

Dao Tien Khoa

List of Publications by Year in descending order

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97
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3,564
citations

147801

31
h-index

138484

58
g-index

99
all docs

99
docs citations

99
times ranked

1064
citing authors

#	ARTICLE	IF	CITATIONS
1	Nuclear incompressibility and density dependent NN interactions in the folding model for nucleus-nucleus potentials. <i>Physical Review C</i> , 1997, 56, 954-969.	2.9	322
2	Generalized folding model for elastic and inelastic nucleus-nucleus scattering using realistic density dependent nucleon-nucleon interaction. <i>Nuclear Physics A</i> , 2000, 668, 3-41.	1.5	201
3	Double-folding model for heavy-ion optical potential: Revised and applied to study $^{12}\text{C}+^{16}\text{O}$ elastic scattering. <i>Physical Review C</i> , 1994, 49, 1652-1668.	2.9	193
4	$\hat{L}\pm$ -nucleus optical potential in the double-folding model. <i>Physical Review C</i> , 2001, 63, .	2.9	175
5	Nuclear rainbow scattering and nucleus-nucleus potential. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2007, 34, R111-R164.	3.6	157
6	A nuclear matter study using the density dependent M3Y interaction. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993, 304, 8-16.	4.1	152
7	Refractive alpha-nucleus scattering: a probe for the incompressibility of cold nuclear matter. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995, 342, 6-12.	4.1	147
8	Study of the equation of state for asymmetric nuclear matter and interaction potential between neutron-rich nuclei using the density-dependent M3Y interaction. <i>Nuclear Physics A</i> , 1996, 602, 98-132.	1.5	114
9	Study of diffractive and refractive structure in the elastic $^{16}\text{O}+^{16}\text{O}$ scattering at incident energies ranging from 124 to 1120 MeV. <i>Nuclear Physics A</i> , 2000, 672, 387-416.	1.5	112
10	In-medium effects in the description of heavy-ion collisions with realistic NN interactions. <i>Nuclear Physics A</i> , 1992, 548, 102-130.	1.5	102
11	$N=14$ Shell Closure in ^{22}O Viewed through a Neutron Sensitive Probe. <i>Physical Review Letters</i> , 2006, 96, 012501.	7.8	97
12	New measurement of the refractive, elastic $^{16}\text{O}+^{12}\text{C}$ scattering at 132, 170, 200, 230, and 260 MeV incident energies. <i>Physical Review C</i> , 2000, 62, .	2.9	93
13	Equation of State for Cold Nuclear Matter from Refractive $^{16}\text{O}+^{16}\text{O}$ Elastic Scattering. <i>Physical Review Letters</i> , 1995, 74, 34-37.	7.8	91
14	Missing monopole strength in ^{58}Ni and uncertainties in the analysis of $\hat{L}\pm$ -particle scattering. <i>Physical Review C</i> , 1997, 55, 285-297.	2.9	88
15	New results for reaction cross sections of intermediate energy $\hat{L}\pm$ -particles on targets from Be to Pb. <i>Nuclear Physics A</i> , 2000, 676, 3-31.	1.5	87
16	Temperature-dependent mean field and its effect on heavy-ion reactions. <i>Nuclear Physics A</i> , 1994, 575, 733-765.	1.5	72
17	Coupling effects in the elastic scattering of $^6\text{He}+^{12}\text{C}$. <i>Physical Review C</i> , 2002, 66, .	2.9	71
18	Folding analysis of the elastic $^{6}\text{Li}+^{12}\text{C}$ scattering: Knock-on exchange effects, energy dependence, and dynamical polarization potential. <i>Physical Review C</i> , 1995, 51, 2069-2084.	2.9	62

