

Terry Mart

List of Publications by Year in descending order

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155
papers

2,146
citations

257450

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157
all docs

157
docs citations

157
times ranked

452
citing authors

#	ARTICLE	IF	CITATIONS
1	3D dose reconstruction of 6 MV medical linear accelerator based on modified ray tracing algorithm: A preliminary result. , 2021, , .		0
2	Discrimination between the final state of $t\bar{s} s\bar{t}$ and $t\bar{s} s\bar{t}$ using neural network. Journal of Physics: Conference Series, 2021, 1725, 012001.	0.4	0
3	How do I introduce Schrödinger equation during the quantum mechanics course?. Physics Education, 2021, 56, 025012.	0.5	1
4	Discrimination between the final state of $t\bar{t} H$ and $t\bar{t} b\bar{t}$ using neural network. Journal of Physics: Conference Series, 2021, 1725, 012002.	0.4	0
5	$K^+ \Lambda$ and $K^0 \Lambda$ photoproduction with High-Spin Nucleon Resonances. Journal of Physics: Conference Series, 2021, 1816, 012024.	0.4	1
6	The effects of ENSO, climate change and human activities on the water level of Lake Toba, Indonesia: a critical literature review. Geoscience Letters, 2021, 8, .	3.3	9
7	Electromagnetic Production of Kaon in All Isospin Channels: Summary of the Progress and Application. Few-Body Systems, 2021, 62, 1.	1.5	0
8	Extracting the pole and Breit-Wigner properties of nucleon and $\Lambda(1520)$ resonances from the $\Lambda(1520)$ resonances. Journal of Physics: Conference Series, 2021, 1816, 012024.	4.7	7
9	Novel phantom for performance evaluation of contrast-enhanced 3D rotational angiography. Physica Medica, 2021, 90, 91-98.	0.7	2
10	Role of the high-spin nucleon and delta resonances in the $K^+ \Lambda$ photoproduction. Physical Review D, 2021, 104, .	4.7	4
11	Significance of nucleon resonances in the $K^+ \Lambda$ photoproduction. AIP Conference Proceedings, 2020, , .	0.4	0
12	Modeling the electromagnetic form factors to describe the recoil-polarization observables in kaon electroproduction. AIP Conference Proceedings, 2020, , .	0.4	0
13	Progress in kaon photoproduction off the nucleon in six isospin channels. AIP Conference Proceedings, 2020, , .	0.4	0
14	Significance of nucleon resonances in kaon electroproduction. AIP Conference Proceedings, 2020, , .	0.4	0
15	Performance of top kinematic fit algorithm on $t\bar{t} H$ events. AIP Conference Proceedings, 2020, , .	0.4	0
16	Kaon electroproduction in a multipole approach. AIP Conference Proceedings, 2020, , .	0.4	0
17	Pure spin-5/2 propagator from the antisymmetric tensor spinor formalism. AIP Conference Proceedings, 2020, , .	0.4	0
18	Partial wave analysis of kaon electroproduction on the nucleon. AIP Conference Proceedings, 2020, , .	0.4	0

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19	Spin-11/2 and -13/2 nucleon resonances in kaon photoproduction off a proton. AIP Conference Proceedings, 2020, , .	0.4	3
20	Construction and Evaluation of a Multipurpose Performance Check Phantom for Computed Tomography. Atom Indonesia, 2020, 46, 69.	0.5	4
21	Addendum to predicting the Λ^0 photoproduction observables by using the multipoles approach. Progress of Theoretical and Experimental Physics, 2019, 2019, .	6.6	5
22	$K^+ \rightarrow \Lambda^0$ and $K^+ \rightarrow \Sigma^0$ Photoproduction in View of the New CLAS Data. Journal of Physics: Conference Series, 2019, 1245, 012069.	0.4	0
23	Photoproductions of $K^+ \Lambda^0$ and $K^0 \Lambda^0$ Studied by Using Isobar Model. Journal of Physics: Conference Series, 2019, 1245, 012080.	0.4	0
24	Covariant Isobar Model for $K^+ \Lambda^0$ Electroproduction. Journal of Physics: Conference Series, 2019, 1245, 012079.	0.4	1
25	Pure spin-3/2 representation with consistent interactions. Physical Review C, 2019, 100, .	2.9	7
26	Coupled $K^+ \Lambda^0$ and $K^+ \Sigma^0$ photoproduction on the nucleon valid from threshold up to $\sqrt{s} = 2.8$ GeV. Journal of Physics G: Nuclear and Particle Physics, 2019, 46, 105112.	4.7	10
27	Partial wave analysis for $K^+ \Lambda^0$ photoproduction on the nucleon valid from threshold up to $\sqrt{s} = 2.8$ GeV. Journal of Physics G: Nuclear and Particle Physics, 2019, 46, 105112.	3.6	13
28	Identification of the El Niño Effect on Lake Toba's Water Level Variation. IOP Conference Series: Earth and Environmental Science, 2019, 406, 012022.	0.3	5
29	Low Energy Theorem for Kaon Photoproduction. Journal of Physics: Conference Series, 2019, 1354, 012016.	0.4	0
30	Path integral quantization of an interacting pure spin-3/2 field. AIP Conference Proceedings, 2019, , .	0.4	0
31	Kaon photoproduction from threshold up to 5.5 GeV. AIP Conference Proceedings, 2019, , .	0.4	0
32	Background Dependence of Pole Position in Kaon Photoproduction. Journal of Physics: Conference Series, 2019, 1354, 012015.	0.4	1
33	A New Isobar Model For $K^+ \Lambda^0$ Photoproduction. , 2019, , .		1
34	Some Phenomenological Aspects of Kaon Photoproduction in the Extreme Kinematics. Acta Physica Polonica B, 2019, 50, 1389.	0.8	2
35	Expanding the Kaon Photoproduction Amplitude at Threshold. , 2019, , .		0
36	Isobar model for $K^+ \Lambda^0$ photoproduction. AIP Conference Proceedings, 2018, , .	0.4	0

