

SCI Papers of ITP in 2005

No.	Article Title	Authors	Source Title	Year	Volume	Issue	Page	DOI Link
1	1/m (Q) corrections to B → rho I nu decay and vertical bar V-ub vertical bar	Wang, WY; Wu, YL; Zhong, M	PHYSICS LETTERS B	2005	628	3-4	228-238	http://dx.doi.org/10.1016/j.physletb.2005.09.038
2	A class of cosmological matrix models	Li, M	PHYSICS LETTERS B	2005	626		202-208	http://dx.doi.org/10.1016/j.physletb.2005.08.099
3	A direct truncation method for finding abundant exact solutions and application to the one-dimensional higher-order Schrodinger equation	Zhao, D; Luo, HG; Wang, SJ; Wei, Z	CHAOS SOLITONS & FRACTALS	2005	24	2	533-547	http://dx.doi.org/10.1016/j.chaos.2004.09.016
4	A first-principles study of Group IV dimer chains on Si(100)	Chan, TL; Wang, CZ; Lu, ZY; Ho, KM	PHYSICAL REVIEW B	2005	72	4	45405	http://dx.doi.org/10.1103/PhysRevB.72.045405
5	A general initial condition of inflationary cosmology on trans-Planckian physics	Ke, K	INTERNATIONAL JOURNAL OF MODERN	2005	20	18	4331-4335	http://dx.doi.org/10.1142/S0217751X05021178
6	A novel theory of electroweak instantons	Si, TY; Duan, YS	MODERN PHYSICS LETTERS A	2005	20	37	2891-2902	http://dx.doi.org/10.1142/S0217732305018967
7	A protein structural alphabet and its substitution matrix CLESUM	Zheng, WM; Liu, X	TRANSACTIONS ON COMPUTATIONAL SYSTEMS BIOLOGY II	2005	3680		59-67	http://dx.doi.org/10.1109/WOCC.2005.1553741
8	A supersymmetry model of leptons	Liu, C	PHYSICS LETTERS B	2005	609	1-2	111-116	http://dx.doi.org/10.1016/j.physletb.2005.01.050
9	A theory of evolving natural constants based on the unification of general theory of relativity and Dirac's large number hypothesis	Peng, HW	COMMUNICATIONS IN THEORETICAL PHYSICS	2005	43	1	81-88	
10	Analysis of dielectric polarization of organic monolayer at the air-water interface by MDC and SHG spectroscopy	Iwamoto, M; Manaka, T; Ou-Yang, ZC	COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND	2005	257-58		155-159	http://dx.doi.org/10.1016/j.colsurfa.2004.10.018
11	Analysis of shear induced flow in liquid crystal monolayer	Iwamoto, M; Manaka, T; Yamamoto, T; Ou-Yang, ZC	COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND	2005	257-58		51-56	http://dx.doi.org/10.1016/j.colsurfa.2004.10.017
12	Anomalous dissipation: Strong non-Markovian effect and its dynamical origin	Bao, JD; Zhuo, YZ	PHYSICAL REVIEW E	2005	71	1	10102	http://dx.doi.org/10.1103/PhysRevE.71.010102
13	Anthropic principle favours the holographic dark energy	Huang, QG; Li, M	JOURNAL OF COSMOLOGY AND ASTROPARTICLE	2005		3	1	http://dx.doi.org/10.1088/1475-7516/2005/03/001
14	Applicability of self-consistent mean-field theory	Guo, L; Sakata, F; Zhao, EG	PHYSICAL REVIEW C	2005	71	2	24315	http://dx.doi.org/10.1103/PhysRevC.71.024315
15	Application of closed-orbit theory to the spontaneous emission of atoms near a single	Wang, FH; Jin, YP; Gu, BY; Zhou, YS; Wang, XH; Du, ML	PHYSICAL REVIEW A	2005	71	4	44901	http://dx.doi.org/10.1103/PhysRevA.71.044901
16	B-d,s(0)-(B)over-bar(d,s)(0) mixing in the model III 2HDM	Huang, CS; Li, JT	INTERNATIONAL JOURNAL OF MODERN	2005	20	1	161-174	http://dx.doi.org/10.1142/S0217751X05019749
17	Beating patterns in the oscillatory magnetoresistance of a Si modulation-doped AlGaIn/GaN heterostructure	Yao, W; Qiu, ZJ; Gui, YS; Zheng, ZW; Lu, J; Tang, N; Shen, B; Chu, JH	ACTA PHYSICA SINICA	2005	54	5	2247-2251	http://dx.doi.org/10.7498/aps.54.2247
18	Beltrami-de Sitter spacetime and de Sitter invariant special relativity	Guo, HY; Huang, CG; Tian, Y; Xu, Z; Zhou, B	ACTA PHYSICA SINICA	2005	54	6	2494-2504	http://dx.doi.org/10.7498/aps.54.2494
19	Cardy-Verlinde formula and holographic dark	Ke, K; Li, M	PHYSICS LETTERS B	2005	606	1-2	173-176	http://dx.doi.org/10.1016/j.physletb.2004.12.010
20	Characterizing entanglement by momentum jump in the frustrated Heisenberg ring at a quantum phase transition	Qian, XF; Shi, T; Li, Y; Song, Z; Sun, CP	PHYSICAL REVIEW A	2005	72	1	12333	http://dx.doi.org/10.1103/PhysRevA.72.012333
21	Charge qubit storage and its engineered decoherence via microwave cavity	Gao, YB; Li, C	COMMUNICATIONS IN THEORETICAL PHYSICS	2005	43	2	213-218	
22	Charmless decays B → pi pi K and KK in broken SU(3) symmetry	Wu, YL; Zhou, YF	PHYSICAL REVIEW D	2005	72	3	34037	http://dx.doi.org/10.1103/PhysRevD.72.034037
23	Coherent spin mixing dynamics in a spin-1 atomic condensate - art. no. 031602	Zhang, WX; Zhou, DL; Chang, MS; Chapman, MS; You, L	PHYSICAL REVIEW A	2005	72	1	13602	http://dx.doi.org/10.1103/PhysRevA.72.013602
24	Color-octet contributions to P-wave B-c meson hadroproduction	Chang, CH; Qiao, CF; Wang, JX; Wu, XG	PHYSICAL REVIEW D	2005	71	7	74012	http://dx.doi.org/10.1103/PhysRevD.71.074012
25	Comment on New Brans-Dicke wormholes	Bhadra, A; Simaciu, I; Nandi, KK; Zhang, YZ	PHYSICAL REVIEW D	2005	71	12	128501	http://dx.doi.org/10.1103/PhysRevD.71.128501
26	Conformal scaling gauge symmetry and inflationary universe	Wu, YL	INTERNATIONAL JOURNAL OF MODERN	2005	20	4	811-820	http://dx.doi.org/10.1142/S0217751X0502080X
27	Conformal symmetry on the instanton moduli space	Tian, Y	JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL	2005	38	8	1823-1827	http://dx.doi.org/10.1088/0305-4470/38/8/016
28	Constraint dynamics and tracking control to coherence of a thermal dissipative qubit	An, JH; Wang, SJ; Luo, HG	CHINESE PHYSICS LETTERS	2005	22	12	3009-3012	
29	Cooling mechanism for a nonmechanical resonator by periodic coupling to a Cooper pair	Zhang, P; Wang, YD; Sun, CP	PHYSICAL REVIEW LETTERS	2005	95	9	97204	http://dx.doi.org/10.1103/PhysRevLett.95.097204
