

Myung-Ki Cheoun

List of Publications by Year in descending order

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197
papers

1,489
citations

331670

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199
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199
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867
citing authors

#	ARTICLE	IF	CITATIONS
1	Generation of photon vortex by synchrotron radiation from electrons in Landau states under astrophysical magnetic fields. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2022, 826, 136779.	4.1	10
2	Coulomb breakup reaction of loosely bound F with dynamic polarization potentials. <i>Physical Review C</i> , 2022, 105, .	2.9	2
3	Impact of Hypernova $\hat{1}/2p$ -process Nucleosynthesis on the Galactic Chemical Evolution of Mo and Ru. <i>Astrophysical Journal</i> , 2022, 924, 29.	4.5	11
4	A relativistic quantum approach to neutrino and antineutrino emission via the direct Urca process in strongly magnetized neutron-star matter. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2022, 824, 136813.	4.1	3
5	Nuclear mass table in deformed relativistic Hartree-Bogoliubov theory in continuum, I: Even-even nuclei. <i>Atomic Data and Nuclear Data Tables</i> , 2022, 144, 101488.	2.4	60
6	Coulomb sum rule in the quasielastic region using various nuclear models. <i>Physical Review C</i> , 2022, 105, .	2.9	1
7	Neutrino and Antineutrino pair-Emission in Strong Magnetic Field in Relativistic Quantum Approach. <i>EPJ Web of Conferences</i> , 2022, 260, 11029.	0.3	0
8	Nuclear cosmochronometers for supernova neutrino-process. <i>EPJ Web of Conferences</i> , 2022, 260, 02001.	0.3	0
9	Shape coexistence and neutron skin thickness of Pb isotopes by the deformed relativistic Hartree-Bogoliubov theory in continuum. <i>Physical Review C</i> , 2022, 105, .	2.9	11
10	Tensor force effect on pairing correlations for the Gamow-Teller transition in ^{42}Ca , ^{46}Ti , and ^{180}O . <i>Progress of Theoretical and Experimental Physics</i> , 2022, 2022, .	6.6	2
11	Asymmetric Nuclear Matter in Relativistic Mean-field Models with Isoscalar- and Isovector-meson Mixing. <i>Astrophysical Journal</i> , 2022, 929, 82.	4.5	13
12	Evolution of Kinetic and Magnetic Energy in a Large Magnetic Prandtl Number System. <i>Astrophysical Journal</i> , 2022, 932, 32.	4.5	1
13	Fusion reaction of a weakly bound nucleus with a deformed target. <i>Physical Review C</i> , 2021, 103, .	2.9	9
14	Constraints on Nuclear Saturation Properties from Terrestrial Experiments and Astrophysical Observations of Neutron Stars. <i>Astrophysical Journal</i> , 2021, 909, 156.	4.5	11
15	Shell evolution of kinetic, potential and binding energies of $N = Z$ nuclei in d shell in a deformed Woods-Saxon potential with the pairing correlation energies. <i>Journal of the Korean Physical Society</i> , 2021, 78, 761-769.	0.7	0
16	Analyses of quasielastic scattering data for the $^{11}\text{Be} + ^{197}\text{Au}$ system. <i>Journal of the Korean Physical Society</i> , 2021, 79, 5.	0.7	0
17	Big Bang nucleosynthesis in a weakly non-ideal plasma. <i>Astronomy and Astrophysics</i> , 2021, 650, A121.	5.1	2
18	Chiral quark-meson coupling models for finite nuclei and their reactions. <i>Physical Review C</i> , 2021, 104, .	2.9	4

