

Terry Mart

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9397066/publications.pdf>

Version: 2024-02-01

155
papers

2,146
citations

257450
24
h-index

243625
44
g-index

157
all docs

157
docs citations

157
times ranked

452
citing authors

#	ARTICLE		IF	CITATIONS
1	Evidence for a missing nucleon resonance in kaon photoproduction. Physical Review C, 1999, 61, .	2.9	185	
2	Measurement of $\bar{p}K^+$ and $\bar{p}\bar{K}$ 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	
3	The $\bar{p}K^+$ and $\bar{p}\bar{K}$ Reactions at forward angles with photon energies from 1.5 to 2.4 GeV. Physical Review C, 2006, 73, .	2.9	154	
4	Gauge-invariant tree-level photoproduction amplitudes with form factors. Physical Review C, 1998, 58, R40-R44.	2.9	140	
5	Measurement of the reaction $\bar{p} K^+$ at photon energies up to 2.6 GeV. European Physical Journal A, 2005, 24, 275-285.	2.5	86	
6	Constraints on coupling constants through charged \bar{K} photoproduction. Physical Review C, 1995, 51, R1074-R1077.	2.9	71	
7	Quasifree kaon photoproduction on nuclei. Nuclear Physics A, 2001, 695, 237-272.	1.5	69	
8	First Measurement of Transferred Polarization in the Exclusive $e\bar{p}K^+$ Reaction. Physical Review Letters, 2003, 90, 131804.	7.8	64	
9	Kaon photoproduction in a multipole approach. Physical Review C, 2006, 74, .	2.9	64	
10	Differential Cross Section and Photon-Beam Asymmetry for the $\bar{p}n\bar{K}$ Reaction at $E=1.5-2.4$ GeV. Physical Review Letters, 2006, 97, 082003.	7.8	62	
11	Separation of the longitudinal and transverse cross sections in the $e\bar{p}K^+$ and $e\bar{p}\bar{K}$ Reactions. Physical Review C, 2003, 67, .	2.9	59	
12	and 	4.1	54	
13	Role of P13(1720) in \bar{K} photoproduction. Physical Review C, 2000, 62, .	2.9	50	
14	Measurement of $\bar{p}K^+$ 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	
15	Nucleon resonances with spin 3/2 and 5/2 in the isobar model for kaon photoproduction. Physical Review D, 2015, 92, .	4.7	41	
16	Electromagnetic production of kaons near threshold. Physical Review C, 2010, 82, .	2.9	36	
17	Analysis of the consistency of kaon photoproduction data with \bar{K} in the final state. Physical Review C, 2007, 76, .	2.9	33	
18	Inclusive K^+ and exclusive K^+Y photoproduction on the deuteron: \bar{K} -threshold phenomena. Physical Review C, 1999, 61, .	2.9	31	

#	ARTICLE	IF	CITATIONS
19	Photo- and electroproduction of K^+ . threshold and effects of the form factor. Physical Review C, 2011, 83, .	2.9	31
20	Origin of the second peak in the cross section of K^+ photoproduction. Physical Review C, 2012, 86, .	2.9	30
21	Multipoles model for K^+ photoproduction on the nucleon Isobars model for kaon photoproduction with spin-1/2. Physical Review C, 2017, 95, .	2.9	27
22	and - nucleon resonances. Physical Review D, 2017, 96, .	4.7	27
23	K^0 photoproduction on the deuteron and the extraction of the elementary amplitude. Physical Review C, 2006, 74, .	2.9	25
24	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
25	Bosons star at finite temperature. Physical Review D, 2014, 90, .	4.7	24
26	Electromagnetic production of the hypertriton. Nuclear Physics A, 1998, 640, 235-258.	1.5	23
27	Low density instability in relativistic mean field models. Physical Review C, 2006, 74, .	2.9	23
28	Constraining the mass and width of the $\text{N}^*(1685)$ resonance. Physical Review D, 2013, 88, .	4.7	22
29	Electromagnetic production of $\text{K}^+\pi^-$ on the nucleon near threshold. Physical Review C, 2014, 90, .	2.9	21
30	Isovector-channel role of relativistic mean field models in the neutrino mean free path. Physical Review C, 2005, 72, .	2.9	19
31	Photo- and electroproduction of the hypertriton on He_3 . Physical Review C, 2008, 78, .	2.9	18
32	Nonidentical protons. Physical Review C, 2013, 87, .	2.9	17
33	Coupling strength of the the K^+ . Physical Review C, 2013, 87, .	2.9	17
34	Are Hyperon Resonances Required in the Elementary K^+ Photoproduction?. Few-Body Systems, 2013, 54, 1729-1739.	1.5	16
35	Polarization observables in exclusive kaon photoproduction on the deuteron. Physical Review C, 2006, 74, .	2.9	15
36	Kaon and hyperon form factors in kaon electroproduction on the nucleon. Nuclear Physics A, 1998, 639, 237c-246c.	1.5	14