30	Correlation effects for semiconducting single-wall carbon nanotubes: A density matrix renormalization group study	Ye, F; Wang, BS; Lou, JZ; Su, ZB	PHYSICAL REVIEW B	2005	72	23	233409	http://dx.doi.org/10.1103/PhysRevB.72.233409
31	Cosmological evolution of a quintom model of dark energy	Guo, ZK; Piao, YS; Zhang, XM; Zhang, YZ	PHYSICS LETTERS B	2005	608	3-4	177-182	http://dx.doi.org/10.1016/j.physletb.2005.01.017
32	Cosmological evolution of hessence dark energy and avoidance of the big rip	Wei, H; Cai, RG	PHYSICAL REVIEW D	2005	72	12	123507	http://dx.doi.org/10.1103/PhysRevD.72.123507
33	Cosmological evolution of interacting phantom energy with dark matter	Guo, ZK; Cai, RG; Zhang, YZ	JOURNAL OF COSMOLOGY AND ASTROPARTICLE	2005		5	2	http://dx.doi.org/10.1088/1475-7516/2005/05/002
34	Cosmology with interaction between phantom dark energy and dark matter and the coincidence problem	Cai, RG; Wang, AZ	JOURNAL OF COSMOLOGY AND ASTROPARTICLE	2005		3	2	http://dx.doi.org/10.1088/1475-7516/2005/03/002
35	Critical slowing down in one-dimensional maps and beyond	Hao, BL	JOURNAL OF STATISTICAL PHYSICS	2005	121	5-6	749-757	http://dx.doi.org/10.1007/s10955-005-8669-3
36	Critical temperature of the Gauss system under long-range interactions	Wang, CY; Kong, XM	ACTA PHYSICA SINICA	2005	54	9	4365-4369	http://dx.doi.org/10.7498/aps.54.4365
37	Crossing w=-1 in Gauss-Bonnet brane world with induced gravity	Cai, RG; Zhang, HS; Wang, AZ	COMMUNICATIONS IN THEORETICAL PHYSICS	2005	44	5	948-954	http://dx.doi.org/10.1088/6102/44/5/948
38	Curvature effect on the radial breathing modes of single-walled carbon nanotubes	Xiao, Y; Li, ZM; Yan, XH; Zhang, Y; Mao, YL; Yang, YR	PHYSICAL REVIEW B	2005	71	23	233405	http://dx.doi.org/10.1103/PhysRevB.71.233405
39	Dark energy constraints from the cosmic age and supernova	Feng, B; Wang, XL; Zhang, XM	PHYSICS LETTERS B	2005	607	1-2	35-41	http://dx.doi.org/10.1016/j.physletb.2004.12.071

40	De Sitter thermodynamics from diamonds's temperature	Tian, Y	JOURNAL OF HIGH ENERGY PHYSICS	2005		6	45	
41	Decay $\Upsilon(3S) \rightarrow \Upsilon(1S)\pi^+\pi^-$ and a possible $b\bar{b}$ state	Guo, FK; Shen, PN; Jiang, HQ; Ping, RG	HIGH ENERGY PHYSICS AND NUCLEAR PHYSICS-CHINESE EDITION	2005	29	12	1121-1124	
42	Deformation and orientation effects in the driving potential of the dinuclear model	Li, QF; Zuo, W; Li, WF; Wang, N; Zhao, EG; Li, JQ; Scheid, W	EUROPEAN PHYSICAL JOURNAL A	2005	24	2	223-229	http://dx.doi.org/10.1140/epja/i2004-10138-1
43	Densities of superheavy nuclei at closed shells	Xu, FR; Pei, JC; Stevenson, PD	JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS	2005	31	10	S1541-S1544	http://dx.doi.org/10.1088/0954-3899/31/10/028
44	Density dependence of nucleon radius and mass in the global color symmetry model of QCD with a sophisticated effective gluon propagator	Chang, L; Liu, YX; Guo, H	NUCLEAR PHYSICS A	2005	750	2-4	324-336	http://dx.doi.org/10.1016/j.nuclphysa.2005.01.020
45	Density dependence of the mass and decay constant of pion in nuclear matter in the Dyson-Schwinger equation approach of QCD	Liu, YX; Chao, JY; Chang, L; Yuan, W	CHINESE PHYSICS LETTERS	2005	22	1	46-49	
46	Density distributions of superheavy nuclei	Pei, JC; Xu, FR; Stevenson, PD	PHYSICAL REVIEW C	2005	71	3	34302	http://dx.doi.org/10.1103/PhysRevC.71.034302
47	Discrete gravity and its continuum limit	Ling, Y	MODERN PHYSICS LETTERS A	2005	20	3	213-225	http://dx.doi.org/10.1142/S0217732305015793
48	Doping effects on the two-dimensional spin dimer compound $\text{SrCu}_2(\text{BO}_3)_2$	Liu, GT; Luo, JL; Wang, NL; Jing, XN; Jin, D; Xiang, T; Wu, ZH	PHYSICAL REVIEW B	2005	71	1	14441	http://dx.doi.org/10.1103/PhysRevB.71.014441
49	Duplication and DNA segmental loss in the rice genome: implications for diploidization	Wang, XY; Shi, XL; Hao, BL; Ge, S; Luo, JC	NEW PHYTOLOGIST	2005	165	3	937-946	http://dx.doi.org/10.1111/j.1469-8137.2004.01293.x
50	Dynamically spontaneous symmetry breaking and masses of lightest nonet scalar mesons as composite Higgs bosons	Dai, Yuan-Ben; Wu, Yue-Liang	EUROPEAN PHYSICAL JOURNAL C	2005	39		1-8	http://dx.doi.org/10.1140/epjcd/s2004-01-001-3
51	Effect of pairing correlation on the ground state and collective excitations of nucleus	Cao, LG; Ma, ZY	HIGH ENERGY PHYSICS AND NUCLEAR PHYSICS-CHINESE EDITION	2005	29	4	354-360	
52	Effective boson-spin model for nuclei-ensemble-based universal quantum memory	Zhi, S; Zhang, P; Shi, T; Sun, CP	PHYSICAL REVIEW B	2005	71	20	205314	http://dx.doi.org/10.1003/PhysRevB.71.205314
53	Elasticity of polymer vesicles by osmotic pressure: An intermediate theory between fluid membranes and solid shells	Tu, ZC; Ge, LQ; Li, JB; Ou-Yang, ZC	PHYSICAL REVIEW E	2005	72	2	21806	http://dx.doi.org/10.1103/PhysRevE.72.021806
54	Encoding a logical qubit into physical qubits	Zeng, B; Zhou, DL; Xu, Z; Sun, CP; You, L	PHYSICAL REVIEW A	2005	71	2	22309	http://dx.doi.org/10.1103/PhysRevA.71.022309
55	Energy density and production ratios of Baryon from QGP with diquarks	Ma, ZB; Gao, CS	CHINESE PHYSICS LETTERS	2005	22	8	1862-1865	
56	Energy spectra of anti-nucleons in finite nuclei	Mao, G; Gong, J; Stocker, H; Greiner, W	INTERNATIONAL JOURNAL OF MODERN PHYSICS LETTERS A	2005	20	8-9	2014-2017	http://dx.doi.org/10.1142/S0217751X05023864
57	Engineering antiferromagnetic Heisenberg spin chains for maximizing of the groundstate entanglement	Xin, R; Song, Z; Sun, CP	PHYSICAL REVIEW B	2005	342	1-2	30-35	http://dx.doi.org/10.1016/j.physleta.2005.05.007
58	Entanglement production and decoherence-free subspace of two single-mode cavities embedded in a common environment	An, JH; Wang, SJ; Luo, HG	JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL	2005	38	16	3579-3593	http://dx.doi.org/10.1088/0305-4470/38/16/008