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37	First attempt to extract the low energy multipoles from kaon photoproduction data. AIP Conference Proceedings, 2018, , .	0.4	0
38	Massive particle spin 3/2 propagator. AIP Conference Proceedings, 2018, , .	0.4	0
39	Multipoles model for $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \langle \text{mml:mrow} \langle \text{mml:msup} \langle \text{mml:mi} \rangle \text{K} \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle + \langle \text{mml:mo} \rangle \langle \text{mml:mathvariant="normal"} \rangle \hat{\Gamma} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ photoproduction on the nucleon reexamined. Physical Review C, 2017, 95, .	2.9	27
40	Kaon photoproduction in field theoretic and multipoles approaches. AIP Conference Proceedings, 2017, , .	0.4	0
41	Influence of the nucleon radius on the properties of slowly rotating neutron stars. Physical Review C, 2017, 95, .	2.9	7
42	Isobar model for kaon photoproduction with spin- $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \text{display="inline"} \langle \text{mml:mrow} \langle \text{mml:mn} \rangle 7 \langle \text{mml:mn} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ and - $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \text{display="inline"} \langle \text{mml:mrow} \langle \text{mml:mn} \rangle 9 \langle \text{mml:mn} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ nucleon resonances. Physical Review D, 2017, 96, .	4.7	27
43	Contribution of the spin-7/2 and -9/2 nucleon resonances in kaon photoproduction on a nucleon. AIP Conference Proceedings, 2017, , .	0.4	2
44	Pure spin-3/2 propagator for use in particle and nuclear physics. Physical Review C, 2017, 96, .	2.9	11
45	Role of spin-3/2 hyperon resonances in the kaon photoproduction $\hat{\Gamma}^3 p \hat{\alpha}^+ K^+ \hat{\Gamma}$. Journal of Physics: Conference Series, 2017, 856, 012011.	0.4	1
46	Predicting $K^0 \hat{\Gamma}$ photoproduction observables by using the multipole approach. Progress of Theoretical and Experimental Physics, 2017, 2017, .	6.6	10
47	Role of the nucleon resonances with different spins in the photoproduction of kaon on the nucleon. Journal of Physics: Conference Series, 2017, 856, 012001.	0.4	1
48	Hyperon resonances with spin-5/2 in kaon photoproduction. AIP Conference Proceedings, 2017, , .	0.4	0
49	Photoproduction of $K^+ \hat{\Gamma}$ in a multipole approach revisited. AIP Conference Proceedings, 2017, , .	0.4	0
50	Kaon photoproduction processes $\hat{\Gamma}^3 p \hat{\alpha}^+ K^+ \hat{\Gamma}$ and $\hat{\Gamma}^3 n \hat{\alpha}^+ K^0 \hat{\Gamma}$ from thresholds up to $W = 2.0$ GeV. AIP Conference Proceedings, 2017, , .	0.4	1
51	Electromagnetic Production of Kaon with Spin 3/2 and 5/2 Nucleon Resonances. , 2016, , .		0
52	Effect of the Spin 3/2 Nucleon Resonances in Kaon Photoproduction. Journal of Physics: Conference Series, 2016, 739, 012008.	0.4	0
53	Effects of the Consistent Interaction on Kaon Photoproduction with Spin 5/2 Nucleon Resonances. Journal of Physics: Conference Series, 2016, 739, 012112.	0.4	0
54	Kaon Photoproduction Near Threshold in Six Isospin Channels Revisited. Journal of Physics: Conference Series, 2016, 739, 012129.	0.4	0

