Constanâ Providĥcia

List of Publications by Year in Descending Order

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

278 papers	6,730 citations	40 h-index	75 g-index
315 ext. papers	7,681 ext. citations	2.8 avg, IF	6.02 L-index

#	Paper	IF	Citations
278	Hybrid stars from a constrained equation of state. *EPJ Web of Conferences*, **2022**, 258, 07001	0.3	0
277	Landau parameters and entrainment matrix of cold stellar matter: effect of the symmetry energy and strong magnetic fields. *Journal of Cosmology and Astroparticle Physics*, **2022**, 2022, 024	6.4	
276	Relativistic Description of Dense Matter Equation of State and Compatibility with Neutron Star Observables: A Bayesian Approach. *Astrophysical Journal*, **2022**, 930, 17	4.7	0
275	Neutron stars within the Bogoliubov quark-meson coupling model. *Physical Review C*, **2021**, 103,	2.7	1
274	Thermal evolution of relativistic hyperonic compact stars with calibrated equations of state. *Physical Review D*, **2021**, 103,	4.9	10
273	Strong magnetic fields: neutron stars with an extended inner crust. *European Physical Journal A*, **2021**, 57, 1	2.5	1
272	Hybrid stars with large strange quark cores constrained by GW170817. *Physical Review D*, **2021**, 103,	4.9	2
271	Unveiling the nuclear matter EoS from neutron star properties: a supervised machine learning approach. *Journal of Cosmology and Astroparticle Physics*, **2021**, 2021, 011	6.4	2
270	Crust-core transition of a neutron star: effect of the temperature under strong magnetic fields. *European Physical Journal A*, **2021**, 57, 1	2.5	0
269	Constraints on high density equation of state from maximum neutron star mass. *Physical Review D*, **2021**, 104,	4.9	2
268	Determination of the symmetry energy from the neutron star equation of state. *Physical Review D*, **2021**, 104,	4.9	2
267	Unveiling the correlations of tidal deformability with the nuclear symmetry energy parameters. *Physical Review C*, **2020**, 102,	2.7	4
266	Quark matter in light neutron stars. *Physical Review D*, **2020**, 102,	4.9	9
265	Relativistic hypernuclear compact stars with calibrated equations of state. *Physical Review D*, **2020**, 101,	4.9	23
264	Empirical constraints on the high-density equation of state from multimessenger observables. *Physical Review D*, **2020**, 101,	4.9	11
263	Spin polarizations under a pseudovector interaction between quarks with the Kobayashi–Maskawa–'t Hooft term in high density quark matter. *International Journal of Modern Physics E*, **2020**, 29, 2050003	0.7	2
262	Neutron stars with large quark cores. *Physical Review D*, **2020**, 101,	4.9	20

261	Low Density In-Medium Effects on Light Clusters from Heavy-Ion Data. *Physical Review Letters*, **2020**, 125, 012701	7.4	9
260	Hybrid stars from a three-flavor NJL model with two kinds of tensor condensates. *International Journal of Modern Physics E*, **2020**, 29, 2050093	0.7	0
259	Pasta Phases Within the QMC Model. *Springer Proceedings in Physics*, **2020**, 649-652	0.2	
258	Nonzero tensor condensates in cold quark matter within the three-flavor Nambu–Jona-Lasinio model with the Kobayashi–Maskawa–'t Hooft interaction. *International Journal of Modern Physics E*, **2020**, 29, 2050036	0.7	1
257	Improved method for the experimental determination of in-medium effects from heavy-ion collisions. *Journal of Physics G: Nuclear and Particle Physics*, **2020**, 47, 105204	2.9	3
256	Neutron Star Properties: Quantifying the Effect of the Crust–Core Matching Procedure. *Universe*, **2020**, 6, 220	2.5	3
255	Role of the conserved charges in the chiral symmetry restoration phase transition. *Physical Review D*, **2020**, 102,	4.9	3
254	Neutron star inner crust: Effects of rotation and magnetic fields. *Physical Review D*, **2020**, 102,	4.9	5
253	Light clusters in warm stellar matter: calibrating the cluster couplings. *European Physical Journal A*, **2020**, 56, 1	2.5	1
252	Effect of the crust on neutron star empirical relations. *Physical Review D*, **2020**, 102,	4.9	7
251	Neutron star properties: Constraining the nuclear matter EoS **2019**,		2
250	Limiting magnetic field for minimal deformation of a magnetized neutron star. *Astronomy and Astrophysics*, **2019**, 627, A61	5.1	14
249	Hadron-quark phase transition: the QCD phase diagram and stellar conversion. *Journal of Cosmology and Astroparticle Physics*, **2019**, 2019, 024-024	6.4	4
248	Tides in merging neutron stars: Consistency of the GW170817 event with experimental data on finite nuclei. *Physical Review C*, **2019**, 99,	2.7	18
247	Hyperonic Stars and the Nuclear Symmetry Energy. *Frontiers in Astronomy and Space Sciences*, **2019**, 6,	3.8	25
246	Hyperonic stars within the Bogoliubov quark meson model for nuclear matter. *International Journal of Modern Physics E*, **2019**, 28, 1950034	0.7	1
245	Full distribution of clusters with universal couplings and in-medium effects. *Physical Review C*, **2019**, 99,	2.7	14
244	Multiple critical endpoints in magnetized three flavor quark matter. *Physical Review D*, **2018**, 97,	4.9	10