59	Estimations of $\Omega_{\text{eff}}^{(+)} / \Omega_{\text{eff}}^{(-)}$ at RHIC from a QGP model with diquarks	Miao, H; Gao, CS	JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS	2005	31	3	179-184	http://dx.doi.org/10.1088/0954-3899/31/3/002
60	Exclusive semileptonic rare decays $B \rightarrow K^{(*)}\ell^+\ell^-$ in a SUSY $\text{SO}(10)$ GUT	Li, WJ; Dai, YB; Hung, CS	EUROPEAN PHYSICAL JOURNAL C	2005	40	4	565-577	http://dx.doi.org/10.1140/epjc/s2005-02132-2
61	Existence of tensor glueball $\chi(2230)$ and its mass, spin, and decay width	Ma, WX; Hu, ZH; Zhou, LJ	COMMUNICATIONS IN THEORETICAL PHYSICS	2005	43	3	504-508	
62	Exploring final state hadron structure and $\text{SU}(3)$ flavor symmetry breaking effects in $D \rightarrow PP$ and $D \rightarrow PV$ decays	Wu, YL; Zhong, M; Zhou, YF	EUROPEAN PHYSICAL JOURNAL C	2005	42	4	391-402	http://dx.doi.org/10.1140/epjc/s2005-02302-2
63	Factorization and unitarity in superstring theory	Xiao, ZG; Zhu, CJ	JOURNAL OF HIGH ENERGY PHYSICS	2005		8	58	
64	Factorization of large-x quark distributions in a hadron	Ji, XD; Ma, JP; Yuan, F	PHYSICS LETTERS B	2005	610	3-4	247-252	http://dx.doi.org/10.1016/j.physletb.2005.02.019
65	Factorization of the two loop four-particle amplitude in superstring theory revisited	Xiao, ZG; Zhu, CJ	JOURNAL OF HIGH ENERGY PHYSICS	2005		6	2	
66	First law of thermodynamics and Friedmann equations of Friedmann-Robertson-Walker	Cai, RG; Kim, SP	JOURNAL OF HIGH ENERGY PHYSICS	2005		2	50	
67	First-principles study of the (2,2) carbon nanotube	Mao, YL; Yan, XH; Xiao, Y; Xiang, J; Yang, YR; Yu, HL	PHYSICAL REVIEW B	2005	71	3	33404	http://dx.doi.org/10.1103/PhysRevB.71.033404
68	Flat currents of the Green-Schwarz superstrings in $\text{AdS}(5) \times \text{S}^1$ and $\text{AdS}(3) \times \text{S}^3$ backgrounds	Chen, B; He, YL; Zhang, P; Song, XC	PHYSICAL REVIEW D	2005	71	8	86007	http://dx.doi.org/10.1103/PhysRevD.71.086007
69	Flow-induced molecular orientation of amphiphile monolayers: Incorporation of hexatic elasticity into Ericksen-Leslie theory	Iwamoto, M; Zhong-can, OY	PHYSICAL REVIEW E	2005	72	2	21704	http://dx.doi.org/10.1103/PhysRevE.72.021704
70	Generating entangled photon pairs from a cavity-QED system	Zhou, DL; Sun, B; Sun, CP; You, L	PHYSICAL REVIEW A	2005	72	4	40302	http://dx.doi.org/10.1103/PhysRevA.72.040302
71	Geometrical structure effect on localization length of carbon nanotubes	Ran, WQ; Chang, J; Lu, HT; Su, YH; Luo, HG; Xiang, T	CHINESE PHYSICS LETTERS	2005	22	9	2375-2378	
72	Gossamer superconductivity in layered organic compounds $\kappa\text{-(BEDT-TTF)}_2\text{X}$	Gan, JY; Chen, Y; Su, ZB; Zhang, FC	PROGRESS OF THEORETICAL PHYSICS SUPPLEMENT	2005		160	15-27	
73	Gossamer superconductivity near antiferromagnetic mott insulator in layered organic	Gan, JY; Chen, Y; Su, ZB; Zhang, FC	PHYSICAL REVIEW LETTERS	2005	94	6	67005	http://dx.doi.org/10.1103/PhysRevLett.94.067005
74	Gravitino dark matter from gluino late decay in split supersymmetry	Wang, F; Wang, WY; Yang, JM	PHYSICAL REVIEW D	2005	72	7	77701	http://dx.doi.org/10.1103/PhysRevD.72.077701
75	Hadronic production of the $B_c(B_c^*)$ meson induced by the heavy quarks inside the collision hadrons	Chang, CH; Qiao, CF; Wang, JX; Wu, XG	PHYSICAL REVIEW D	2005	72	11	114009	http://dx.doi.org/10.1103/PhysRevD.72.114009
76	Harmonic velocity noise: Non-Markovian features of noise-driven systems at long times	Bao, JD; Song, YL; Ji, Q; Zhuo, YZ	PHYSICAL REVIEW E	2005	72	1	11113	http://dx.doi.org/10.1103/PhysRevE.72.011113
77	Heavy quarkonium $\pi^+\pi^-$ transitions and a possible $b\bar{b}$ state	Guo, FK; Shen, PN; Chiang, HC; Ping, RG	NUCLEAR PHYSICS A	2005	761	3-4	269-282	http://dx.doi.org/10.1016/j.nuclphysa.2005.07.019

78	Heavy quarkonium $\pi^+\pi^-$ transitions and a possible $b(b)\text{-over-bar}q(q)\text{-over-bar}$ state	Guo, FK; Shen, PN; Chiang, HC; Ping, RG	INTERNATIONAL JOURNAL OF MODERN	2005	20	8-9	1893-1896	http://dx.doi.org/10.1142/S0217751X05023578
79	Heavy supersymmetric particle effects in the Higgs boson production associated with a bottom quark pair at the CERN LHC and at the Fermilab	Gao, GP; Oakes, RJ; Yang, JM	PHYSICAL REVIEW D	2005	71	9	95005	http://dx.doi.org/10.1103/PhysRevD.71.095005
80	Hessence: a new view of quintom dark energy	Wei, H; Cai, RG; Zeng, DF	CLASSICAL AND QUANTUM GRAVITY	2005	22	16	3189-3202	http://dx.doi.org/10.1088/0264-9381/22/16/005
81	Hidden local symmetry and chiral effective theory for vector and axial-vector mesons	Ma, YL; Wang, Q; Wu, YL	EUROPEAN PHYSICAL JOURNAL C	2005	39	2	201-208	http://dx.doi.org/10.1140/epjc/s2004-02076-y
82	Higgs physics and CP violation	Wu, YL; Zhou, YF	ICHEP 2005: Proceedings of the 32nd International Conference High Energy Physics Vols 1 and 2	2005			1244-1247	
83	High-spin states in Gd-152	Wang, S; Hua, H; Meng, J; Li, ZH; Zhang, SQ; Xu, FR; Liu, HL; Ye, YL; Jiang, DX; Zheng, T; Wang, QJ; Chen, ZQ; Wu, CE; Zhang, GL; Pang, DY; Wang, J; Lou, JL; Guo, B; Jin, G; Zhou, SG; Zhu, LH; Wu, XG; Li, GS; Wen, SX; He, CY; Cui, XZ; Liu, Y	PHYSICAL REVIEW C	2005	72	2	24317	http://dx.doi.org/10.1103/PhysRevC.72.024317
84	Holographic dark energy reexamined	Gong, YG; Wang, B; Zhang, YZ	PHYSICAL REVIEW D	2005	72	4	43510	http://dx.doi.org/10.1103/PhysRevD.72.043510
85	Holography and holographic dark energy model	Gong, Y; Zhang, YZ	CLASSICAL AND QUANTUM GRAVITY	2005	22	22	4895-4901	http://dx.doi.org/10.1088/0264-9381/22/22/014
86	Holonomic quantum computation using rf superconducting quantum interference devices coupled through a microwave cavity	Zhang, P; Wang, ZD; Sun, JD; Sun, CP	PHYSICAL REVIEW A	2005	71	4	42301	http://dx.doi.org/10.1103/PhysRevA.71.042301