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73	Role of the K^1 Meson in K^0 Photoproduction off the Deuteron. Few-Body Systems, 2013, 54, 261-264.	1.5	2
74	Evidence of the Non-Strange Partner of Pentaquark from the Elementary K^+ Photoproduction. Few-Body Systems, 2013, 54, 311-315.	1.5	4
75	Nonidentical protons. Physical Review C, 2013, 87, .	2.9	17
76	Coupling strength of the $N^*(1685)$ resonance. Physical Review C, 2013, 87, .	2.9	17
77	Reply to "Comment on 'Nonidentical protons'". Physical Review C, 2013, 88, .	2.9	5
78	Constraining the mass and width of the $N^*(1685)$ resonance. Physical Review D, 2013, 88, .	4.7	22
79	HADRONIC FORM FACTORS IN THE \bar{p}^+K^+ PROCESS. Modern Physics Letters A, 2013, 28, 1350054.	1.2	10
80	Appropriate observables for investigating narrow resonances in kaon photoproduction off a proton. , 2012, , .		2
81	Origin of the second peak in the cross section of K^+ photoproduction. Physical Review C, 2012, 86, .	2.9	30
82	Role of Resonances in the Electromagnetic Production of Kaon Near Threshold. EPJ Web of Conferences, 2012, 20, 02007.	0.3	1
83	Evidence for the $J^P=1/2^+$ narrow state at 1650 MeV in the photoproduction of K^+ . Physical Review D, 2011, 83, .	4.7	25
84	Electromagnetic production of hypernuclei. Annals of Physics, 2011, 326, 1085-1106.	2.8	2
85	Photo- and electroproduction of K^+ near threshold and effects of the $N^*(1685)$ resonance form factor. Physical Review C, 2011, 83, .	2.9	31
86	Kaon photoproduction and electroproduction near threshold. , 2011, , .		0
87	Electromagnetic Productions of the Hyperon and the Hypertriton Using Real and Virtual Photons. EPJ Web of Conferences, 2010, 3, 07002.	0.3	2
88	Strange-particle production via the weak interaction. Physical Review C, 2010, 82, .	2.9	13
89	Electromagnetic production of kaons near threshold. Physical Review C, 2010, 82, .	2.9	36
90	PROGRESS AND ISSUES IN THE ELECTROMAGNETIC PRODUCTION OF KAON ON THE NUCLEON. International Journal of Modern Physics E, 2010, 19, 2343-2354.	1.0	10

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91	NEUTRAL KAON PHOTOPRODUCTION ON THE DEUTERON. Modern Physics Letters A, 2009, 24, 968-973.	1.2	4
92	KAON PHOTOPRODUCTION ON THE NUCLEON WITH CONSTRAINED PARAMETERS. Modern Physics Letters A, 2009, 24, 964-967.	1.2	0
93	FERMI MOTION AND OFF-SHELL EFFECTS IN ELECTROMAGNETIC PRODUCTION OF THE HYPERTRITON. Modern Physics Letters A, 2009, 24, 1039-1042.	1.2	1
94	EFFECTS OF THE NEUTRINO TRAPPING ON THE LOW-DENSITY INSTABILITY OF MULTI-COMPONENT MATTER. Modern Physics Letters A, 2009, 24, 1059-1062.	1.2	1
95	Effects of the higher partial waves and relativistic terms on the accuracy of the calculation of the hypertriton electroproduction. Nuclear Physics A, 2009, 815, 18-28.	1.5	5
96	PROGRESS AND ISSUES IN THE ELECTROMAGNETIC PRODUCTION OF KAON ON THE NUCLEON. , 2009, , .		1
97	Gerasimov-Drell-Hearn sum rule and the discrepancy between the new CLAS and SAPHIR data. Few-Body Systems, 2008, 42, 125-138.	1.5	7
98	KAON CONTRIBUTIONS TO THE GERASIMOVâ€DRELLâ€HEARN INTEGRALS ON THE PROTON. International Journal of Modern Physics A, 2008, 23, 599-612.	1.5	4
99	CAN WE EXTRACT THE PION ELECTROMAGNETIC FORM FACTOR FROM A t-CHANNEL DIAGRAM ONLY?. Modern Physics Letters A, 2008, 23, 3317-3329.	1.2	2
100	Electromagnetic Productions of K^+ and K^0 on the Nucleons. AIP Conference Proceedings, 2008, , .	0.4	3
101	Low-density instability of multicomponent matter with trapped neutrinos. Physical Review C, 2008, 78, .	2.9	4
102	Photo- and electroproduction of the hypertriton on He3. Physical Review C, 2008, 78, .	2.9	18
103	Analysis of the consistency of kaon photoproduction data with $\hat{1}$ in the final state. Physical Review C, 2007, 76, .	2.9	33
104	Instabilities of relativistic mean field models and the role of nonlinear terms. Physical Review C, 2007, 76, .	2.9	11
105	Impact of the monetary crisis on statistical properties of the Jakarta and Kuala Lumpur stock exchange indices. Physica A: Statistical Mechanics and Its Applications, 2007, 373, 634-650.	2.6	2
106	Effects of the neutrino electromagnetic form factors on the neutrino and antineutrino mean free paths difference in dense matter. Nuclear Physics A, 2007, 782, 400-405.	1.5	3
107	Isobar Model for Photoproduction of $K^+ \hat{1}^0$ and $K^0 \hat{1}^+$ on the Proton. , 2007, , .		0
108	Relativistic Mean Field Models at High Densities. , 2007, , .		0