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19	Isoscalar pairing correlations by the tensor force in the ground states of ^{12}C and ^{16}O . <i>Physical Review C</i> , 2020, 102, .	2.9	2
20	Neutron-Proton, Neutron-Neutron, Proton-Proton QRPA for the Gamow-Teller and the M1 Spin Transitions of N \neq Z Nuclei in the s \neq d Shell. <i>Journal of the Korean Physical Society</i> , 2020, 77, 545-556.	0.7	0
21	Deformed relativistic Hartree-Bogoliubov theory in continuum with a point-coupling functional: Examples of even-even Nd isotopes. <i>Physical Review C</i> , 2020, 102, .	2.9	53
22	The Viability of the $3\hat{A}+1\hat{A}$ Neutrino Model in the Supernova Neutrino Process. <i>Astrophysical Journal</i> , 2020, 894, 99.	4.5	4
23	$\hat{1}\hat{1}/2\hat{A}^-$ -Pair synchrotron emission in neutron-star matter based on a relativistic quantum approach. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020, 805, 135413.	4.1	3
24	Neutrino Process in Core-collapse Supernovae with Neutrino Self-interaction and MSW Effects. <i>Astrophysical Journal Letters</i> , 2020, 891, L24.	8.3	14
25	Extended optical model analyses of $^{11}\text{Be}+^{197}\text{Au}$ with dynamic polarization potentials. <i>European Physical Journal A</i> , 2020, 56, 1.	2.5	2
26	Decomposition of nuclear symmetry energy based on Lorentz-covariant nucleon self-energies in relativistic Hartree-Fock approximation. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020, 803, 135282.	4.1	5
27	A hybrid model of Skyrme- and Brueckner-type interactions for neutron star matter. <i>Progress of Theoretical and Experimental Physics</i> , 2020, 2020, .	6.6	1
28	Neutrino Self-interaction and MSW Effects by an Equi-partitioned Fermi-Dirac Neutrino Luminosity on the Supernova Neutrino-process. , 2020, , .		1
29	Constraints on the Nuclear Saturation Properties Using Experimental Data and Astrophysical Observations. , 2020, , .		0
30	Phase transition between the isovector to isoscalar pairing correlations in deformed N = Z nuclei. <i>Journal of Physics: Conference Series</i> , 2020, 1643, 012121.	0.4	0
31	Effect of Fock terms on nuclear symmetry energy based on Lorentz-covariant decomposition of nucleon self-energies. <i>Journal of Physics: Conference Series</i> , 2020, 1643, 012015.	0.4	0
32	Effects of the Metallicity on Li and B Production in Supernova Neutrino Process. , 2020, , .		0
33	The Role of Fock Terms on Nuclear Symmetry Energy and its Slope Parameter in a Relativistic Framework. , 2020, , .		0
34	Competition of deformation and neutron-proton pairing in Gamow-Teller transitions for $^{56,58}\text{Ni}$ and $^{62,64}\text{Ni}$. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2019, 46, 105109.	3.6	3
35	Role of axial mass and strange axial form factor from various target nuclei in neutrino-nucleus scattering. <i>Physical Review C</i> , 2019, 100, .	2.9	5
36	Further signatures to support the tetraquark mixing framework for the two light-meson nonets. <i>Physical Review D</i> , 2019, 99, .	4.7	9