243	Light clusters in warm stellar matter: Explicit mass shifts and universal cluster-meson couplings. *Physical Review C*, **2018**, 97,	2.7	17
242	Hybrid stars from the NJL model with a tensor interaction. *Physical Review D*, **2018**, 98,	4.9	3
241	Net baryon-number fluctuations in magnetized quark matter. *Physical Review D*, **2018**, 98,	4.9	6
240	Hyperons in hot dense matter: what do the constraints tell us for equation of state?. *Publications of the Astronomical Society of Australia*, **2018**, 35,	5.5	23
239	Light and heavy clusters in warm stellar matter. *Nuclear Science and Techniques/Hewuli*, **2018**, 29, 1	2.1	7
238	GW170817: Constraining the nuclear matter equation of state from the neutron star tidal deformability. *Physical Review C*, **2018**, 98,	2.7	137
237	Presence of a critical endpoint in the QCD phase diagram from the net-baryon number fluctuations. *Physical Review D*, **2018**, 98,	4.9	8
236	Spontaneous magnetization under a pseudovector interaction between quarks in high density quark matter. *International Journal of Modern Physics E*, **2018**, 27, 1850028	0.7	7
235	Stability of the neutron-proton-electron matter under strong magnetic fields: The covariant Vlasov approach. *Physical Review C*, **2018**, 98,	2.7	2
234	Equations of state for neutron stars and core-collapse supernovae **2018**,		2
233	Spin polarization and color superconductivity in the Nambu□ona-Lasinio model at finite temperature. *Physical Review D*, **2017**, 95,	4.9	7
232	Hyperons in the nuclear pasta phase. *Physical Review C*, **2017**, 96,	2.7	5
231	Light clusters and pasta phases in warm and dense nuclear matter. *Physical Review C*, **2017**, 95,	2.7	11
230	Nuclear pasta phases within the quark-meson coupling model. *Physical Review C*, **2017**, 95,	2.7	13
229	Crust-core transition of a neutron star: Effects of the symmetry energy and temperature under strong magnetic fields. *Physical Review C*, **2017**, 95,	2.7	12
228	Warm unstable asymmetric nuclear matter: Critical properties and the density dependence of the symmetry energy. *Physical Review C*, **2017**, 95,	2.7	7
227	Effect of strong magnetic fields on the crust-core transition and inner crust of neutron stars. *Physical Review C*, **2017**, 95,	2.7	13
226	Hypernuclei and massive neutron stars. *Physical Review C*, **2017**, 95,	2.7	64