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19	Folding model analysis of elastic and inelastic proton scattering on sulfur isotopes. Nuclear Physics A, 2002, 706, 61-84.	1.5	58
20	Subthreshold K ⁺ production in 1GeV/u ¹⁹⁷ Au + ¹⁹⁷ Au collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 298, 41-45.	4.1	55
21	Exchange effects in nuclear rainbow scattering. Nuclear Physics A, 1988, 484, 376-396.	1.5	53
22	Refractive scattering and reactions, comparison of two systems: ¹⁶ O+ ¹⁶ O and ²⁰ Ne+ ¹² C. Zeitschrift für Physik A, 1993, 346, 189-200.	0.9	52
23	Model-unrestricted nucleus-nucleus scattering potentials from measurement and analysis of scattering. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 365, 23-28.	4.1	45
24	Pronounced Airy structure in elastic ¹⁶ O+ ¹² Cscattering atE _{lab} =132MeV. Physical Review C, 1998, 57, 1797-1802.	2.9	45
25	Isospin dependence of ^{He6} +optical potential and the symmetry energy. Physical Review C, 2005, 71, .	2.9	43
26	Folding model study of the isobaric analog excitation: Isovector density dependence, Lane potential, and nuclear symmetry energy. Physical Review C, 2007, 76, .	2.9	43
27	Relativistic versus nonrelativistic quantum molecular dynamics. Progress in Particle and Nuclear Physics, 1993, 30, 219-228.	14.4	42
28	Equation of state of neutron star matter, and the nuclear symmetry energy. Physical Review C, 2011, 83, .	2.9	41
29	Microscopic study of thermal properties of the nuclear matter formed in heavy-ion collisions. Nuclear Physics A, 1992, 542, 671-698.	1.5	40
30	Nuclear mean field and double-folding model of the nucleus-nucleus optical potential. Physical Review C, 2016, 94, .	2.9	38
31	Missing monopole strength of the Hoyle state in the inelastic ¹² C scattering. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 660, 331-338.	4.1	32
32	Quantum molecular dynamics and particle production in heavy ion collisions. Progress in Particle and Nuclear Physics, 1993, 30, 105-114.	14.4	25
33	Study of refractive structure in the inelastic scattering at the incident energies of 250 to 1120 MeV. Nuclear Physics A, 2005, 759, 3-22.	1.5	25
34	Realistic scenario for the quasielastic scattering of ¹¹ Li, ¹¹ C+ ¹² C at. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 358, 14-20.	4.1	24
35	DWBA analysis of the ¹³ C(⁶ Li,d) ¹⁷ O reaction at 10 MeV/nucleon and its astrophysical implications. Nuclear Physics A, 2003, 726, 159-172.	1.5	24
36	Photon production in heavy-ion collisions and nuclear equation of state. Nuclear Physics A, 1991, 529, 363-386.	1.5	21

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37	Pauli exchange effects in the elastic scattering of $^{16}\text{O} + ^{16}\text{O}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 260, 278-284.	4.1	21
38	Di-neutron elastic transfer in the $^4\text{He}(^6\text{He},^6\text{He})^4\text{He}$ reaction. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 595, 193-201.	4.1	21
39	Folding model study of the charge-exchange scattering to the isobaric analog state and implication for the nuclear symmetry energy. European Physical Journal A, 2014, 50, 1.	2.5	21
40	Kaon production in nucleus-nucleus collisions. Nuclear Physics A, 1992, 537, 645-666.	1.5	20
41	Mean-field study of hot $\hat{\rho}^2$ -stable protoneutron star matter: Impact of the symmetry energy and nucleon effective mass. Physical Review C, 2016, 93, .	2.9	20
42	Consistent mean-field description of the $^{12}\text{C} + ^{12}\text{C}$ optical potential at low energies and the astrophysical S factor. Physical Review C, 2018, 98, .	2.9	20
43	Neutron star cooling: A challenge to the nuclear mean field. Physical Review C, 2009, 80, .	2.9	19
44	Hindrance of the excitation of the Hoyle state and the ghost of the ^2He state in ^{12}C . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 695, 469-475.	2.9	18
45	Extended Hartree-Fock study of the single-particle potential: The nuclear symmetry energy, nucleon effective mass, and folding model of the nucleon optical potential. Physical Review C, 2015, 92, .	2.9	17
46	Charge-exchange scattering to the isobaric analog state at medium energies as a probe of the neutron skin. Physical Review C, 2014, 89, .	2.9	16
47	Elastic proton scattering at intermediate energies as a probe of the ^6He matter densities. Physical Review C, 2015, 92, .	2.9	16
48	Low-lying magnetic dipole excitations in actinide nuclei. Physical Review Letters, 1990, 65, 2978-2981.	7.8	15
49	Exchange part of the real heavy-ion optical potential within the double-folding model and the nuclear matter approach. Journal of Physics C: Nuclear and Particle Physics, 1990, 16, 1253-1270.	3.6	15
50	Subthreshold pion production in nucleus-nucleus collisions within the quantum molecular dynamics approach. Nuclear Physics A, 1991, 534, 697-719.	1.5	15
51	Folding-model analysis of inelastic ^{12}C scattering at medium energies, and the isoscalar transition strengths of the cluster states of ^{12}C . Physical Review C, 2013, 88, .	2.9	15
52	Probing the isovector transition strength of the low-lying nuclear excitations induced by inverse kinematics proton scattering. Physical Review C, 2003, 68, .	2.9	14
53	Excited states of neutron-rich nuclei: mean field theory and beyond. Nuclear Physics A, 2003, 722, C111-C116.	1.5	13
54	Microscopic calculation of the interaction cross section for stable and unstable nuclei based on the nonrelativistic nucleon-nucleon matrix. Physical Review C, 2004, 69, .	2.9	12