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37	Effects of the Coulomb and the spin-orbit interaction in a deformed mean field on the pairing correlations in $N=Z$ nuclei. <i>Physical Review C</i> , 2019, 99, .	2.9	8
38	The Charge Density Distribution with a Non-Local Potential on ^{16}O , ^{40}Ca , and ^{208}Pb Nuclei. <i>Journal of the Korean Physical Society</i> , 2019, 74, 998-1003.	0.7	1
39	Supernova Neutrino Process of Li and B Revisited. <i>Astrophysical Journal</i> , 2019, 872, 164.	4.5	22
40	Effects of Shock Propagation on Neutrino Oscillation and u -induced Nucleosynthesis in Supernova. <i>Acta Physica Polonica B</i> , 2019, 50, 385.	0.8	1
41	Neutron-Proton Pairing Correlations and Deformation for $N = Z$ Nuclei in sd - and pf -shell by Deformed BCS and Deformed QRPA. <i>Acta Physica Polonica B</i> , 2019, 50, 697.	0.8	0
42	Axion production from Landau quantization in the strong magnetic field of magnetars. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018, 779, 160-165.	4.1	11
43	Coupled-channels analyses for $^9\text{Li} + ^{208}\text{Pb}$ fusion reactions with multi-neutron transfer couplings. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018, 780, 455-460.	4.1	9
44	Spin singlet and spin triplet pairing correlations on shape evolution in sd -shell $N=Z$ nuclei. <i>Physical Review C</i> , 2018, 97, .	2.9	12
45	Cooling Process of Magnetars with $(u \text{ or } d)$ -Pair and Axion Emissions in Relativistic Quantum Approach. , 2018, , .		1
46	Effects of sterile neutrinos and an extra dimension on big bang nucleosynthesis. <i>Physical Review D</i> , 2018, 97, .	4.7	7
47	$\hat{1}/2\hat{1}/2\hat{A}^-$ -pair and axion productions in strong magnetic field in relativistic quantum approach and cooling of magnetars. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	0
48	Spectral shape analysis for electron antineutrino oscillation study by using ^8Li generator with ^{252}Cf source. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 024-024.	5.4	0
49	Production of light elements and ^{98}Tc through the $\hat{1}/2$ -process with the neutrino oscillation in supernova explosion. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	0
50	Tetraquark mixing framework for isoscalar resonances in light mesons. <i>Physical Review D</i> , 2018, 97, .	4.7	11
51	Effects of sterile neutrino and extra-dimension on big bang nucleosynthesis. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	1
52	Simultaneous Optical Model Analysis of Elastic Scattering and Breakup Reaction Channels for $^{11}\text{Li} + ^{208}\text{Pb}$ System. <i>Journal of the Korean Physical Society</i> , 2018, 73, 553-560.	0.7	1
53	Short-Lived Radioisotope ^{98}Tc Neutron-proton pairing correlations and deformation for $N=Z$ nuclei in the sd -shell within the deformed BCS and Hartree-Fock-Bogoliubov approach. <i>Physical Review C</i> , 2018, 97, .	7.8	21
54	Neutron-proton pairing correlations and deformation for $N=Z$ nuclei in the sd -shell within the deformed BCS and Hartree-Fock-Bogoliubov approach. <i>Physical Review C</i> , 2018, 97, .	2.9	12

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55	Short-baseline electron antineutrino disappearance study by using neutrino sources from $^{13}\text{C} + ^9\text{Be}$ reaction. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 044-044.	5.4	1
56	A study of Gamow-Teller transitions for $N = Z$ nuclei, ^{24}Mg , ^{28}Si , and ^{32}S , by a deformed QRPA. European Physical Journal A, 2017, 53, 1.	2.5	13
57	Estimating total fusion cross sections by using a coupled-channel method. Journal of the Korean Physical Society, 2017, 70, 42-46.	0.7	3
58	The new hybrid BBN model with the photon cooling, X particle, and the primordial magnetic field. International Journal of Modern Physics E, 2017, 26, 1741006.	1.0	10
59	Review on effects of long-lived negatively charged massive particles on Big Bang Nucleosynthesis. International Journal of Modern Physics E, 2017, 26, 1741004.	1.0	16
60	Properties of Neutron Stars with Hyperons and Quarks Using Relativistic Hartree-Fock Approximation and MIT Bag Model. , 2017, , .		0
61	A new scheme for short baseline electron antineutrino disappearance study. Journal of Physics G: Nuclear and Particle Physics, 2017, 44, 09LT01.	3.6	1
62	Effects of pairing correlations on the neutron skin thickness and the symmetry energy. Physical Review C, 2017, 96, .	2.9	4
63	Spin-1 diquark contributing to the formation of tetraquarks in light mesons. European Physical Journal C, 2017, 77, 1.	3.9	9
64	Neutrino Interactions with Matter by a New Neutrino Source From the Isotope Radioactive Decay Produced by the Proton Accelerator. , 2017, , .		0
65	Neutron-Proton Pairing Effects on the Gamow-Teller Transitions in $^{24,26}\text{Mg}$ by Using the Deformed QRPA. , 2017, , .		0
66	The New BBN Model with the Photon Cooling, X Particle, and the Primordial Magnetic Field. , 2017, , .		0
67	Pion Production from Proton Synchrotron Radiation in Strong Magnetic Fields. , 2017, , .		0
68	Effects of the $f(R)$ and $f(G)$ Gravities and the Exotic Particle on Primordial Nucleosynthesis. , 2017, , .		0
69	Pion Production from Proton Synchrotron Radiation under Strong Magnetic Field in a Relativistic Quantum Approach. EPJ Web of Conferences, 2016, 122, 04003.	0.3	0
70	Neutrino-induced Reactions and Neutrino Scattering with Nuclear Targets. EPJ Web of Conferences, 2016, 109, 05002.	0.3	0
71	Pion Production from Proton Synchrotron Radiation under Strong Magnetic Field in Relativistic Quantum Approach. EPJ Web of Conferences, 2016, 109, 05006.	0.3	0
72	Testing the tetraquark structure for the X resonances in the low-lying region. European Physical Journal A, 2016, 52, 1.	2.5	14