225	Vlasov formalism for extended relativistic mean field models: The crust-core transition and the stellar matter equation of state. *Physical Review C*, **2016**, 94,	2.7	43
224	Neutron star radii and crusts: Uncertainties and unified equations of state. *Physical Review C*, **2016**, 94,	2.7	167
223	Correlation of the neutron star crust-core properties with the slope of the symmetry energy and the lead skin thickness. *Physical Review C*, **2016**, 93,	2.7	20
222	Neutron stars: From the inner crust to the core with the (extended) Nambu□ona-Lasinio model. *Physical Review C*, **2016**, 93,	2.7	15
221	Strong correlations of neutron star radii with the slopes of nuclear matter incompressibility and symmetry energy at saturation. *Physical Review C*, **2016**, 94,	2.7	47
220	Two-solar-mass hybrid stars: A two model description using the Nambu□ona-Lasinio quark model. *Physical Review D*, **2016**, 94,	4.9	32
219	Spin polarization in high density quark matter under a strong external magnetic field. *International Journal of Modern Physics E*, **2016**, 25, 1650106	0.7	2
218	Neutrino diffusion in the pasta phase matter within the Thomas-Fermi approach. *European Physical Journal A*, **2016**, 52, 1	2.5	5
217	Pasta phases in core-collapse supernova matter. *Journal of Physics: Conference Series*, **2016**, 706, 042007	0.3	
216	Hyperons in neutron stars and supernova cores. *European Physical Journal A*, **2016**, 52, 1	2.5	28
215	QMC approach based on the Bogoliubov independent quark model of the nucleon. *International Journal of Modern Physics E*, **2016**, 25, 1650007	0.7	5
214	A possible framework of the Lipkin model obeying the SU(n) algebra in arbitrary fermion number. I: The SU(2) algebras extended from the conventional fermion pair and determination of the minimum weight states. *Progress of Theoretical and Experimental Physics*, **2016**, 2016, 083D03	5.4	1
213	A possible framework of the Lipkin model obeying the SU(n) algebra in arbitrary fermion number. II: Two subalgebras in the SU(n) Lipkin model and an approach to the construction of a linearly independent basis. *Progress of Theoretical and Experimental Physics*, **2016**, 2016, 083D04	5.4	0
212	Spin-polarized versus chiral condensate in quark matter at finite temperature and density. *Progress of Theoretical and Experimental Physics*, **2016**, 2016, 053D02	5.4	9
211	Larger and more heterogeneous neutron star crusts: A result of strong magnetic fields. *Physical Review C*, **2016**, 94,	2.7	13
210	Quark matter nucleation in neutron stars and astrophysical implications. *European Physical Journal A*, **2016**, 52, 1	2.5	53
209	Spin polarization versus color-flavor locking in high-density quark matter. *Progress of Theoretical and Experimental Physics*, **2015**, 2015, 13D02-0	5.4	11
208	Magnetic susceptibility and magnetization properties of asymmetric nuclear matter in a strong magnetic field. *Physical Review C*, **2015**, 91,	2.7	17

207	Effect of Tensor Correlations on the Density Dependence of the Nuclear Symmetry Energy. *Symmetry*, **2015**, 7, 15-31	2.7	0
206	Hyperons in neutron star matter within relativistic mean-field models. *Journal of Physics G: Nuclear and Particle Physics*, **2015**, 42, 075202	2.9	90
205	Anisotropy in the equation of state of magnetized quark matter. *Physical Review C*, **2015**, 91,	2.7	13
204	Influence of the inverse magnetic catalysis and the vector interaction in the location of the critical end point. *Physical Review D*, **2015**, 92,	4.9	26
203	Light clusters, pasta phases, and phase transitions in core-collapse supernova matter. *Physical Review C*, **2015**, 91,	2.7	33
202	Hyperons in neutron star matter within relativistic mean-field models. *Physics of Particles and Nuclei* , **2015**, 46, 830-834	0.7	4
201	Spontaneous magnetization in high-density quark matter. *Progress of Theoretical and Experimental Physics*, **2015**, 2015, 103D01	5.4	10
200	Quark matter subject to strong magnetic fields: phase diagram and applications. *Journal of Physics: Conference Series*, **2015**, 630, 012026	0.3	
199	New boson realization of the Lipkin model obeying the su(2)-algebra. *Progress of Theoretical and Experimental Physics*, **2015**, 2015, 63D01-0	5.4	1
198	Beyond the Schwinger boson representation of the su(2)-algebra. *Progress of Theoretical and Experimental Physics*, **2015**, 2015,	5.4	2
197	Inverse Magnetic Catalysis in the Polyakov--Nambu--Jona-Lasinio and Entangled Polyakov--Nambu--Jona-Lasinio Models. *Acta Physica Polonica B, Proceedings Supplement*, **2015**, 8, 207	1.8	4
196	Imprint of the symmetry energy on the inner crust and strangeness content of neutron stars. *European Physical Journal A*, **2014**, 50, 1	2.5	31
195	Tensor force effects and high-momentum components in the nuclear symmetry energy. *European Physical Journal A*, **2014**, 50, 1	2.5	17
194	Equation of state and thickness of the inner crust of neutron stars. *Physical Review C*, **2014**, 90,	2.7	61
193	Quark spin polarization in high density quark matter. *EPJ Web of Conferences*, **2014**, 66, 04029	0.3	
192	Inverse magnetic catalysis in the (2+1)-flavor Nambu–Jona-Lasinio and Polyakov–Nambu–Jona-Lasinio models. *Physical Review D*, **2014**, 89,	4.9	106
191	Deconfinement and chiral restoration within the SU(3) Polyakov–Nambu–Jona-Lasinio and entangled Polyakov–Nambu–Jona-Lasinio models in an external magnetic field. *Physical Review D*, **2014**, 89,	4.9	80
190	Strange quark chiral phase transition in hot 2+1-flavor magnetized quark matter. *Physical Review D*, **2014**, 90,	4.9	20