#	ARTICLE	IF	CITATIONS
37	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
38	Strange-particle production via the weak interaction. Physical Review C, 2010, 82, .	2.9	13
39	Partial wave analysis for $\langle i \rangle K \langle /i \rangle \bar{\Lambda}$ photoproduction on the nucleon valid from threshold up to $\langle i \rangle W \langle /i \rangle = 2.8$ GeV. Journal of Physics G: Nuclear and Particle Physics, 2019, 46, 105112.	3.6	13
40	Coupled $\bar{N} \rightarrow \bar{\Lambda} N$ and $\bar{\Lambda} NN \rightarrow \bar{\Lambda} NN$ Systems and Hyperon-Nucleon Interactions. Few-Body Systems, 2000, , 324-329.	0.2	12
41	Instabilities of relativistic mean field models and the role of nonlinear terms. Physical Review C, 2007, 76, .	2.9	11
42	A combination of hadronic form factors for modeling the kaon photoproduction process $\bar{K}^3 p \rightarrow K^+ \bar{K}$. International Journal of Modern Physics E, 2015, 24, 1550008.	1.0	11
43	Pure spin-3/2 propagator for use in particle and nuclear physics. Physical Review C, 2017, 96, .	2.9	11
44	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
45	HADRONIC FORM FACTORS IN THE $\bar{K}^3 p \rightarrow K^+ \bar{K}$ PROCESS. Modern Physics Letters A, 2013, 28, 1350054.	1.2	10
46	Predicting $K^0 \bar{\Lambda}$ photoproduction observables by using the multipole approach. Progress of Theoretical and Experimental Physics, 2017, 2017, .	6.6	10
47	$\text{display="block">\langle mml:mrow>\langle mml:msup>\langle mml:mrow>\langle mml:mi>K</mml:mi>\langle /mml:mrow>\langle mml:mrow>\langle mml:mo>+\langle /mml:mo>\langle /mml:mrow>$ $\text{mathvariant="normal">}\bar{\Lambda}</mml:mi>\langle /mml:mrow>\langle /mml:math> \text{ and } \langle mml:math}$ $\text{xmlns:mml="http://www.w3.org/1998/Math/MathML"}$ $\text{display="block">\langle mml:mrow>\langle mml:msup>\langle mml:mrow>\langle mml:mi>K</mml:mi>\langle /mml:mrow>\langle mml:mrow>\langle mml:mn>0</mml:mn>\langle /mml:mrow>$ $\text{mathvariant="normal">}\bar{K}</mml:mi>\langle /mml:mrow>\langle /mml:math> \text{ photop. Physical Review D, 2019, 100, .}$	4.7	10
48	Neutron fraction and neutrino mean free path predictions in relativistic mean field models. Physical Review C, 2004, 70, .	2.9	9
49	Nilsson parameters $\hat{\nu}_0$ and $\hat{\nu}_{1/4}$ in relativistic mean field models. Physical Review C, 2005, 71, .	2.9	9
50	Effect of neutrino electromagnetic form factors on the neutrino cross section in dense matter. Physical Review C, 2006, 73, .	2.9	9
51	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
52	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
53	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
54	Influence of the nucleon radius on the properties of slowly rotating neutron stars. Physical Review C, 2017, 95, .	2.9	7