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73	Neutrino-induced reactions and neutrino scattering with nuclei in low and high neutrino energy. AIP Conference Proceedings, 2016, .	0.4	0
74	Effects of Coulomb quadrupole excitation in heavy-ion reactions. Journal of the Korean Physical Society, 2016, 69, 880-883.	0.7	0
75	Extraction of structure functions for lepton-nucleus scattering in the quasi-elastic region. Physical Review C, 2016, 94, .	2.9	5
76	Effects of deformation and neutron-proton pairing on the Gamow-Teller transitions for ^{24}Mg a deformed quasiparticle random-phase approximation. Physical Review C, 2016, 94, .	2.9	14
77	Pion production via proton synchrotron radiation in strong magnetic fields in relativistic field theory: Scaling relations and angular distributions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 757, 125-129.	4.1	10
78	A Study of Radioactive Contamination of Crystals for the AMoRE Experiment. IEEE Transactions on Nuclear Science, 2016, 63, 543-547.	2.0	15
79	Evidence for a large radius of the ^{11}Be projectile. Physical Review C, 2016, 93, .	2.9	11
80	Constraints on modified Gauss-Bonnet gravity during big bang nucleosynthesis. Physical Review D, 2016, 93, .	4.7	8
81	New neutrino source for the study of solar neutrino physics in the vacuum-matter transition region. Physical Review C, 2016, 94, .	2.9	3
82	The effects of density-dependent form factors for $(e, e\epsilon^{\text{TM}}p)$ reaction in quasi-elastic region. European Physical Journal A, 2016, 52, 1.	2.5	1
83	A Review of the Effects of Dark Matter on Big-Bang Nucleosynthesis. New Physics: Sae Mulli, 2016, 66, 998-1004.	0.1	0
84	Special Issue on "Rare Isotope Science". New Physics: Sae Mulli, 2016, 66, 1457-1457.	0.1	1
85	Coupled Channel and Optical Model Approaches to Low-Energy Heavy-Ion Reactions. New Physics: Sae Mulli, 2016, 66, 1530-1536.	0.1	0
86	Description of Deformed Nuclei and Their Reactions in Rare Isotope Physics. New Physics: Sae Mulli, 2016, 66, 1543-1549.	0.1	0
87	Deformation effects on the gamow-teller transitions in ^{76}Ge and ^{76}Se by using the deformed Quasi-Particle Random-Phase Approximation. Journal of the Korean Physical Society, 2015, 67, 1142-1149.	0.7	4
88	Long-range dynamic polarization potentials for ^{11}Be projectiles on ^{64}Zn projectiles	2.9	12
89	Brückner-G-matrix approach for neutron-proton pairing correlations in the deformed BCS approach. Physical Review C, 2015, 92, .	2.9	8
90	Influence of axial mass and strange axial form factor on neutrino-nucleus scattering in the quasielastic region. Physical Review C, 2015, 92, .	2.9	5