189	Repulsive vector interaction in three-flavor magnetized quark and stellar matter. *Physical Review C*, **2014**, 89,	2.7	42
188	Deconfinement, chiral symmetry restoration and thermodynamics of (2+1)-flavor hot QCD matter in an external magnetic field. *Physical Review D*, **2014**, 89,	4.9	22
187	Effects of the symmetry energy on the kaon condensates in the quark-meson coupling model. *Physical Review C*, **2014**, 89,	2.7	5
186	Phase transition and critical end point driven by an external magnetic field in asymmetric quark matter. *Physical Review D*, **2014**, 89,	4.9	30
185	Publisher's Note: Deconfinement and chiral restoration within the SU(3) Polyakov–Nambu–Jona-Lasinio and entangled Polyakov–Nambu–Jona-Lasinio models in an external magnetic field [Phys. Rev. D 89, 016002 (2014)]. *Physical Review D*, **2014**, 89,	4.9	12
184	Relativistic mean-field hadronic models under nuclear matter constraints. *Physical Review C*, **2014**, 90,	2.7	228
183	Two-meson exchange hyperonic three-body forces and consequences for neutron stars. *Nuclear Physics A*, **2013**, 914, 433-437	1.3	3
182	Relativistic mean-field models and nuclear matter constraints **2013**,		2
181	Interplay between spin polarization and color superconductivity in high density quark matter. *Progress of Theoretical and Experimental Physics*, **2013**, 2013,	5.4	4
180	A pseudo su(1,1)-algebraic deformation of the Cooper pair in the su(2)-algebraic many-fermion model. *Progress of Theoretical and Experimental Physics*, **2013**, 2013, 103D04-103D04	5.4	1
179	Quark–hadron phase transition in an extended Nambu–Jona-Lasinio model with scalar–vector interaction: Finite temperature and baryon chemical potential case. *Progress of Theoretical and Experimental Physics*, **2013**, 2013,	5.4	8
178	Effect of strong magnetic fields on the nuclear "pasta" phase structure. *Physical Review C*, **2013**, 88,	2.7	14
177	Interplay between the symmetry energy and the strangeness content of neutron stars. *Physical Review C*, **2013**, 87,	2.7	47
176	Formation of hybrid stars from metastable hadronic stars. *Physical Review C*, **2013**, 88,	2.7	30
175	SPIN POLARIZATION IN HIGH DENSITY QUARK MATTER. *International Journal of Modern Physics E*, **2013**, 22, 1350019	0.7	14
174	AN ATTEMPT AT A RESONATING MEAN-FIELD THEORETICAL DESCRIPTION OF THERMAL BEHAVIOR OF TWO-GAP SUPERCONDUCTIVITY. *International Journal of Modern Physics B*, **2013**, 27, 1350079	1.1	1
173	Compact stars and the symmetry energy. *Journal of Physics: Conference Series*, **2013**, 413, 012023	0.3	3
172	Tensor force and the nuclear symmetry energy. *Journal of Physics: Conference Series*, **2013**, 420, 012091	0.3	