#	ARTICLE	IF	CITATIONS
55	Pure spin-3/2 representation with consistent interactions. Physical Review C, 2019, 100, . Extracting the pole and Breit-Wigner properties of nucleon and resonances from the $\Lambda^3 K \Lambda$ photoproduction with SAPHIR. Nuclear Physics A, 1998, 639, 209c-212c.	2.9	7
56	Photoproduction of the hypertriton. Nuclear Physics A, 1998, 631, 765-770.	4.7	7
57	New results on Λ and Λ^2 photoproduction with SAPHIR at ELSA. Nuclear Physics A, 2001, 691, 374-380.	1.5	6
58	Photoproduction of the Λ^+ -pentaquark in Feynman and Regge theories. Physical Review C, 2005, 71, .	2.9	5
59	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
60	Reply to "Comment on 'Nonidentical protons'" Physical Review C, 2013, 88, .	2.9	5
61	Hadronic form factors in kaon photoproduction. , 2014, , .	5	
62	Addendum to predicting the $K^0\Lambda$ photoproduction observables by using the multipoles approach. Progress of Theoretical and Experimental Physics, 2019, 2019, .	6.6	5
63	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
64	Kaon electromagnetic production on nuclei. Nuclear Physics A, 1998, 639, 227c-235c.	1.5	4
65	Statistical properties of the Indonesian Stock Exchange Index. Physica A: Statistical Mechanics and Its Applications, 2004, 344, 198-202.	2.6	4
66	Neutrino electromagnetic form factor and oscillation effects on neutrino interaction with dense matter. Physical Review D, 2005, 71, .	4.7	4
67	Neutron structure effects in the deuteron and one neutron halos. Physical Review C, 2006, 74, .	2.9	4
68	KAON CONTRIBUTIONS TO THE GERASIMOV-DRELL-HEARN INTEGRALS ON THE PROTON. International Journal of Modern Physics A, 2008, 23, 599-612.	1.5	4
69	Low-density instability of multicomponent matter with trapped neutrinos. Physical Review C, 2008, 78, .	2.9	4
70	NEUTRAL KAON PHOTOPRODUCTION ON THE DEUTERON. Modern Physics Letters A, 2009, 24, 968-973.	1.2	4

#	ARTICLE	IF	CITATIONS
73	Evidence of the Non-Strange Partner of Pentaquark from the Elementary $K + \bar{\nu}$ Photoproduction. Few-Body Systems, 2013, 54, 311-315.	1.5	4
74	Construction and Evaluation of a Multipurpose Performance Check Phantom for Computed Tomography. Atom Indonesia, 2020, 46, 69.	0.5	4
75	Extraction of the Proton Charge Radius from Experiments. Makara Journal of Science, 2016, 20, . Role of the high-spin nucleon and delta resonances in the $\text{K} + \bar{\nu}$ photoproduction off the nucleon. Physical Review D, 2021, 104, .	0.3	4
76	mathvariant="normal"> $\text{K} + \bar{\nu}$ photoproduction off the nucleon. Physical Review D, 2021, 104, .	4.7	4
77	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
78	Electromagnetic Productions of $K\bar{\nu}$ and $K\bar{\xi}$ on the Nucleons. AIP Conference Proceedings, 2008, , .	0.4	3
79	Spin-11/2 and -13/2 nucleon resonances in kaon photoproduction off a proton. AIP Conference Proceedings, 2020, , .	0.4	3
80	Suppression of coupling constants in $\bar{\xi}$ photoproduction. Nuclear Physics A, 1995, 585, 369-370.	1.5	2
81	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
82	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
83	Electromagnetic Productions of the Hyperon and the Hypertriton Using Real and Virtual Photons. EPJ Web of Conferences, 2010, 3, 07002.	0.3	2
84	Electromagnetic production of hypernuclei. Annals of Physics, 2011, 326, 1085-1106.	2.8	2
85	Appropriate observables for investigating narrow resonances in kaon photoproduction off a proton. , 2012, , .	2	
86	Role of the K 1 Meson in K 0 Photoproduction off the Deuteron. Few-Body Systems, 2013, 54, 261-264.	1.5	2
87	Reply to "Comment on 'Nonidentical protons'". Physical Review C, 2016, 93, .	2.9	2
88	Contribution of the spin-7/2 and -9/2 nucleon resonances in kaon photoproduction on a nucleon. AIP Conference Proceedings, 2017, , .	0.4	2
89	Novel phantom for performance evaluation of contrast-enhanced 3D rotational angiography. Physica Medica, 2021, 90, 91-98.	0.7	2
90	Some Phenomenological Aspects of Kaon Photoproduction in the Extreme Kinematics. Acta Physica Polonica B, 2019, 50, 1389.	0.8	2