87	Implications of charmless B decays with large direct CP violation	Wu, YL; Zhou, YF	PHYSICAL REVIEW D	2005	71	2	21701	http://dx.doi.org/10.1103/PhysRevD.71.021701
88	Induced magnetic monopole from trapped Lambda-type atom	Zhang, P; Li, Y; Sun, CP	EUROPEAN PHYSICAL JOURNAL D	2005	36	2	229-233	http://dx.doi.org/10.1140/epjdd/e2005-00226-2
89	Inflation in oscillating universe	Piao, YS; Zhang, YZ	NUCLEAR PHYSICS B	2005	725	1-2	265-274	http://dx.doi.org/10.1016/j.nuclphysb.2005.07.021
90	Instantaneous Bethe-Salpeter equation and its analog: Breit-like equation	Chang, CH; Chen, JK	COMMUNICATIONS IN THEORETICAL PHYSICS	2005	44	4	646-650	http://dx.doi.org/10.1088/6102/44/4/646
91	Instantaneous Bethe-Salpeter equation and its exact solution	Chang, CH; Chen, JK; Li, XQ; Wang, GL	COMMUNICATIONS IN THEORETICAL PHYSICS	2005	43	1	113-118	
92	Interacting phantom energy	Guo, ZK; Zhang, YZ	PHYSICAL REVIEW D	2005	71	2	23501	http://dx.doi.org/10.1103/PhysRevD.71.023501
93	Interaction of a surface acoustic wave with a two-dimensional electron gas	Yang, SJ; Zhao, H; Yu, Y	COMMUNICATIONS IN THEORETICAL PHYSICS	2005	44	6	1095-1098	http://dx.doi.org/10.1088/6102/44/6/1095
94	Investigation of phase instability in the binary Gaussian core model	Guo, YY; Chen, XS	ACTA PHYSICA SINICA	2005	54	12	5755-5762	http://dx.doi.org/10.7498/aps.54.5755
95	Is D-S(J) ⁺ (2632) the first radial excitation of D-S*(2112)?	Chang, CH; Kim, CS; Wang, GL	PHYSICS LETTERS B	2005	623	3-4	218-226	http://dx.doi.org/10.1016/j.physletb.2005.07.059
96	Isospin-dependent term in the relativistic microscopic optical potential	Rong, J; Ma, ZY	HIGH ENERGY PHYSICS AND NUCLEAR PHYSICS-CHINESE EDITION	2005	29	10	970-973	
97	K-chameleon and the coincidence problem	Wei, H; Cai, RG	PHYSICAL REVIEW D	2005	71	4	43504	http://dx.doi.org/10.1103/PhysRevD.71.043504
98	Knotted self-dual strings coupled with Kalb-Ramond field	Si, TY	JOURNAL OF HIGH ENERGY PHYSICS	2005		7	60	
99	Late-decaying Q-ball with BBN lifetime	Wang, F; Yang, JM	NUCLEAR PHYSICS B	2005	709	1-2	409-418	http://dx.doi.org/10.1016/j.nuclphysb.2004.12.034
100	Late-time phantom universe in SO(1,1) dark energy model with exponential potential	Wei, YH	MODERN PHYSICS LETTERS A	2005	20	15	1147-1154	http://dx.doi.org/10.1142/S0217732305016774
101	Lepton flavor violation in extra dimension models	Chang, WF; Ng, JN	PHYSICAL REVIEW D	2005	71	5	53003	http://dx.doi.org/10.1103/PhysRevD.71.053003
102	Lightest Higgs boson mass in split supersymmetry with the seesaw mechanism	Cao, JJ; Yang, JM	PHYSICAL REVIEW D	2005	71	11	111701	http://dx.doi.org/10.1103/PhysRevD.71.111701
103	Little Higgs models for non-universality fermion	Chai, Y; Yin, FR	MODERN PHYSICS LETTERS A	2005	20	21	1589-1603	http://dx.doi.org/10.1142/S0217732305016816
104	Localization of the relative position of two atoms induced by spontaneous emission	Zheng, L; Li, C; Li, Y; Sun, CP	PHYSICAL REVIEW A	2005	71	6	62101	http://dx.doi.org/10.1103/PhysRevA.71.062101
105	Long-range frustration in a spin-glass model of the vertex-cover problem	Zhou, HJ	PHYSICAL REVIEW LETTERS	2005	94	21	217203	http://dx.doi.org/10.1103/PhysRevLett.94.217203
106	Long-range frustration in finite connectivity spin glasses: a mean-field theory and its application to the random K-satisfiability problem	Zhou, HJ	NEW JOURNAL OF PHYSICS	2005	7		123	http://dx.doi.org/10.1088/1367-2630/7/1/123
107	Low-energy effective theory for spin dynamics of fluctuating stripes	Cheng, CH	PHYSICAL REVIEW B	2005	72	18	184516	http://dx.doi.org/10.1103/PhysRevB.72.184516
108	Low-lying dipole modes in Ne-26, Ne-28 in the quasiparticle relativistic random phase	Cao, LG; Ma, ZY	PHYSICAL REVIEW C	2005	71	3	34305	http://dx.doi.org/10.1103/PhysRevC.71.034305
109	Magic numbers for superheavy nuclei in relativistic continuum Hartree-Bogoliubov theory	Zhang, W; Meng, J; Zhang, SQ; Geng, LS; Toki, H	NUCLEAR PHYSICS A	2005	753	1-2	106-135	http://dx.doi.org/10.1016/j.nuclphysa.2005.02.086
110	Master equation approach to molecular motor's directed motion	Feng, J; Zhuo, YZ	CHINESE PHYSICS LETTERS	2005	22	2	503-506	http://dx.doi.org/10.1088/0256-307X/22/2/066
111	Measuring large numerical apertures by imaging the angular distribution of radiation of fluorescing molecules	Dai, LR; Gregor, I; von der Hocht, I; Ruckstuhl, T; Enderlein, J	OPTICS EXPRESS	2005	13	23	9409-9414	http://dx.doi.org/10.1364/OPEX.13.009409
112	Measuring the parity of an N-qubit state	Zeng, B; Zhou, DL; You, L	PHYSICAL REVIEW LETTERS	2005	95	11	110502	http://dx.doi.org/10.1103/PhysRevLett.95.110502
113	Mechanics and Newton-Cartan-like gravity on the Newton-Hooke space-time	Tian, Y; Guo, HY; Huang, CG; Xu, Z; Zhou, B	PHYSICAL REVIEW D	2005	71	4	44030	http://dx.doi.org/10.1103/PhysRevD.71.044030
114	Meson spectrum in a non-relativistic model with instanton-induced interaction	Bhavyashri; Kumar, KBV; Hanumaiah, B; Sarangi, S; Zhou, SG	JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS	2005	31	8	981-986	http://dx.doi.org/10.1088/0954-3899/31/8/026
115	Mesoscopic relaxation and elastic properties of two dimensional magnetic nano structured materials	Yamazaki, Y; Ou-Yang, ZC; Lu, KQ; Gleiter, H; Zhu, X; Wilde, G; Shen, DH; Abe, Y; Watanabe, M	JOURNAL OF COMPUTATIONAL AND THEORETICAL NANOSCIENCE	2005	2	2	277-286	http://dx.doi.org/10.1166/jctn.2005.112
116	Midgap states in antiferromagnetic Heisenberg chains with a staggered field	Lou, JZ; Chen, CF; Zhao, JZ; Wang, XQ; Xiang, T; Su, ZB; Yu, L	PHYSICAL REVIEW LETTERS	2005	94	21	217207	http://dx.doi.org/10.1103/PhysRevLett.94.217207