171	Magnetization of High Density Hadronic Fluid. *Brazilian Journal of Physics*, **2012**, 42, 68-76	1.2	12
170	BCS Theory of Hadronic Matter at High Densities. *Brazilian Journal of Physics*, **2012**, 42, 59-67	1.2	1
169	Chiral model approach to quark matter nucleation in neutron stars. *Physical Review D*, **2012**, 85,	4.9	28
168	QCD critical end point under strong magnetic fields. *Physical Review D*, **2012**, 85,	4.9	57
167	Background of the su(2)-Algebraic Many-Fermion Models in the Boson Realization **2012**, 127, 117-143		1
166	Re-Formation of Many-Quark Model with the su(4)-Algebraic Structure in the Schwinger Boson Realization: --Reconsideration in the Original Fermion Space-- **2012**, 127, 751-768		
165	Effective Potential Approach to Quark Ferromagnetization in High Density Quark Matter **2012**, 128, 507-522		18
164	Neutron star inner crust and symmetry energy. *Physical Review C*, **2012**, 85,	2.7	53
163	Quark matter nucleation with a microscopic hadronic equation of state. *Physical Review C*, **2012**, 85,	2.7	21
162	Light clusters in nuclear matter and the pasta phase. *Physical Review C*, **2012**, 85,	2.7	33
161	Description of light clusters in relativistic nuclear models. *Physical Review C*, **2012**, 85,	2.7	18
160	Compact stars within a soft symmetry energy quark-meson-coupling model. *Physical Review C*, **2012**, 85,	2.7	24
159	A NEW DESCRIPTION OF MOTION OF THE FERMIONIC SO(2N+2) TOP IN THE CLASSICAL LIMIT UNDER THE QUASI-ANTICOMMUTATION RELATION APPROXIMATION. *International Journal of Modern Physics A*, **2012**, 27, 1250054	1.2	2
158	The BCS-Bogoliubov and the su(2)-Algebraic Approach to the Pairing Model in Many-Fermion System: -- The Quasiparticle in the Conservation of the Fermion Number -- **2012**, 128, 693-715		
157	The Symmetry energy of nuclear matter under a strong magnetic field. *Journal of Physics: Conference Series*, **2012**, 342, 012002	0.3	1
156	Effect of the symmetry energy on compact stars. *Journal of Physics: Conference Series*, **2012**, 342, 012008	0.3	
155	Symmetry energy within the BHF approach. *Journal of Physics: Conference Series*, **2012**, 342, 012012	0.3	
154	Effect of hyperonic three-body forces on the maximum mass of neutron stars. *Journal of Physics: Conference Series*, **2012**, 342, 012006	0.3	15

153	Evolution of proto-neutron stars with hadron□quark phase transition. *Journal of Physics: Conference Series*, **2012**, 342, 012001	0.3	1
152	Evolution of newborn neutron stars: role of quark matter nucleation. *Journal of Physics: Conference Series*, **2011**, 336, 012021	0.3	
151	Effects of quark matter nucleation on the evolution of proto-neutron stars. *Astronomy and Astrophysics*, **2011**, 528, A71	5.1	30
150	Symmetry Energy, Neutron Star Crust and Neutron Skin Thickness. *Few-Body Systems*, **2011**, 50, 327-329	1.6	
149	Anomaly-free supersymmetric (frac{{{text{SO}}left({2N + 2} right)}}{{{text{U}}left({N + 1} right)}}) □model based on the SO(2N + 1) Lie algebra of the fermion operators. *Journal of High Energy Physics*, **2011**, 2011, 1	5.4	1
148	Estimation of the effect of hyperonic three-body forces on the maximum mass of neutron stars. *Europhysics Letters*, **2011**, 94, 11002	1.6	126
147	Warm and dense stellar matter under strong magnetic fields. *Physical Review C*, **2011**, 84,	2.7	30
146	Core-crust transition in neutron stars: Predictivity of density developments. *Physical Review C*, **2011** , 83,	2.7	124
145	Nuclear symmetry energy and the role of the tensor force. *Physical Review C*, **2011**, 84,	2.7	65
144	Landau parameters for asymmetric nuclear matter with a strong magnetic field. *Physical Review C*, **2011**, 84,	2.7	11
143	Neutron star properties and the symmetry energy. *Physical Review C*, **2011**, 84,	2.7	62
142	Hadron-quark phase transition in asymmetric matter with boson condensation. *Physical Review C*, **2011**, 83,	2.7	27
141	Quark matter under strong magnetic fields in chiral models. *Physical Review C*, **2011**, 83,	2.7	22
140	Finite temperature quark matter under strong magnetic fields. *Physical Review C*, **2011**, 83,	2.7	40
139	On the Color-Singlet States in Many-Quark Model with the su(4)-Algebraic Structure. I **2011**, 126, 115-134		
138	FINITE TEMPERATURE MATTER SUBJECT TO STRONG MAGNETIC FIELDS. *International Journal of Modern Physics E*, **2011**, 20, 93-99	0.7	
137	On the Color-Singlet States in Many-Quark Model with the su(4)-Algebraic Structure. II: --Determination of Ground-State Energies-- **2011**, 126, 293-311		
136	Nucleation of Quark Matter in Proto-Neutron Stars. *Progress of Theoretical Physics Supplement*, **2010**, 186, 32-38		2

