-204	
193	Spherical and deformed shell closures in superheavy nuclei	Wu, ZY; Xu, FR; Zhao, EG; Zheng, CK	CHINESE PHYSICS LETTERS	2003	20	10	1702-1705	
194	Spherical relativistic Hartree theory in a Woods-Saxon basis	Zhou, SG; Meng, J; Ring, P	PHYSICAL REVIEW C	2003	68	3	34323	http://dx.doi.org/10.1103/PhysRevC.68.034323
195	Spin alignment of heavy meson revisited	Ma, JP	INTERNATIONAL JOURNAL OF MODERN PHYSICS A	2003	18	8	1351-1356	http://dx.doi.org/10.1142/S0217751X03014708
196	Spin symmetry in the antinucleon spectrum	Zhou, SG; Meng, J; Ring, P	PHYSICAL REVIEW LETTERS	2003	91	26	262501	http://dx.doi.org/10.1103/PhysRevLett.91.262501
197	Spin wave theory for antiferromagnetic XXZ spin model on a triangle lattice in the presence of an external magnetic field	Gan, JY; Zhang, FC; Su, ZB	PHYSICAL REVIEW B	2003	67	14	144427	http://dx.doi.org/10.1103/PhysRevB.67.144427
198	Spin-charge gauge theory of pseudogap: Theory versus experiments	Marchetti, PA; Su, ZB; Yu, L	INTERNATIONAL JOURNAL OF MODERN PHYSICS B	2003	17	18-20	3359-3362	http://dx.doi.org/10.1142/S0217979203020983
199	Spin-orbital gapped phase with least symmetry breaking in the one-dimensional symmetrically coupled spin-orbital model	Zhang, GM; Hu, H; Yu, L	PHYSICAL REVIEW B	2003	67	6	64420	http://dx.doi.org/10.1103/PhysRevB.67.064420
200	Static bistable helices in generalized Helfrich elastic theory of a chiral filament	Liu, QH; Jia, YW; Qi, WH; Ou-Yang, ZC	PHYSICS LETTERS A	2003	317	5-6	401-405	http://dx.doi.org/10.1016/j.physleta.2003.08.067
201	Statistical Behaviors of quantum spectra in superheavy nuclei	Wu, XZ; Li, ZX; Wang, N; Maruhn, JA	COMMUNICATIONS IN THEORETICAL PHYSICS	2003	39	5	597-602	
202	String order in half-integer-spin antiferromagnetic Heisenberg chains	Lou, JZ; Qin, SJ; Chen, CF	PHYSICAL REVIEW LETTERS	2003	91	8	87204	http://dx.doi.org/10.1103/PhysRevLett.91.087204
203	Strong and electroweak interactions and their unification with non-commutative space-time	He, XG	EUROPEAN PHYSICAL JOURNAL C	2003	28	4	557-560	http://dx.doi.org/10.1140/epjc/s2003-01185-5
204	Structure of nonlocal vacuum condensate of quarks	Zhou, LJ; Ma, WX	CHINESE PHYSICS LETTERS	2003	20	12	2137-2139	
205	Study of J/psi(psi')->Gamma(Gamma)over-bar decays in quark model	Ping, RG; Jiang, HQ	COMMUNICATIONS IN THEORETICAL PHYSICS	2003	40	2	183-187	
206	Study of survival probability of super heavy nuclei	Wang, N; Zhao, EG; Li, WF; Li, JF; Xu, HS; Zuo, W; Li, JQ	COMMUNICATIONS IN THEORETICAL PHYSICS	2003	40	2	199-202	
207	Studying K pi S-wave scattering in the K-matrix formalism	Li, L; Zou, BS; Li, GL	PHYSICAL REVIEW D	2003	67	3	34025	http://dx.doi.org/10.1103/PhysRevD.67.034025
208	SU(3) and nonet breaking effects in K-L ->gamma gamma induced by s -> d+2 gluons due to an anomaly	He, XG; Huang, CS; Li, XQ	PHYSICAL REVIEW D	2003	67	9	96005	http://dx.doi.org/10.1103/PhysRevD.67.096005