117	Modified string fragmentation function and particle production in nuclear collisions at top RHIC energy	Sa, BH; Tai, A	JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS	2005	31	9	1031-1037	http://dx.doi.org/10.1088/0954-3899/31/9/005

118	Monte Carlo simulation for single RNA unfolding by force	Liu, F; Ou-Yang, ZC	BIOPHYSICAL JOURNAL	2005	88	1	76-84	http://dx.doi.org/10.1529/biophysj.104.049239
119	Multidimensional inhomogeneous cosmology in scalar tensor theory	Panigrahi, D; Chatterjee, S; Zhang, YZ	INTERNATIONAL JOURNAL OF MODERN	2005	14	6	1083-1094	http://dx.doi.org/10.1142/S0218271805007000
120	Multisymplectic geometry, local conservation laws and Fourier pseudospectral discretization for the good Boussinesq Equation	Chen, JB	APPLIED MATHEMATICS AND COMPUTATION	2005	161	1	55-67	http://dx.doi.org/10.1016/j.amc.2003.12.009
121	N=4 supersymmetric morse oscillator and its spectrum-generating algebra	Ruan, D; Sun, HZ	COMMUNICATIONS IN THEORETICAL PHYSICS	2005	44	3	499-504	http://dx.doi.org/10.1088/6102/44/3/499
122	Neutrino quasinormal modes of a Kerr-Newman-de Sitter black hole	Chang, JF; Shen, YG	NUCLEAR PHYSICS B	2005	712	1-2	347-370	http://dx.doi.org/10.1016/j.nuclphysb.2005.01.043
123	Neutron star magnetic field as for nonzero photon mass	Wang, QW; Lu, XF	COMMUNICATIONS IN THEORETICAL PHYSICS	2005	43	4	704-708	
124	New method for spin assignment of superdeformed rotational bands	Mu, LZ; Wu, CS	COMMUNICATIONS IN THEORETICAL PHYSICS	2005	43	4	719-726	
125	New signatures for top in hadron collider	Han, T; Valencia, G; Wang, Y	INTERNATIONAL JOURNAL OF MODERN	2005	20	14	3214-3217	http://dx.doi.org/10.1142/S0217751X05026182
126	Next-to-leading order QCD corrections to the direct top quark production via model-independent FCNC couplings at hadron colliders	Liu, JJ; Li, CS; Yang, LL; Jin, LG	PHYSICAL REVIEW D	2005	72	7	74018	http://dx.doi.org/10.1103/PhysRevD.72.074018
127	Next-to-leading order QCD predictions for A(0)Z(0) associated production at the CERN large hadron collider	Li, Q; Li, CS; Liu, JJ; Jin, LG; Yuan, CP	PHYSICAL REVIEW D	2005	72	3	34032	http://dx.doi.org/10.1103/PhysRevD.72.034032
128	Next-to-leading order QCD predictions for pair production of neutral Higgs bosons at the CERN Large Hadron Collider	Jin, LG; Li, CS; Li, Q; Liu, JJ; Oakes, RJ	PHYSICAL REVIEW D	2005	71	9	95004	http://dx.doi.org/10.1103/PhysRevD.71.095004
129	Non-Abelian Chern-Simons action is topological invariant on 3 simple knot	Si, T	JOURNAL OF MATHEMATICAL PHYSICS	2005	46	12	122301	http://dx.doi.org/10.1063/1.2137721
130	Nonlinear mechanism of charge-qubit decoherence in a lossy cavity: Quasi-normal-	Gao, YB; Wang, YD; Sun, CP	PHYSICAL REVIEW A	2005	71	3	32302	http://dx.doi.org/10.1103/PhysRevA.71.032302
131	Note on Dirac-Born-Infeld dynamics of the D-brane near NS5-branes	Chen, B; Sun, B	PHYSICAL REVIEW D	2005	72	4	46005	http://dx.doi.org/10.1103/PhysRevD.72.046005
132	Note on the generalization of the global embedding Minkowski spacetime approach	Chen, HZ; Tian, Y	PHYSICAL REVIEW D	2005	71	10	104008	http://dx.doi.org/10.1103/PhysRevD.71.104008
133	Note on the slope parameter of the baryonic Lambda(b) -> Lambda(c) Isgur-Wise function	Huang, MQ; Jin, HY; Korner, JG; Liu, C	PHYSICS LETTERS B	2005	629	1	27-32	http://dx.doi.org/10.1016/j.physletb.2005.09.022
134	N-qubit entanglement via the J(y)(2)-type collective interaction	Zhou, DL; Zeng, B; Tang, JS; Xu, Z; You, L	PHYSICS LETTERS A	2005	345	1-3	38-44	http://dx.doi.org/10.1016/j.physleta.2005.07.016
135	NRQCD factorization and universality of NRQCD matrix elements	Ma, JP; Si, ZG	PHYSICS LETTERS B	2005	625	1-2	67-75	http://dx.doi.org/10.1016/j.physletb.2005.08.057
136	On possible S-wave bound states for an N(N)over-tilde system within a constituent quark	Chang, CH; Pang, HR	COMMUNICATIONS IN THEORETICAL PHYSICS	2005	43	2	275-282	
137	On single-copy entanglement	Peschel, I; Zhao, J	JOURNAL OF STATISTICAL MECHANICS-THEORY	2005			P11002	http://dx.doi.org/10.1088/1742-5468/2005/11/P11002
138	On the coupling of phi Meson to nucleons and backward phi production	Amedeker, MK; Li, QF	COMMUNICATIONS IN THEORETICAL PHYSICS	2005	43	3	493-496	http://dx.doi.org/10.1088/0253-6102/43/3/023
139	One-band Hubbard model with hopping asymmetry and the effective theory at finite U: Phase diagram and metal-insulator transition	Wen, YC; Yu, Y	PHYSICAL REVIEW B	2005	72	4	45130	http://dx.doi.org/10.1103/PhysRevB.72.045130
140	Optical selection rules and phase-dependent adiabatic state control in a superconducting quantum circuit	Liu, YX; You, JQ; Wei, LF; Sun, CP; Nori, F	PHYSICAL REVIEW LETTERS	2005	95	8	87001	http://dx.doi.org/10.1103/PhysRevLett.95.087001
141	Oscillations in the spontaneous emission rate of atoms in a dielectric slab: Effects of photon closed orbits	Du, ML; Wang, FH; Jin, YP; Zhou, YS; Wang, XH; Gu, BY	PHYSICAL REVIEW A	2005	71	6	65401	http://dx.doi.org/10.1103/PhysRevA.71.065401
142	Palatini formulation of modified gravity with squared scalar curvature	Meng, XH; Wang, P	GENERAL RELATIVITY AND GRAVITATION	2005	37	2	419-420	http://dx.doi.org/10.1007/s10714-005-0029-8
143	Palatini formulation of the R-1-modified gravity with an additional squared scalar curvature term	Meng, XH; Wang, P	CLASSICAL AND QUANTUM GRAVITY	2005	22	1	23-32	http://dx.doi.org/10.1088/0264-9381/22/1/002
144	Parametrization of fully dressed quark propagator	Ma, WX; Zhu, JZ; Zhou, LJ; Shen, PN; Hu, ZH	COMMUNICATIONS IN THEORETICAL PHYSICS	2005	43	1	147-150	
145	Parametrization of quintessence and its potential	Guo, ZK; Ohta, N; Zhang, YZ	PHYSICAL REVIEW D	2005	72	2	23504	http://dx.doi.org/10.1103/PhysRevD.72.023504