135	Dense stellar matter with trapped neutrinos under strong magnetic fields. *Journal of Physics G: Nuclear and Particle Physics*, **2010**, 37, 075102	2.9	21
134	Warm pasta phase in the Thomas-Fermi approximation. *Physical Review C*, **2010**, 82,	2.7	60
133	Warm stellar matter within the quark-meson-coupling model. *Physical Review C*, **2010**, 82,	2.7	14
132	Compact stars with a quark core within the Nambu Jona-Lasinio (NJL) model. *Physical Review C*, **2010**, 82,	2.7	14
131	Dynamical properties of nuclear and stellar matter and the symmetry energy. *Physical Review C*, **2010**, 82,	2.7	19
130	Isospin constraints on the parametric coupling model for nuclear matter. *Physical Review C*, **2010**, 81,	2.7	5
129	particles and the pasta phase in nuclear matter. *Physical Review C*, **2010**, 82,	2.7	26
128	PARAMETRIC COUPLING MODEL: RECENT ADVANCES. *International Journal of Modern Physics D*, **2010**, 19, 1463-1468	2.2	
127	EXOTIC PHASES IN HOT NEUTRONPROTONELECTRON (NPE) MATTER. *International Journal of Modern Physics D*, **2010**, 19, 1587-1592	2.2	1
126	First-Order Quark-Hadron Phase-Transition in a NJL-Type Model for Nuclear and Quark Matter: -- The Case of Symmetric Nuclear Matter -- **2010**, 123, 1013-1028		7
125	Color symmetrical superconductivity in a schematic nuclear quark model. *Europhysics Letters*, **2010**, 89, 42001	1.6	
124	Nuclear symmetry energy and core-crust transition in neutron stars: A critical study. *Europhysics Letters*, **2010**, 91, 32001	1.6	57
123	Quarks stars in SU(2) Nambu-Jona-Lasinio model with vector coupling. *Nuclear Physics, Section B, Proceedings Supplements*, **2010**, 199, 325-328		6
122	Quark matter under strong magnetic fields in the su(3) Nambu Jona-Lasinio model. *Physical Review C*, **2009**, 80,	2.7	108
121	Dynamical instabilities of warm npe matter: meson effects. *Physical Review C*, **2009**, 80,	2.7	17
120	Low density instabilities in asymmetric nuclear matter within the quark-meson coupling (QMC) model with the meson. *Physical Review C*, **2009**, 79,	2.7	16
119	Nuclear pasta phase within density dependent hadronic models. *Physical Review C*, **2009**, 79,	2.7	61
118	Particle production within the quark meson coupling model. *Physical Review C*, **2009**, 80,	2.7	2