#	ARTICLE	IF	CITATIONS
91	Kaon photoproduction on the nucleon: Overview of some applications. Nuclear Physics A, 2001, 684, 502-504.	1.5	1
92	ELECTROMAGNETIC K+ PRODUCTION ON LIGHT NUCLEI WITH BEAM AND HYPERON RECOIL POLARIZATIONS. Modern Physics Letters A, 2003, 18, 290-293.	1.2	1
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	Role of Resonances in the Electromagnetic Production of Kaon Near Threshold. EPJ Web of Conferences, 2012, 20, 02007.	0.3	1
96	Near Threshold Photoproduction of Σ in Four Isospin Channels. Few-Body Systems, 2013, 54, 1167-1170.	1.5	1
97	Viscosities of gluon dominated QGP model within relativistic non-Abelian hydrodynamics. International Journal of Modern Physics A, 2015, 30, 1550077.	1.5	1
98	Update on the impact of the proton radius on the neutron star radius. Journal of Physics: Conference Series, 2016, 771, 012053.	0.4	1
99	Role of spin-3/2 hyperon resonances in the kaon photoproduction $\bar{p} \rightarrow K^+ \pi^-$. Journal of Physics: Conference Series, 2017, 856, 012011.	0.4	1
100	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
101	Kaon photoproduction processes $\bar{p} \rightarrow K^+ \pi^-$ and $\bar{n} \rightarrow K^0 \bar{\pi}$ from thresholds up to $W = 2.0$ GeV. AIP Conference Proceedings, 2017, ,.	0.4	1
102	Covariant Isobar Model for K^+ Electroproduction. Journal of Physics: Conference Series, 2019, 1245, 012079.	0.4	1
103	Background Dependence of Pole Position in Kaon Photoproduction. Journal of Physics: Conference Series, 2019, 1354, 012015.	0.4	1
104	A New Isobar Model For $K^+ \pi^-$ Photoproduction. , 2019, ,.		1
105	How do I introduce Schrödinger equation during the quantum mechanics course?. Physics Education, 2021, 56, 025012.	0.5	1
106	$K^+ \pi^-$ and $K^0 \bar{\pi}$ photoproduction with High-Spin Nucleon Resonances. Journal of Physics: Conference Series, 2021, 1816, 012024.	0.4	1
107	Kaon Photoproduction with Form Factors in a Gauge-invariant Approach. Few-Body Systems, 1999, , 515-518.	0.2	1
108	Phenomenological aspects of kaon photoproduction on the nucleon. , 2000, , 113-118.		1

#	ARTICLE	IF	CITATIONS
109	MISSING RESONANCES IN KAON PHOTOPRODUCTION ON THE NUCLEON. , 2004, , .	1	
110	PROGRESS AND ISSUES IN THE ELECTROMAGNETIC PRODUCTION OF KAON ON THE NUCLEON. , 2009, , .	1	
111	Multipole approach for photo- and electroproduction of kaons. , 2007, , 345-348.	1	
112	Strangeness photoproduction with the SAPHIR detector. , 1997, , .	0	
113	Electromagnetic K+ production on the deuteron with hyperon recoil polarization. Nuclear Physics A, 2001, 691, 64-67.	1.5	0
114	KAON PHOTOPRODUCTION ON THE NUCLEON WITH CONSTRAINED PARAMETERS. Modern Physics Letters A, 2009, 24, 964-967.	1.2	0
115	Kaon photoproduction and electroproduction near threshold. , 2011, , .	0	
116	Are protons nonidentical fermions?., 2014, , .	0	
117	Bayesian analysis for kaon photoproduction. , 2014, , .	0	
118	Viscous quark-gluon plasma model through fluid QCD approach. , 2014, , .	0	
119	Electromagnetic Production of Kaon with Spin 3/2 and 5/2 Nucleon Resonances. , 2016, , .	0	
120	Effect of the Spin 3/2 Nucleon Resonances in Kaon Photoproduction. Journal of Physics: Conference Series, 2016, 739, 012008.	0.4	0
121	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
122	Kaon Photoproduction Near Threshold in Six Isospin Channels Revisited. Journal of Physics: Conference Series, 2016, 739, 012129.	0.4	0
123	Spin 3/2 and 5/2 nucleon resonances in kaon electroproduction. AIP Conference Proceedings, 2016, , .	0.4	0
124	Formulation of spin 7/2 and 9/2 nucleon resonance amplitudes for kaon photoproduction off a proton. AIP Conference Proceedings, 2016, , .	0.4	0
125	Cosmic String Global Superconducting Dirac Born Infeld. Journal of Physics: Conference Series, 2016, 739, 012061.	0.4	0
126	Kaon photoproduction in field theoretic and multipoles approaches. AIP Conference Proceedings, 2017, , .	0.4	0