#	ARTICLE	IF	CITATIONS
109	Multipole approach for photo- and electroproduction of kaons. , 2007, , 345-348.		1
110	Differential Cross Section and Photon-Beam Asymmetry for the $\gamma^3 \hat{a}^+ \hat{n} \hat{a}^+ K + \hat{1} \hat{x} \hat{a}^+$ Reaction at $E^3 = 1.5 \hat{a}^+ 2.4 \hat{a}^+ \hat{a}^+ \hat{a}^+ \text{GeV}$. Physical Review Letters, 2006, 97, 082003.	7.8	62
111	Effect of neutrino electromagnetic form factors on the neutrino cross section in dense matter. Physical Review C, 2006, 73, .	2.9	9
112	K^0 photoproduction on the deuteron and the extraction of the elementary amplitude. Physical Review C, 2006, 74, .	2.9	25
113	Polarization observables in exclusive kaon photoproduction on the deuteron. Physical Review C, 2006, 74, .	2.9	15
114	Low density instability in relativistic mean field models. Physical Review C, 2006, 74, .	2.9	23
115	Neutron structure effects in the deuteron and one neutron halos. Physical Review C, 2006, 74, .	2.9	4
116	Kaon photoproduction in a multipole approach. Physical Review C, 2006, 74, .	2.9	64
117	The $\gamma^3 \hat{a}^+ \hat{p} \hat{a}^+ K + \hat{1}$ and $\gamma^3 \hat{a}^+ \hat{p} \hat{a}^+ K + \hat{1} \hat{x} \hat{a}^+$ reactions at forward angles with photon energies from 1.5 to 2.4 GeV. Physical Review C, 2006, 73, .	2.9	154
118	Measurement of the reaction $\hat{1}^3 \hat{p} \hat{a}^+ K^0 \hat{1} \hat{x} \hat{a}^+$ at photon energies up to 2.6 GeV. European Physical Journal A, 2005, 24, 275-285.	2.5	86
119	Photoproduction of the $\hat{1}^+$ pentaquark in Feynman and Regge theories. Physical Review C, 2005, 71, .	2.9	5
120	Isvector-channel role of relativistic mean field models in the neutrino mean free path. Physical Review C, 2005, 72, .	2.9	19
121	Nilsson parameters $\hat{1}^p$ and $\hat{1}^{1/4}$ in relativistic mean field models. Physical Review C, 2005, 71, .	2.9	9
122	Neutrino electromagnetic form factor and oscillation effects on neutrino interaction with dense matter. Physical Review D, 2005, 71, .	4.7	4
123	PHOTOPRODUCTION OF $\hat{1}^+$ ON THE NUCLEON AND DEUTERON. , 2005, , .		0
124	Neutron fraction and neutrino mean free path predictions in relativistic mean field models. Physical Review C, 2004, 70, .	2.9	9
125	Statistical properties of the Indonesian Stock Exchange Index. Physica A: Statistical Mechanics and Its Applications, 2004, 344, 198-202.	2.6	4
126	MISSING RESONANCES IN KAON PHOTOPRODUCTION ON THE NUCLEON. , 2004, , .		1