209	SU(5) symmetry of spdfg interacting boson model	Li, JS; Liu, YX; Gao, P	SCIENCE IN CHINA SERIES G-PHYSICS ASTRONOMY	2003	46	2	204-213	http://dx.doi.org/10.1360/03ygg9028
210	Superfluid response in monolayer high-T-c cuprates	Panagopoulos, C; Xiang, T; Anukool, W; Cooper, JR; Wang, YS; Chu, CW	PHYSICAL REVIEW B	2003	67	22	220502	http://dx.doi.org/10.1103/PhysRevB.67.220502
211	Superradiance of low-density Frenkel excitons in a crystal slab of three-level atoms: The quantum interference effect	Jin, GR; Zhang, P; Liu, YX; Sun, CP	PHYSICAL REVIEW B	2003	68	13	134301	http://dx.doi.org/10.1103/PhysRevB.68.134301
212	Supersymmetric effects in top quark decay into polarized W boson	Cao, JJ; Oakes, RJ; Wang, F; Yang, JM	PHYSICAL REVIEW D	2003	68	5	54019	http://dx.doi.org/10.1103/PhysRevD.68.054019
213	SUSY-induced top quark FCNC processes at linear colliders	Cao, JJ; Xiong, ZH; Yang, JM	NUCLEAR PHYSICS B	2003	651	1-2	87-105	http://dx.doi.org/10.1016/S0550-3213(02)01126-4
214	Symmetry principle preserving and infinity free regularization and renormalization of quantum field theories and the mass gap	Wu, YL	INTERNATIONAL JOURNAL OF MODERN PHYSICS A	2003	18	29	5363-5419	http://dx.doi.org/10.1142/S0217751X03015222
215	Symplectic and multisymplectic schemes with the simple finite element method	Zhen, L; Bai, YQ; Li, QS; Wu, K	PHYSICS LETTERS A	2003	314	5-6	443-455	http://dx.doi.org/10.1016/S0375-9601(03)00955-1
216	Tests for cosmological evolution of a brane Universe model	Meng, XH; Hou, JM; Lu, KY; Zhao, WY	INTERNATIONAL JOURNAL OF MODERN PHYSICS D	2003	12	3	369-379	http://dx.doi.org/10.1142/S0218271803002767
217	The elastic theory of a single DNA molecule	Ou-Yang, ZC; Zhou, H; Zhang, Y	MODERN PHYSICS LETTERS B	2003	17	1	1-10	http://dx.doi.org/10.1142/S0217984903004877
218	The elastic theory of a single DNA molecule	Zhou, HJ; Zhang, Y; Ou-Yang, ZC	PRAMANA-JOURNAL OF PHYSICS	2003	61	2	353-360	http://dx.doi.org/10.1007/BF02708315
219	The elastic theory of a single DNA molecule	Ou-Yang, ZC; Zhou, H; Mang, Y	PROCEEDINGS OF THE INTERNATIONAL SYMPOSIUM ON FRONTIERS OF SCIENCE	2003			445-455	
220	The elastic theory of single-molecule DNA	Ou-Yang, ZC	INTERNATIONAL JOURNAL OF MODERN PHYSICS B	2003	17	1-2	69-75	http://dx.doi.org/10.1142/S0217979203017102
221	The Euler-Lagrange cohomology and general volume-preserving systems	Zhou, B; Guo, HY; Pan, HZ; Wu, K	MODERN PHYSICS LETTERS A	2003	18	27	1911-1923	http://dx.doi.org/10.1142/S0217732303011708
222	The role of isovector meson exchanges to nucleon-nucleon elastic cross-section	Li, QF; Zhao, EG	MODERN PHYSICS LETTERS A	2003	18	38	2713-2723	http://dx.doi.org/10.1142/S021773230301226X
223	Theory for spin and orbital orderings in high-temperature phases in YVO3	De Silva, TN; Joshi, A; Ma, M; Zhang, FC	PHYSICAL REVIEW B	2003	68	18	184402	http://dx.doi.org/10.1103/PhysRevB.68.184402
224	Theory for the force-stretched double-stranded chain molecule	Liu, F; Dai, LR; Ou-Yang, ZC	JOURNAL OF CHEMICAL PHYSICS	2003	119	15	8112-8123	http://dx.doi.org/10.1063/1.1610446