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91	Inelastic scattering of $^{11}\text{Be}+^{197}\text{Au}$ to the first excited state in ^{11}Be . Physical Review C, 2015, 92, .	2.9	6
92	Corrected constraints on big bang nucleosynthesis in a modified gravity model of $f(R)$. Physical Review D, 2015, 91, .	4.7	14
93	Quantum field theoretic treatment of pion production via proton synchrotron radiation in strong magnetic fields: Effects of Landau levels. Physical Review D, 2015, 91, .	4.7	14
94	EQUATION OF STATE FOR NEUTRON STARS WITH HYPERONS AND QUARKS IN THE RELATIVISTIC HARTREE-FOCK APPROXIMATION. Astrophysical Journal, 2015, 813, 135.	4.5	40
95	Density dependence of parity violation in electron quasi-elastic scattering. Journal of the Korean Physical Society, 2015, 66, 1936-1941.	0.7	0
96	Effects of density-dependent weak form factors on neutral-current neutrino (antineutrino)-nucleus scattering in the quasi-elastic region. Physical Review C, 2015, 91, .	2.9	5
97	In-medium effect with muon-neutrino and anti-muon-neutrino quasi-elastic scattering from ^{12}C nucleons. Journal of Physics G: Nuclear and Particle Physics, 2015, 42, 045102.	3.6	2
98	Nuclear Equation of State and Asymmetric Neutrino Emission from Proto-Neutron Stars. , 2015, , .		0
99	Four-quark structure of the excited states of heavy mesons. Physical Review D, 2015, 91, .	4.7	12
100	Gamow-Teller strength distributions in ^{76}Ge , $^{76,82}\text{Se}$, and $^{90,92}\text{Zr}$ by the deformed proton-neutron QRPA. Nuclear Physics A, 2015, 934, 73-109.	1.5	22
101	Equation of State for Neutron Stars: Hyperon Mixing in SU(3) Flavor Symmetry. , 2014, , .		2
102	Effect of Density-Dependent Form Factors on Coulomb Sum Rule in the Quasi-Elastic Region. Journal of the Physical Society of Japan, 2014, 83, 114201.	1.6	0
103	New effects of a long-lived negatively charged massive particle on big bang nucleosynthesis. , 2014, , .		0
104	Asymmetric neutrino production in magnetized proto-neutron stars in fully relativistic mean-field approach. , 2014, , .		0
105	Possible ambiguities in the equation of state for neutron stars. , 2014, , .		0
106	Complete equation of state for neutron stars using the relativistic Hartree-Fock approximation. , 2014, , .		0
107	The in-medium effects on the neutrino reaction in dense matter. , 2014, , .		0
108	Effects of density-dependent weak form factors on charged-current neutrino-nucleus scattering in the quasi-elastic region. Physical Review C, 2014, 90, .	2.9	9

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109	Asymmetric neutrino production in strongly magnetized proto-neutron stars. Physical Review D, 2014, 90, .	4.7	6
110	Cosmological solutions to the lithium problem: Big-bang nucleosynthesis with photon cooling, X -particle decay and a primordial magnetic field. Physical Review D, 2014, 90, .	4.7	28
111	^{11}Li β -decay. Physical Review D, 2014, 90, .	2.9	13
112	Rapid spin deceleration of magnetized protoneutron stars via asymmetric neutrino emission. Physical Review C, 2014, 89, .	2.9	10
113	Effect of long range potentials on the elastic cross section for the $^{11}\text{Li}+^{208}\text{Pb}$ system. Physical Review C, 2014, 89, .	2.9	10
114	REVISED BIG BANG NUCLEOSYNTHESIS WITH LONG-LIVED, NEGATIVELY CHARGED MASSIVE PARTICLES: UPDATED RECOMBINATION RATES, PRIMORDIAL ^9Be NUCLEOSYNTHESIS, AND IMPACT OF NEW ^6Li LIMITS. Astrophysical Journal, Supplement Series, 2014, 214, 5.	7.7	31
115	Decomposition of nuclear response functions for neutrino-induced reactions on ^{12}C . Journal of the Korean Physical Society, 2014, 65, 987-994.	0.7	0
116	General limit on the relation between abundances of D and ^7Li in big bang nucleosynthesis with nucleon injections. Physical Review D, 2014, 90, .	4.7	33
117	Nuclear I^2 -Decay Half-Lives in the R -Process Nuclei by Deformed Quasiparticle Random-Phase Approximation. , 2014, , .		0
118	Asymmetric Neutrino Emission Process in Rapid Spin-Deceleration of Magnetized Proto-Neutron Stars. , 2014, , .		0
119	Effects of the symmetry energy on strongly-magnetized neutron stars in the density-dependent RMF model. Journal of the Korean Physical Society, 2013, 63, 168-173.	0.7	0
120	Scalar and Pseudo-Scalar Form Factors in Electro- and Weak-Production of Pion Near Threshold. Few-Body Systems, 2013, 54, 1153-1156.	1.5	0
121	Nuclear Structure of $^{12,14}\text{Be}$ Within Deformed Quasi-Particle Random Phase Approximation (DQRPA). Few-Body Systems, 2013, 54, 1389-1392.	1.5	2
122	Parity Violation in Electron Quasi-Elastic Scattering. Few-Body Systems, 2013, 54, 1645-1648.	1.5	0
123	Asymmetry in the neutrino and anti-neutrino reactions in a nuclear medium. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 723, 464-469.	4.1	14
124	Effect of the non-locality factor for bound states in ^{208}Pb . Journal of the Korean Physical Society, 2013, 63, 1703-1708.	0.7	2
125	Overview of the KoRIA Facility for Rare Isotope Beams. Few-Body Systems, 2013, 54, 197-204.	1.5	12
126	Reinvestigation of Quark Masses Variations on Big Bang Nucleosynthesis. Few-Body Systems, 2013, 54, 495-499.	1.5	0