146	Parity, charge conjugation, and SU(3) constraints on threshold enhancement in J/psi decays into gamma p(p)over-bar and Kp(Lambda)over-bar	He, XG; Li, XQ; Ma, JP	PHYSICAL REVIEW D	2005	71	1	14031	http://dx.doi.org/10.1103/PhysRevD.71.014031
147	Phantom cosmology with non-minimally coupled real scalar field	Sun, ZY; Shen, YG	GENERAL RELATIVITY AND GRAVITATION	2005	37	1	243-251	http://dx.doi.org/10.1007/s10714-005-0014-2
148	Phase diagram of double exchange model with antiferromagnetic coupling for localized t(2g) spins in one dimension revisited	Zhang, QL	INTERNATIONAL JOURNAL OF MODERN PHYSICS B	2005	19	24	3731-3743	http://dx.doi.org/10.1142/S0217979205032383
149	Phase diagram of ultracold atoms in optical lattices: Comparative study of slave fermion and slave boson approaches to Bose-Hubbard model	Yu, Y; Chui, ST	PHYSICAL REVIEW A	2005	71	3	33608	http://dx.doi.org/10.1103/PhysRevA.71.033608
150	Power spectra in spacetime noncommutative	Huang, QG; Li, M	NUCLEAR PHYSICS B	2005	713	1-3	219-234	http://dx.doi.org/10.1016/j.nuclphysb.2005.02.002
151	Pp phase shifts from psi -> J/psi pi(+)(pi)(-) decays	Guo, FK; Shen, PN; Jiang, HQ	HIGH ENERGY PHYSICS AND NUCLEAR PHYSICS-CHINESE EDITION	2005	29	9	852-855	
152	Predicting the function of eukaryotic scaffold/matrix attachment regions via DNA	Li, M; Ou-Yang, ZC	JOURNAL OF PHYSICS-CONDENSED MATTER	2005	17	31	S2853-S2860	http://dx.doi.org/10.1088/0953-8984/17/31/011
153	Prediction and formation mechanism of mialix superdeformed nuclei for A similar to 80	Shen, CW; Chen, YS; Tu, Y; Yu, SY; Zhang, DL	HIGH ENERGY PHYSICS AND NUCLEAR PHYSICS-CHINESE EDITION	2005	29	9	875-880	
154	Probing new physics from top quark FCNC processes at linear colliders: a mini review	Yang, JM	ANNALS OF PHYSICS	2005	316	2	529-539	http://dx.doi.org/10.1016/j.aop.2004.11.003
155	Probing new physics from top-charm associated productions at linear colliders	Cao, JJ; Liu, GL; Yang, JM	EUROPEAN PHYSICAL JOURNAL C	2005	41	3	381-391	http://dx.doi.org/10.1140/epjc/s2005-02222-1
156	Probing the curvature and dark energy	Gong, YG; Zhang, YZ	PHYSICAL REVIEW D	2005	72	4	43518	http://dx.doi.org/10.1103/PhysRevD.72.043518
157	Probing the density dependence of the symmetry potential with peripheral heavy-ion collisions	Zhang, YX; Li, ZX	PHYSICAL REVIEW C	2005	71	2	24604	http://dx.doi.org/10.1103/PhysRevC.71.024604

158	P-wave charmonium decays into baryon and antibaryon pairs in quark pair creation model	Ping, RG; Zou, BS; Chiang, HC	EUROPEAN PHYSICAL JOURNAL A	2005	23	1	129-133	http://dx.doi.org/10.1140/epja/i2004-10069-9
159	QCD factorization for semi-inclusive deep-inelastic scattering at low transverse momentum	Ji, XD; Ma, JP; Yuan, F	PHYSICAL REVIEW D	2005	71	3	34005	http://dx.doi.org/10.1103/PhysRevD.71.034005
160	Quantum heat engine with multilevel quantum systems	Quan, HT; Zhang, P; Sun, CP	PHYSICAL REVIEW E	2005	72	5	56110	http://dx.doi.org/10.1103/PhysRevE.72.056110
161	Quantum information storage and state transfer based on spin systems	Song, Z; Sun, CP	LOW TEMPERATURE PHYSICS	2005	31	8-9	686-694	http://dx.doi.org/10.1063/1.2008129
162	Quantum phase transition in a solvable spin	Lou, P	PHYSICAL REVIEW B	2005	72	6	64435	http://dx.doi.org/10.1103/PhysRevB.72.064435
163	Quantum phase transition in a spin-1/2 XX chain with three-spin and uniform long-range interactions	Lou, P	PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS	2005	242	15	3209-3215	http://dx.doi.org/10.1002/pspb.200541185
164	Quantum spectra and classical orbits in two-dimensional equilateral triangular billiards	Lin, SL; Gao, F; Hong, ZP; Du, ML	CHINESE PHYSICS LETTERS	2005	22	1	9-11	
165	Quantum storage and information transfer with superconducting qubits	Wang, YD; Wang, ZD; Sun, CP	PHYSICAL REVIEW B	2005	72	17	172507	http://dx.doi.org/10.1103/PhysRevB.72.172507
166	Quantum teleportation and Kerr-Newman	Ge, XH; Shen, YG	CHINESE PHYSICS	2005	14	8	1512-1516	
167	Quantum teleportation with sonic black holes	Ge, XH; Shen, YG	PHYSICS LETTERS B	2005	623	1-2	141-146	http://dx.doi.org/10.1016/j.physletb.2005.07.036
168	Quantum-state transfer characterized by mode entanglement	Qian, XF; Li, Y; Li, Y; Song, Z; Sun, CP	PHYSICAL REVIEW A	2005	72	6	62329	http://dx.doi.org/10.1103/PhysRevA.72.062329
169	Quantum-state transfer via the ferromagnetic chain in a spatially modulated field	Shi, T; Li, Y; Song, Z; Sun, CP	PHYSICAL REVIEW A	2005	71	3	32309	http://dx.doi.org/10.1103/PhysRevA.71.032309
170	Quantum-state transmission via a spin ladder as a robust data bus	Li, Y; Shi, T; Chen, B; Song, Z; Sun, CP	PHYSICAL REVIEW A	2005	71	2	22301	http://dx.doi.org/10.1103/PhysRevA.71.022301
171	Quasinormal modes in Schwarzschild black holes due to arbitrary spin fields	Shu, FW; Shen, YG	PHYSICS LETTERS B	2005	619	3-4	340-346	http://dx.doi.org/10.1016/j.physletb.2005.05.077
172	Quasinormal modes of Rarita-Schwinger field in Reissner-Nordstrom black hole spacetimes	Shu, FW; Shen, YG	PHYSICS LETTERS B	2005	614	3-4	195-200	http://dx.doi.org/10.1016/j.physletb.2005.03.076
173	Reconsidering the black hole final state in Dirac fields	Ge, XH; Shen, YG	PHYSICS LETTERS B	2005	612	1-2	61-64	http://dx.doi.org/10.1016/j.physletb.2005.02.050
174	Reexamining B \rightarrow π π , π K decays in QCD factorization approach	Li, XQ; Yang, YD	PHYSICAL REVIEW D	2005	72	7	74007	http://dx.doi.org/10.1103/PhysRevD.72.074007
175	Relating quantum information to charged black holes	Ge, XH; Shen, YG	INTERNATIONAL JOURNAL OF MODERN	2005	14	8	1321-1331	http://dx.doi.org/10.1142/S0218271805007073