225	Thermodynamics of a trapped Bose-Fermi mixture	Hu, H; Liu, XJ	PHYSICAL REVIEW A	2003	68	2	23608	http://dx.doi.org/10.1103/PhysRevA.68.023608
226	Three-quark light-cone amplitudes of the proton and quark orbital-motion-dependent observables	Ji, XD; Ma, JP; Yuan, F	NUCLEAR PHYSICS B	2003	652	1-3	383-404	http://dx.doi.org/10.1016/S0550-3213(03)00010-5
227	Time varying alpha in N=8 extended supergravity	Huang, QG; Li, M	JOURNAL OF HIGH ENERGY PHYSICS	2003		5	26	

228	Topological charge of noncommutative ADHM instanton	Tian, Y; Zhu, CJ; Song, XC	MODERN PHYSICS LETTERS A	2003	18	24	1691-1703	http://dx.doi.org/10.1142/S0217732303011411
229	Total variation in Hamiltonian formalism and symplectic-energy integrators	Chen, JB; Guo, HY; Wu, K	JOURNAL OF MATHEMATICAL PHYSICS	2003	44	4	1688-1702	http://dx.doi.org/10.1063/1.1559642
230	Toy model for eternal expanding universe driven by quintessence	Gao, CJ; Shen, YG	CHINESE PHYSICS LETTERS	2003	20	9	1656-1658	http://dx.doi.org/10.1088/0256-307X/20/9/371
231	Transfer of information in an anomalous dispersion medium	Huang, CG; Zhang, YZ	SCIENCE IN CHINA SERIES G-PHYSICS MECHANICS & ASTRONOMY	2003	46	4	428-436	http://dx.doi.org/10.1360/02yw0273
232	Transition from band insulator to Mott insulator in one dimension: Critical behavior and phase diagram	Lou, JZ; Qin, SJ; Xiang, T; Chen, CF; Tian, GS; Su, ZB	PHYSICAL REVIEW B	2003	68	4	45110	http://dx.doi.org/10.1103/PhysRevB.68.045110
233	Two-loop superstrings in hyperelliptic language I: the main results	Zheng, ZJ; Wu, JB; Zhu, CJ	PHYSICS LETTERS B	2003	559	1-2	89-98	http://dx.doi.org/10.1016/S0370-2693(03)00310-1
234	Two-loop superstrings in hyperelliptic language II: the cosmological constant and the non-renormalization theorem	Zheng, ZJ; Wu, JB; Zhu, CJ	NUCLEAR PHYSICS B	2003	663	1-2	79-94	http://dx.doi.org/10.1016/S0550-3213(03)00380-8
235	Two-loop superstrings in hyperelliptic language III: the four-particle amplitude	Zheng, ZJ; Wu, JB; Zhu, CJ	NUCLEAR PHYSICS B	2003	663	1-2	95-122	http://dx.doi.org/10.1016/S0550-3213(03)00381-X
236	Two-step quantum direct communication protocol using the Einstein-Podolsky-Rosen pair block	Deng, FG; Long, GL; Liu, XS	PHYSICAL REVIEW A	2003	68	4	42317	http://dx.doi.org/10.1103/PhysRevA.68.042317
237	Understanding the D-sJ(+) (2317) and D-sJ(+) (2460) with sum rules in heavy quark effective theory	Dai, YB; Huang, CS; Liu, C; Zhu, SL	PHYSICAL REVIEW D	2003	68	11	114011	http://dx.doi.org/10.1103/PhysRevD.68.114011
238	Valence-bond spin-liquid state in two-dimensional frustrated spin-1/2 Heisenberg antiferromagnets	Zhang, GM; Hu, H; Yu, L	PHYSICAL REVIEW LETTERS	2003	91	6	67201	http://dx.doi.org/10.1103/PhysRevLett.91.067201
239	Vector meson couplings to nucleons and backward rho and omega production	Amedeek, MK; Li, QF; Zou, BS	COMMUNICATIONS IN THEORETICAL PHYSICS	2003	39	6	667-670	