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127	Evolution of N and Gamow-Teller strengths with deformed quasiparticle random-phase approximation. <i>Physical Review C</i> , 2013, 88, .	2.9	15
128	Neutron stars in a perturbative R gravity model with strong magnetic fields. <i>Journal of Cosmology and Astroparticle Physics</i> , 2013, 021-021.	5.4	33
129	SUPERNOVA NEUTRINO NUCLEOSYNTHESIS OF THE RADIOACTIVE ^{92}Nb OBSERVED IN PRIMITIVE METEORITES. <i>Astrophysical Journal Letters</i> , 2013, 779, L9.	8.3	34
130	Ambiguity of the final state interaction for neutral-current neutrino-nucleus scattering in the quasielastic region. <i>Physical Review C</i> , 2013, 88, .	2.9	6
131	Equation of state for neutron stars in SU(3) flavor symmetry. <i>Physical Review C</i> , 2013, 88, .	2.9	77
132	Be ⁷ charge exchange between Be ³⁺ ion and an exotic long-lived negatively charged massive particle in big bang nucleosynthesis. <i>Physical Review D</i> , 2013, 88, .	4.7	9
133	Effects of the density-dependent weak form factors on the neutrino reaction via neutral current for the nucleon in nuclear matter and ^{12}C . <i>Physical Review C</i> , 2013, 87, .	2.9	13
134	High-lying Gamow-Teller excited states in the deformed nuclei, ^{76}Ge , ^{82}Se and $N = 20$ nuclei in the island of inversion by the Deformed QRPA (DQRPA). <i>Journal of Physics: Conference Series</i> , 2013, 445, 012020.	0.4	0
135	Possible Uncertainties of Parity Violation in Electron Quasi-Elastic Scattering. <i>Journal of the Physical Society of Japan</i> , 2013, 82, 024201.	1.6	8
136	Asymmetric neutrino reaction and pulsar kick in magnetized proto-neutron stars in fully relativistic framework. , 2012, , .		0
137	Spin change of a proto-neutron star by the emission of neutrinos. <i>Physical Review C</i> , 2012, 85, .	2.9	10
138	Neutrino induced reactions for ^{92}Nb -process nucleosynthesis of ^{92}Nb and ^{98}Tc . <i>Physical Review C</i> , 2012, 85, .	2.9	42
139	Neutrino Induced Reactions with the Nuclei in Core Collapsing Supernovae. <i>Progress of Theoretical Physics Supplement</i> , 2012, 196, 476-482.	0.1	4
140	Asymmetric neutrino reaction and pulsar kick in magnetized proto-neutron stars in fully relativistic framework. , 2012, , .		0
141	Charge exchange reactions and applications to astrophysics. , 2012, , .		0
142	QHD description of the instability in strongly magnetized neutron stars. <i>Astroparticle Physics</i> , 2012, 38, 25-30.	4.3	22
143	Charge-exchange and charge-conserving reactions on Mg, Ar, Zr, and Sn isotopes. <i>Journal of the Korean Physical Society</i> , 2012, 61, 1766-1785.	0.7	0
144	Relativistic mean-field treatment of pulsar kicks from neutrino propagation in magnetized proto-neutron stars. <i>Physical Review D</i> , 2012, 86, .	4.7	15