176	Relation between weight matrix and substitution matrix: motif search by similarity	Zheng, WM	BIOINFORMATICS	2005	21	7	938-943	http://dx.doi.org/10.1093/bioinformatics/bti090
177	Relativistic effects in two-photon decay of quarkonium	Zhou, HQ; Zou, BS	HIGH ENERGY PHYSICS AND NUCLEAR PHYSICS-CHINESE EDITION	2005	29	6	555-560	
178	Relativistic microscopic description of proton-nucleus scattering at energies up to 200 MeV	Rong, J; Ma, ZY	ACTA PHYSICA SINICA	2005	54	4	1528-1537	http://dx.doi.org/10.7498/aps.54.1528
179	Response of the neutron star properties to the equation of state at low density	Zhu, ZH; Ban, SF; Li, J; Meng, J	HIGH ENERGY PHYSICS AND NUCLEAR PHYSICS-CHINESE EDITION	2005	29	6	565-569	
180	Rotation driven shape-phase transition of the yrast nuclear states with O(6) symmetry in the interacting boson model	Mu, LZ; Liu, YX	CHINESE PHYSICS LETTERS	2005	22	6	1354-1357	
181	Rotational damping in a multi-j shell particles-rotor model	Guo, L; Meng, H; Zhao, EG; Sakata, F	NUCLEAR PHYSICS A	2005	753	1-2	136-151	http://dx.doi.org/10.1016/j.nuclphysa.2005.02.106
182	Scale of quantum gravity	Han, T; Willenbrock, S	PHYSICS LETTERS B	2005	616	3-4	215-220	http://dx.doi.org/10.1016/j.physletb.2005.04.040
183	Search for possible way of producing super-heavy elements: Dynamic study on damped reactions of Pu-244+Pu-244, U-238 and Au-197+Au-197	Wang, N; Li, ZX; Wu, XZ; Zhao, EG	MODERN PHYSICS LETTERS A	2005	20	34	2619-2627	http://dx.doi.org/10.1142/S0217732305018232
184	Searching for realistic 4d string models with a Pati-Salam symmetry. Orbifold grand unified theories from heterotic string compactification on	Kobayashi, T; Raby, S; Zhang, RJ	NUCLEAR PHYSICS B	2005	704	1-2	3-55	http://dx.doi.org/10.1016/j.nuclphysb.2004.10.035
185	Sensitivity of neutron radii in a Pb-208 nucleus and a neutron star to nucleon-sigma-rho coupling corrections in relativistic mean field theory	Shen, G; Li, J; Hillhouse, GC; Meng, J	PHYSICAL REVIEW C	2005	71	1	15802	http://dx.doi.org/10.1103/PhysRevC.71.015802
186	Shape coexistence for Hg-179 in relativistic mean-field theory	Wang, N; Meng, J; Zhao, EG	COMMUNICATIONS IN THEORETICAL PHYSICS	2005	44	4	675-678	http://dx.doi.org/10.1088/6102/44/4/675
187	Shape evolution for Sm isotopes in relativistic mean-field theory	Meng, J; Zhang, W; Zhou, SG; Toki, H; Geng, LS	EUROPEAN PHYSICAL JOURNAL A	2005	25	1	23-27	http://dx.doi.org/10.1140/epja/i2005-10066-6
188	Shape evolution of the compound nucleus in the superheavy element synthesis reaction via the BUU model	Wei, L; Liu, YX	CHINESE PHYSICS LETTERS	2005	22	9	2222-2225	
189	Shock waves and cosmological matrix models	Li, M; Song, W	JOURNAL OF HIGH ENERGY PHYSICS	2005		10	73	
190	Short-range coherence of a lattice Bose-atom gas in the Mott insulating phase	Yue, Y	PHYSICAL REVIEW A	2005	72	5	53629	http://dx.doi.org/10.1103/PhysRevA.72.053629
191	Sigma(-)/Sigma(+) ratio as a candidate for probing the density dependence of the symmetry potential at high nuclear densities	Li, Q; Li, Z; Zhao, E; Gupta, RK	PHYSICAL REVIEW C	2005	71	5	54907	http://dx.doi.org/10.1103/PhysRevC.71.054907
192	Single top quark production via SUSY-QCD FCNC couplings at the CERN LHC in the unconstrained MSSM	Liu, JJ; Li, CS; Yang, LL; Jin, LG	NUCLEAR PHYSICS B	2005	705	1-2	3-32	http://dx.doi.org/10.1016/j.nuclphysb.2004.10.048
193	Six-quark amplitudes from fermionic MHV vertices	Su, X; Wu, JB	MODERN PHYSICS LETTERS A	2005	20	14	1065-1075	http://dx.doi.org/10.1142/S0217732305016427
194	Spectra analysis of the two-dimensional elliptic billiards	Xu, XY; Zhang, YH; Huang, FZ; Lin, SL; Du, ML	ACTA PHYSICA SINICA	2005	54	10	4538-4542	http://dx.doi.org/10.7498/aps.54.4538
195	Spontaneous leptogenesis in Brans-Dicke cosmology	Chen, CY; Shen, YG; Feng, B	HIGH ENERGY PHYSICS AND NUCLEAR PHYSICS-CHINESE EDITION	2005	29	11	1033-1040	
196	Study of triaxial superdeformation in Lu-162	Yu, SY; An, GP; Tuya; Shen, CW; Chen, YS	COMMUNICATIONS IN THEORETICAL PHYSICS	2005	44	4	684-686	http://dx.doi.org/10.1088/6102/44/4/684
197	Superfluid response in electron-doped cuprate superconductors	Luo, HG; Xiang, T	PHYSICAL REVIEW LETTERS	2005	94	2	27001	http://dx.doi.org/10.1103/PhysRevLett.94.027001
198	Swapping Kondo resonances in coupled double quantum dots	Zhang, GM; Lu, R; Liu, ZR; Yu, L	PHYSICAL REVIEW B	2005	72	7	73308	http://dx.doi.org/10.1103/PhysRevB.72.073308
199	Teleportation in the background of Schwarzschild space-time	Ge, XH; Shen, YG	PHYSICS LETTERS B	2005	606	1-2	184-188	http://dx.doi.org/10.1016/j.physletb.2004.11.067

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201	Tensor interaction effect in dibaryon	Chen, LZ; Pang, HR; Ping, JL; Wang, F	COMMUNICATIONS IN THEORETICAL PHYSICS	2005	43	1	127-132	
202	Test data sets and evaluation of gene prediction programs on the rice genome	Li, H; Liu, JS; Xu, Z; Jin, J; Fang, L; Gao, L; Li, YD; Xing, ZX; Gao, SG; Liu, T; Li, HH; Li, Y; Fang, LJ; Xie, HM; Zheng, WM; Hao, BL	JOURNAL OF COMPUTER SCIENCE AND TECHNOLOGY	2005	20	4	446-453	http://dx.doi.org/10.1007/s11390-005-0446-x
203	TeV-scale string resonances at hadron colliders	Burikham, P; Figg, T; Han, T	PHYSICAL REVIEW D	2005	71	1	16005	http://dx.doi.org/10.1103/PhysRevD.71.016005
204	The dynamical properties of Rydberg hydrogen atom near a metal surface	Ge, MH; Zhang, YH; Wang, DH; Du, ML; Lin, SL	SCIENCE IN CHINA SERIES G-PHYSICS MECHANICS &	2005	48	6	667-675	http://dx.doi.org/10.1360/142004-85
205	The fate of massive F-strings	Chen, B; Li, M; She, JH	JOURNAL OF HIGH ENERGY PHYSICS	2005		6	9	