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55	Neutron scattering from ^{208}Pb at 30.4 and 40.0 MeV and isospin dependence of the nucleon optical potential. <i>Physical Review C</i> , 2012, 85, .	2.9	12
56	Relativistic extended Thomas-Fermi calculations of finite nuclei with realistic nucleon-nucleon interactions. <i>Physical Review C</i> , 1993, 47, 1091-1102.	2.9	11
57	Nuclear rainbow and the EOS of cold nuclear matter. <i>Nuclear Physics A</i> , 2003, 722, C202-C208.	1.5	11
58	At the end of the rainbow an understanding of nuclear matter. <i>Europhysics News</i> , 2000, 31, 5-9.	0.3	10
59	Direct and indirect $\hat{L}\pm$ transfer in elastic $^{16}\text{O}+^{12}\text{C}$ scattering. <i>Physical Review C</i> , 2018, 98, .	2.9	10
60	Microscopic calculation of pion production in nucleus-nucleus collisions around 1 GeV. <i>Zeitschrift für Physik A</i> , 1991, 340, 271-279.	0.9	9
61	Neutron transition strengths of ^{21}O states in the neutron-rich oxygen isotopes determined from inelastic proton scattering. <i>Physical Review C</i> , 2009, 79, .	2.9	9
62	Microscopic study of the isoscalar giant resonances in ^{208}Pb induced by inelastic $\hat{L}\pm$ scattering. <i>Nuclear Physics A</i> , 2010, 836, 11-42.	1.5	9
63	Single-charge-exchange reactions and the neutron density at the surface of the nucleus. <i>Physical Review C</i> , 2017, 96, .	2.9	9
64	On the role of hexadecapole forces in describing \hat{L}^3 -band states in the rare-earth region. <i>Journal of Physics G: Nuclear Physics</i> , 1988, 14, 725-732.	0.8	8
65	Relativistic quantum molecular dynamics and eta production in nucleus-nucleus collisions. <i>Nuclear Physics A</i> , 1992, 537, 631-644.	1.5	8
66	Do 1.37 GeV $\hat{L}\pm$ particles find nuclei attractive or repulsive?. <i>Physical Review C</i> , 2002, 65, .	2.9	8
67	Microscopic study of interaction cross sections measured at relativistic energies for stable and unstable nuclei. <i>Nuclear Physics A</i> , 2003, 722, C92-C97.	1.5	8
68	Rearrangement term in the folding model of the nucleon optical potential. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2020, 47, 035106.	3.6	8
69	Relativistic extended Thomas-Fermi calculations of finite nuclei. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 1991, 17, L193-L199.	3.6	7
70	Mean-field description of heavy-ion scattering at low energies and fusion. <i>Nuclear Science and Techniques/Hewuli</i> , 2018, 29, 1.	3.4	7
71	Exchange effects in elastic and inelastic alpha- and heavy-ion scattering. <i>Zeitschrift für Physik A, Atomic Nuclei</i> , 1987, 328, 67-79.	0.3	6
72	The dominance of the \hat{L}^3 configuration in the N= 8 shell in ^{12}Be from the breakup reaction on a proton target at intermediate energy. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017, 774, 559-563.	4.1	6