117	Density dependence of the nuclear symmetry energy: A microscopic perspective. *Physical Review C*, **2009**, 80,	2.7	161
116	Spinodal instabilities and the distillation effect in nuclear matter under strong magnetic fields. *Physical Review C*, **2009**, 79,	2.7	12
115	Effect of the meson on the instabilities of nuclear matter under strong magnetic fields. *Physical Review C*, **2009**, 80,	2.7	11
114	Quarkadron phase transition in a neutron star under strong magnetic fields. *Journal of Physics G: Nuclear and Particle Physics*, **2009**, 36, 115204	2.9	62
113	Many-Quark Model with su(4) Algebraic Structure: An Example of Analytically Soluble Many-Fermion System **2009**, 121, 1237-1287		
112	Note on Many-Quark Model with su(4) Algebraic Structure **2009**, 122, 693-711		2
111	The Bonn nuclear quark model revisited. *Annals of Physics*, **2009**, 324, 1666-1675	2.5	1
110	Hadron production in non-linear relativistic mean field models. *Nuclear Physics A*, **2009**, 826, 178-189	1.3	25
109	Quark matter nucleation in hot hadronic matter. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2009**, 680, 448-452	4.2	55
108	Color-symmetric superconductivity in a phenomenological QCD model. *European Physical Journal A*, **2009**, 41, 355-360	2.5	5
107	Quark matter under strong magnetic fields in the Nambuona-Lasinio model. *Physical Review C*, **2009**, 79,	2.7	182
106	Determination of the neutron star mass-radii relation using narrow-band gravitational wave detector. *Journal of Physics: Conference Series*, **2009**, 154, 012039	0.3	2
105	Metastability of hadronic compact stars. *Physical Review D*, **2008**, 77,	4.9	38
104	Extended supersymmetric model based on the SO(2N+1) Lie algebra of the fermion operators. *Nuclear Physics B*, **2008**, 802, 121-145	2.8	7
103	Stellar matter with a strong magnetic field within density-dependent relativistic models. *Journal of Physics G: Nuclear and Particle Physics*, **2008**, 35, 125201	2.9	51
102	Skyrme forces versus relativistic models: Reexamining instabilities. *Physical Review C*, **2008**, 77,	2.7	16
101	Dynamical instabilities in density-dependent hadronic relativistic models. *Physical Review C*, **2008**, 77,	2.7	10
100	Cluster formation in compact stars: Relativistic versus Skyrme nuclear models. *Physical Review C*, **2008**, 78,	2.7	47

99	Warm and cold pasta phase in relativistic mean field theory. *Physical Review C*, **2008**, 78,	2.7	97
98	The QCD phase diagram and the gamma-ray bursts. *Nuclear Physics A*, **2007**, 790, 558c-561c	1.3	
97	NEUTRON SKIN THICKNESS AND NEUTRON STARS WITHIN A DENSITY DEPENDENT HADRONIC MODEL. *International Journal of Modern Physics E*, **2007**, 16, 2989-2992	0.7	2
96	SHORT RANGE CORRELATIONS IN RELATIVISTIC NUCLEAR MODELS. *International Journal of Modern Physics B*, **2007**, 21, 2407-2419	1.1	1
95	RELATIVISTIC HADRONIC MATTER AND PHASE TRANSITIONS. *International Journal of Modern Physics E*, **2007**, 16, 2680-2719	0.7	4
94	The Buck?ukumar model described in terms ofsu(2) ?su(1, 1) coherent states. *Journal of Physics A: Mathematical and Theoretical*, **2007**, 40, 12153-12160	2	5
93	Density dependent hadronic models and the relation between neutron stars and neutron skin thickness. *Physical Review C*, **2007**, 75,	2.7	25
92	Low-density expansion and isospin dependence of nuclear energy functional: Comparison between relativistic and Skyrme models. *Physical Review C*, **2007**, 76,	2.7	14
91	Constraining relativistic models through heavy ion collisions. *Physical Review C*, **2007**, 76,	2.7	12
90	Tensor interaction and short range correlations in relativistic nuclear models. *Physical Review C*, **2007**, 75,	2.7	4
89	A Refined Numerical Result on the First Excitation Energy in the Two-Level Pairing Model **2007**, 117, 853-860		
88	The two-level pairing model in the Schwinger representation. *Journal of Physics A*, **2006**, 39, 11193-11204		1
87	Schwinger representation approach to the Lipkin model. *Journal of Physics A*, **2006**, 39, 12457-12468		1
86	Quark stars within relativistic models. *Journal of Physics G: Nuclear and Particle Physics*, **2006**, 32, 1081-1095	2.9	54
85	A New Boson Realization of the Two-Level Pairing Model in a Many-Fermion System and Its Classical Counterpart: -- The Role of the su(2) su(1,1)-Coherent State in the Schwinger Boson Representation for the su(2) su(2)-Algebra -- **2006**, 115, 739-757		
84	Low-density instabilities in relativistic asymmetric matter of compact stars. *Physical Review C*, **2006**, 73,	2.7	48
83	ray bursts and the QCD phase diagram. *Physical Review C*, **2006**, 73,	2.7	13
82	Coupling of nuclear and electron modes in relativistic stellar matter. *Physical Review C*, **2006**, 74,	2.7	18

81	Spinodal instabilities and the distillation effect in relativistic hadronic models. *Physical Review C*, **2006**, 74,	2.7	41
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