206	The Genomes of <i>Oryza sativa</i> : A history of duplications	Yu, J; Wang, J; Lin, W; Li, SG; Li, H; Zhou, J; Ni, PX; Dong, W; Hu, SN; Zeng, CQ; Zhang, JG; Zhang, Y; Li, RQ; Xu, ZY; Li, ST; Li, XR; Zheng, HK; Cong, LJ; Lin, L; Yin, JN; Geng, JN; Li, GY; Shi, JP; Liu, J; Lv, H; Li, J; Wang, J; Deng, YJ; Ran, LH; Shi, XL; Wang, XY; Wu, QF; Li, CF; Ren, XY; Wang, JQ; Wang, XL; Li, DW; Liu, DY; Zhang, XW; Ji, ZD; Zhao, WM; Sun, YQ; Zhang, ZP; Bao, JY; Han, YJ; Dong, LL; Ji, J; Chen, P; Wu, SM; Liu, JS; Xiao, Y; Bu, DB; Tan, JL; Yang, L; Ye, C; Zhang, JF; Xu, JY; Zhou, Y; Yu, YP; Zhang, B; Zhuang, SL; Wei, HB; Liu, B; Lei, M; Yu, H; Li, YZ; Xu, H; Wei, SL; He, XM; Fang, LJ; Zhang, ZJ; Zhang, YZ; Huang, XG; Su, ZX; Tong, W; Li, JH; Tong, ZZ; Li, SL; Ye, J; Wang, LS; Fang, L; Lei, TT; Chen, C; Chen, H; Xu, Z; Li, HH; Huang, HY; Zhang, F; Xu, HY; Li, N; Zhao, CF; Li, ST; Dong, LJ; Huang, YQ; Li, L; Xi, Y; Qi, QH; Li, WJ; Zhang, B; Hu, W; Zhang, YL; Tian, XJ; Jiao, YZ; Liang, XH; Jin, JA; Gao, L; Zheng, WM; Hao, BL; Liu, SQ; Wang, W; Yuan, LP; Cao, ML; McDermott, J; Samudrala, R;	PLOS BIOLOGY	2005	3	2	266-281 / e38	http://dx.doi.org/10.1371/journal.pbio.0030038
207	The $i(13/2)$ proton intruder orbital and the identical superdeformed bands in Ti-193, Ti-194, Ti-195	He, XT; Liu, S; Yu, SY; Zeng, JY; Zhao, EG	EUROPEAN PHYSICAL JOURNAL A	2005	23	2	217-222	http://dx.doi.org/10.1140/epja/i2004-10092-x
208	The intruder orbitals in superdeformed bands and alignment additivity of odd-odd nuclei in the A similar to 190 region	He, XT; Yu, SY; Zeng, JY; Zhao, EG	NUCLEAR PHYSICS A	2005	760	3-4	263-273	http://dx.doi.org/10.1016/j.nuclphysa.2005.06.006
209	The study of dibaryon systems with strangeness on chiral quark model	Pang, HR; Ping, JL; Wu, XH	MODERN PHYSICS LETTERS A	2005	20	1	69-77	http://dx.doi.org/10.1142/S021773230501532X
210	Theoretical calculation of rotational bands of Pt-179 in the particle-triaxial-rotor model	Chen, GJ; Song, HC; Liu, YX	CHINESE PHYSICS LETTERS	2005	22	1	50-52	
211	Theoretical prediction with Monte Carlo simulation for $pp \rightarrow nK(+) \Sigma(+) \Delta(++)$ resonance production	Xie, JJ; Zou, BS; Liu, BC	CHINESE PHYSICS LETTERS	2005	22	9	2215-2218	
212	Theoretical research on triaxial superdeformed band and high spin state nuclei in Lu-168	Yu, SY; Tu, Y; Chen, YS; Shen, CW	HIGH ENERGY PHYSICS AND NUCLEAR PHYSICS-CHINESE EDITION	2005	29	3	258-262	
213	Theoretical study of superdeformed triaxial states in Lu-164	Wang, XM; Yu, SY; Shen, CW; Chen, YS	HIGH ENERGY PHYSICS AND NUCLEAR PHYSICS-CHINESE EDITION	2005	29	1	32-35	
214	Theoretical study on the rotational bands and shape coexistence of (179,) (181,183) Au in the particle-triaxial-rotor model	Chen, GJ; Liu, YX; Song, HC	CHINESE PHYSICS LETTERS	2005	22	6	1358-1361	
215	Theory of Gossamer and resonating valence bond superconductivity	Gan, JY; Zhang, FC; Su, ZB	PHYSICAL REVIEW B	2005	71	1	14508	http://dx.doi.org/10.1103/PhysRevB.71.014508
216	Thermodynamic and magnetic properties of the Archimedean lattices	Zhang, QL	INTERNATIONAL JOURNAL OF MODERN	2005	19	28	4259-4267	http://dx.doi.org/10.1142/S0217979205032681
217	Thermodynamic pressure of a fluid confined in a random porous medium	Dong, W; Chen, XS; Zheng, WM	PHYSICAL REVIEW E	2005	72	1	12201	http://dx.doi.org/10.1103/PhysRevE.72.012201
218	Thermodynamic properties of tetrameric bond-alternating spin chains	Lu, HT; Su, YH; Sun, LQ; Chang, J; Liu, CS; Luo, HG; Xiang, T	PHYSICAL REVIEW B	2005	71	14	144426	http://dx.doi.org/10.1103/PhysRevB.71.144426
219	Thermodynamics of dual conformal field theories for Kerr-AdS black holes	Cai, RG; Cao, LM; Pang, DW	PHYSICAL REVIEW D	2005	72	4	44009	http://dx.doi.org/10.1103/PhysRevD.72.044009
220	Three kinds of special relativity via inverse wick rotation	Guo, HY; Huang, CG; Xu, Z; Zhou, B	CHINESE PHYSICS LETTERS	2005	22	10	2477-2480	
221	Transient dynamics of light propagation in Lambda-atom EIT medium	Li, Y; Liu, XF	COMMUNICATIONS IN THEORETICAL PHYSICS	2005	44	2	356-364	http://dx.doi.org/10.1088/6102/44/2/356
222	Transport properties in the strange-metal phase of high-T-c cuprates: Spin-charge gauge theory versus experiments	Marchetti, PA; Orso, G; Su, ZB; Yu, L	PHYSICAL REVIEW B	2005	71	13	134510	http://dx.doi.org/10.1103/PhysRevB.71.134510
223	Transverse momentum dependent light-cone wave function of B-meson and relation to the momentum integrated one	Ma, JP; Wang, Q	PHYSICS LETTERS B	2005	613	1-2	39-44	http://dx.doi.org/10.1016/j.physletb.2005.03.049
224	Transverse Ward-Takahashi relation to one loop	He, HX	COMMUNICATIONS IN THEORETICAL PHYSICS	2005	44	1	103-106	http://dx.doi.org/10.1088/6102/44/1/103
225	Transverse-momentum-dependent gluon distributions and semi-inclusive processes at hadron colliders	Ji, XD; Ma, JP; Yuan, F	JOURNAL OF HIGH ENERGY PHYSICS	2005		7	20	
226	Triaxial superdeformed band and its formation mechanism in odd-odd nucleus Lu-168	Ya, T; Yu, SY; Chen, YS; Shen, CW; Chen, YJ	CHINESE PHYSICS LETTERS	2005	22	3	568-571	http://dx.doi.org/10.1088/0256-307X/22/3/014
227	Two-loop superstring: explicit computation, factorization, unitarity and beyond	Zhu, CJ	PARTICLES, STRINGS, AND COSMOLOGY	2005	805		391-394	

228	Universal quantum gate, Yang-Baxterization and Hamiltonian	Zhang, Y; Kauffman, LH; Ge, ML	INTERNATIONAL JOURNAL OF QUANTUM INFORMATION	2005	3	4	669-678	http://dx.doi.org/10.1142/S0219749905001547
229	Violation of locality beyond Bell's theorem for multiparticle perfect correlations	Zheng, L; Zheng, TY; Wu, ZY; Wan, F	COMMUNICATIONS IN THEORETICAL PHYSICS	2005	43	3	432-436	
230	Yang-Baxterizations, universal quantum gates and Hamiltonians	Zhang, Yong; Kauffman, Louis H.; Ge, Mo-Lin	QUANTUM INFORMATION PROCESSING	2005	4	3	159-197	http://dx.doi.org/10.1007/s11128-005-7655-7