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145	High-lying excited states in Gamow Teller strength and their roles in neutrino reactions. European Physical Journal A, 2012, 48, 1.	2.5	12
146	Frontiers of Big Bang cosmology and primordial nucleosynthesis. , 2012, , .		0
147	Asymmetric Neutrino Reaction in Magnetized Proto-Neutron Stars in Fully Relativistic Approach. EPJ Web of Conferences, 2012, 20, 04003.	0.3	0
148	Sigma terms in Pion Weak-production near Threshold by Charged Current. EPJ Web of Conferences, 2012, 20, 02001.	0.3	0
149	Symmetry Energy, Pairing correlations in Nuclear Matter and Giant Resonances in Tin Isotopes. , 2012, , .		0
150	Time-dependent quark masses and big bang nucleosynthesis revisited. Physical Review D, 2011, 84, .	4.7	23
151	Neutrino-Nucleus Reactions for Nucleosynthesis. Journal of Physics: Conference Series, 2011, 312, 072008.	0.4	0
152	THE STRUCTURE OF NEUTRON STAR BY USING THE QUARK-MESON COUPLING MODEL. International Journal of Modern Physics Conference Series, 2011, 01, 177-182.	0.7	0
153	The medium effect of magnetic moments of baryons on the neutron star under strong magnetic fields. Journal of Physics: Conference Series, 2011, 312, 042021.	0.4	0
154	Gamow-Teller Transitions for Neutron-Rich Nuclei in the Superburst by the Deformed Quasi-particle RPA(DQRPA). Journal of Physics: Conference Series, 2011, 312, 042002.	0.4	0
155	Properties of a proto-neutron star with smeared trapped neutrinos. Physical Review C, 2011, 83, .	2.9	3
156	Inclusive charged-current neutrino-nucleus scattering in the quasielastic region. Physical Review C, 2011, 83, .	2.9	13
157	Asymmetric neutrino emission from magnetized proto-neutron star matter including hyperons in relativistic mean field theory. Physical Review D, 2011, 83, .	4.7	19
158	Reactions on Ar40 involving solar neutrinos and neutrinos from core-collapsing supernovae. Physical Review C, 2011, 83, .	2.9	27
159	Exotic Nuclear Structure by the Deformed BCS and QRPA. Journal of the Korean Physical Society, 2011, 59, 1533-1535.	0.7	1
160	Theoretical Calculation of the Anomalous Magnetic Moments of Baryons in Heavy Ion Collision. Journal of the Korean Physical Society, 2011, 59, 1521-1524.	0.7	0
161	Proto-Neutron Star with Trapped Neutrinos. Journal of the Korean Physical Society, 2011, 59, 2110-2113.	0.7	0
162	Multipole Amplitudes for Pion Weak-Production near Threshold by Charged Current. Journal of the Physical Society of Japan, 2010, 79, 074202.	1.6	2

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163	Neutrino-nucleus reactions via neutral and charged currents by the quasi-particle random phase approximation (QRPA). Journal of Physics G: Nuclear and Particle Physics, 2010, 37, 055101.	3.6	37
164	Magnetic moments of octet baryons at finite density and temperature. Journal of Physics G: Nuclear and Particle Physics, 2010, 37, 105002.	3.6	6
165	Medium effects of magnetic moments of baryons on neutron stars under strong magnetic fields. Physical Review C, 2010, 82, 055801.	2.9	42
166	Neutrino reactions on ^{13}C and ^{12}C by the quasiparticle random-phase approximation (QRPA). Physical Review C, 2010, 81, 055801.	2.9	35
167	Neutrino reactions on ^{18}O by the quasiparticle random-phase approximation (QRPA). Physical Review C, 2010, 81, 055801.	2.9	22
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