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73	One-neutron transfer reaction and refractive effects in the $^{16}\text{O}+^{16}\text{O}$ system. Nuclear Physics A, 2002, 703, 573-592.	1.5	5
74	Nuclear spin polarization following intermediate-energy heavy-ion reactions. Physical Review C, 2007, 76, .	2.9	5
75	PROBING THE ISOSCALAR EXCITATIONS OF ^{12}C WITH INELASTIC ALPHA SCATTERING. International Journal of Modern Physics E, 2008, 17, 2055-2060.	1.0	5
76	Elastic transfer and parity dependence of the nucleus-nucleus optical potential. Physical Review C, 2019, 100, .	2.9	5
77	Folding model approach to the elastic $p+^{12,13}\text{C}$ scattering at low energies and radiative capture $^{12,13}\text{C}(p, \hat{1}^3)$ reactions. Nuclear Physics A, 2021, 1006, 122078.	1.5	5
78	Impact parameter dependence of collective flows and particle multiplicities in heavy-ion reactions. Journal of Physics G: Nuclear and Particle Physics, 1992, 18, 681-705.	3.6	4
79	Spin-polarized $\hat{1}^2$ -stable neutron star matter: The nuclear symmetry energy and GW170817 constraint. Physical Review C, 2020, 102, .	2.9	4
80	Equation of state of asymmetric nuclear matter and the tidal deformability of neutron star. European Physical Journal A, 2021, 57, 1.	2.5	4
81	Elastic α transfer in the $^{16}\text{O}+^{12}\text{C}$ scattering and its impact on the nuclear rainbow. European Physical Journal A, 2021, 57, 1.	2.5	4
82	Nuclear-rainbow scattering and nucleus-nucleus potentials at short distances. Physics of Atomic Nuclei, 2002, 65, 678-682.	0.4	3
83	Coupled-reaction-channel study of the $^{12}\text{C}(\hat{1}^\pm, \text{Be}8)$ reaction and the $\text{Be}8+\text{Be}8$ optical potential. Physical Review C, 2020, 102, .	2.9	3
84	R-matrix method and the nonlocal nucleon optical potential. Communications in Physics, 2018, 28, 323.	0.0	2
85	Spin symmetry energy and equation of state of spin-polarized neutron star matter. Physical Review C, 2022, 105, .	2.9	2
86	Thermalization effects in heavy-ion collisions. Nuclear Physics A, 1995, 583, 353-356.	1.5	1
87	At the end of the rainbow - an understanding of nuclear matter. Europhysics News, 2000, 31, 21-21.	0.3	1
88	Isovector deformation and its link to the neutron shell closure. European Physical Journal: Special Topics, 2007, 150, 31-34.	2.6	1
89	PROBING THE EQUATION OF STATE OF NUCLEAR MATTER IN THE NUCLEAR RAINBOW SCATTERING. International Journal of Modern Physics B, 2008, 22, 4684-4696.	2.0	1
90	Suppression of the nuclear rainbow in the inelastic nucleus-nucleus scattering. European Physical Journal A, 2021, 57, 1.	2.5	1

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91	Mean-field Study of (¹² C+ ¹² C) Fusion. Communications in Physics, 2016, 25, 265.	0.0	1
92	Basic equations of the quasiparticle-phonon nuclear model for odd spherical nuclei. Theoretical and Mathematical Physics(Russian Federation), 1985, 64, 819-826.	0.9	0
93	Isvector Mixing in Inelastic Scattering Induced by the Radioactive Beams. Progress of Theoretical Physics Supplement, 2002, 146, 452-456.	0.1	0
94	PROBING THE EQUATION OF STATE OF NUCLEAR MATTER IN THE NUCLEAR RAINBOW SCATTERING. , 2008, , .		0
95	The isoscalar transition strengths of the cluster states of ¹² C. Journal of Physics: Conference Series, 2014, 569, 012015.	0.4	0
96	Charge-Exchange Excitation of the Isobaric Analog State and Implication for the Nuclear Symmetry Energy and Neutron Skin. , 2015, , .		0
97	The 2+excitation of the Hoyle state. EPJ Web of Conferences, 2016, 107, 09001.	0.3	0