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127	Separation of the longitudinal and transverse cross sections in the $1H(e,e\epsilon^2K^+)\hat{1}$ and $1H(e,e\epsilon^2K^+)\hat{1}\epsilon^0$ reactions. Physical Review C, 2003, 67, .	2.9	59
128	First Measurement of Transferred Polarization in the Exclusive $e\hat{1}^+p\hat{1}^+e\epsilon^2K^+\hat{1}\hat{1}^+$ Reaction. Physical Review Letters, 2003, 90, 131804.	7.8	64
129	ELECTROMAGNETIC K^+ PRODUCTION ON LIGHT NUCLEI WITH BEAM AND HYPERON RECOIL POLARIZATIONS. Modern Physics Letters A, 2003, 18, 290-293.	1.2	1
130	KAON PHOTO- AND ELECTROPRODUCTION ON THE DEUTERON WITH BEAM AND RECOIL POLARIZATIONS. , 2002, , .		0
131	Kaon photoproduction on the nucleon: Overview of some applications. Nuclear Physics A, 2001, 684, 502-504.	1.5	1
132	Gauge-invariant description of photo- and electroproduction of mesons with extended nucleons applied to kaon production. Nuclear Physics A, 2001, 684, 475-477.	1.5	8
133	Electromagnetic K^+ production on the deuteron with hyperon recoil polarization. Nuclear Physics A, 2001, 691, 64-67.	1.5	0
134	New results on $\hat{1}$ and $\hat{1}\epsilon^2$ photoproduction with SAPHIR at ELSA. Nuclear Physics A, 2001, 691, 374-380.	1.5	5
135	Quasifree kaon photoproduction on nuclei. Nuclear Physics A, 2001, 695, 237-272.	1.5	69
136	Role of $P_{13}(1720)$ in $K^+\hat{1}$ photoproduction. Physical Review C, 2000, 62, .	2.9	50
137	Coupled $\hat{1}N\hat{1}$ and $\hat{1}NN\hat{1}$ Systems and Hyperon-Nucleon Interactions. Few-Body Systems, 2000, , 324-329.	0.2	12
138	Phenomenological aspects of kaon photoproduction on the nucleon. , 2000, , 113-118.		1
139	Hyperon polarization in Kaon photoproduction from the deuteron. , 2000, , 119-123.		0
140	Final State Interaction in Kaon Photoproduction from the Deuteron. Few-Body Systems, 2000, , 387-390.	0.2	0
141	Inclusive K^+ and exclusive K^+Y photoproduction on the deuteron: $\hat{1}\hat{1}$ and $\hat{1}\epsilon$ -threshold phenomena. Physical Review C, 1999, 61, .	2.9	31
142	Evidence for a missing nucleon resonance in kaon photoproduction. Physical Review C, 1999, 61, .	2.9	185
143	Kaon photoproduction on the nucleon: Contributions of kaon-hyperon final states to the magnetic moment of the nucleon. Physical Review C, 1999, 60, .	2.9	13
144	Measurement of $\hat{1}^3p\hat{1}^+K^0\hat{1}^+$ at photon energies up to 1.55 GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 464, 331-338.	4.1	41

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145	Kaon Photoproduction with Form Factors in a Gauge-invariant Approach. Few-Body Systems, 1999, , 515-518.	0.2	1
146	Kaon electromagnetic production on nuclei. Nuclear Physics A, 1998, 639, 227c-235c.	1.5	4
147	Measurement of $\hat{1}^3p\hat{a}^+K+\hat{1}$ and $\hat{1}^3p\hat{a}^+K+\hat{1}\xi^0$ at photon energies up to 2 GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 445, 20-26.	4.1	167
148	Photoproduction of the hypertriton. Nuclear Physics A, 1998, 631, 765-770.	1.5	5
149	$K^0\hat{1}\xi^+$ photoproduction with SAPHIR. Nuclear Physics A, 1998, 639, 209c-212c.	1.5	6
150	Kaon and hyperon form factors in kaon electroproduction on the nucleon. Nuclear Physics A, 1998, 639, 237c-246c.	1.5	14
151	Electromagnetic production of the hypertriton. Nuclear Physics A, 1998, 640, 235-258.	1.5	23
152	Gauge-invariant tree-level photoproduction amplitudes with form factors. Physical Review C, 1998, 58, R40-R44.	2.9	140
153	Strangeness photoproduction with the SAPHIR detector. , 1997, , .		0
154	Suppression of coupling constants in $\hat{1}\xi$ photoproduction. Nuclear Physics A, 1995, 585, 369-370.	1.5	2
155	Constraints on coupling constants through charged $\hat{1}\xi$ photoproduction. Physical Review C, 1995, 51, R1074-R1077.	2.9	71