#	ARTICLE	IF	CITATIONS
127	Hyperon resonances with spin-5/2 in kaon photoproduction. AIP Conference Proceedings, 2017, , .	0.4	0
128	Photoproduction of $K+\bar{\Lambda}$ in a multipole approach revisited. AIP Conference Proceedings, 2017, , .	0.4	0
129	Isobar model for $K+\bar{\Xi}0$ photoproduction. AIP Conference Proceedings, 2018, , .	0.4	0
130	First attempt to extract the low energy multipoles from kaon photoproduction data. AIP Conference Proceedings, 2018, , .	0.4	0
131	Massive particle spin 3/2 propagator. AIP Conference Proceedings, 2018, , .	0.4	0
132	K^{+} and $K^{+}\bar{\Xi}0$ Photoproduction in View of the New CLAS Data. Journal of Physics: Conference Series, 2019, 1245, 012069.	0.4	0
133	Photoproductions of $K+\bar{\Lambda}$ and $K\bar{0}$ Studied by Using Isobar Model. Journal of Physics: Conference Series, 2019, 1245, 012080.	0.4	0
134	Low Energy Theorem for Kaon Photoproduction. Journal of Physics: Conference Series, 2019, 1354, 012016.	0.4	0
135	Path integral quantization of an interacting pure spin-3/2 field. AIP Conference Proceedings, 2019, , .	0.4	0
136	Kaon photoproduction from threshold up to 5.5 GeV. AIP Conference Proceedings, 2019, , .	0.4	0
137	Significance of nucleon resonances in the $K+\bar{\Lambda}$ photoproduction. AIP Conference Proceedings, 2020, , .	0.4	0
138	Modeling the electromagnetic form factors to describe the recoil-polarization observables in kaon electroproduction. AIP Conference Proceedings, 2020, , .	0.4	0
139	Progress in kaon photoproduction off the nucleon in six isospin channels. AIP Conference Proceedings, 2020, , .	0.4	0
140	Significance of nucleon resonances in kaon electroproduction. AIP Conference Proceedings, 2020, , .	0.4	0
141	Performance of top kinematic fit algorithm on $t\bar{t}\bar{H}$ events. AIP Conference Proceedings, 2020, , .	0.4	0
142	Kaon electroproduction in a multipole approach. AIP Conference Proceedings, 2020, , .	0.4	0
143	Pure spin-5/2 propagator from the antisymmetric tensor spinor formalism. AIP Conference Proceedings, 2020, , .	0.4	0
144	Partial wave analysis of kaon electroproduction on the nucleon. AIP Conference Proceedings, 2020, , .	0.4	0

#	ARTICLE	IF	CITATIONS
145	3D dose reconstruction of 6 MV medical linear accelerator based on modified ray tracing algorithm: A preliminary result. , 2021, , .	0	0
146	Discrimination between the final state of $t\bar{s}H$ and $t\bar{s}A$ using neural network. Journal of Physics: Conference Series, 2021, 1725, 012001.	0.4	0
147	Discrimination between the final state of $t\bar{t}H$ and $t\bar{t}b\bar{b}$ using neural network. Journal of Physics: Conference Series, 2021, 1725, 012002.	0.4	0
148	Electromagnetic Production of Kaon in All Isospin Channels: Summary of the Progress and Application. Few-Body Systems, 2021, 62, 1.	1.5	0
149	Hyperon polarization in Kaon photoproduction from the deuteron. , 2000, , 119-123.	0	0
150	Final State Interaction in Kaon Photoproduction from the Deuteron. Few-Body Systems, 2000, , 387-390.	0.2	0
151	KAON PHOTO- AND ELECTROPRODUCTION ON THE DEUTERON WITH BEAM AND RECOIL POLARIZATIONS. , 2002, , .	0	0
152	PHOTOPRODUCTION OF $\bar{\Lambda}^+$ ON THE NUCLEON AND DEUTERON. , 2005, , .	0	0
153	Isobar Model for Photoproduction of $K^+ \pi^- \bar{\Lambda}^0$ and $K^0 \pi^+ \bar{\Lambda}^+$ on the Proton. , 2007, , .	0	0
154	Relativistic Mean Field Models at High Densities. , 2007, , .	0	0
155	Expanding the Kaon Photoproduction Amplitude at Threshold. , 2019, , .	0	0