

Vahe Sokhoyan

List of Publications by Year in descending order

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56
papers

1,479
citations

279798

23
h-index

330143

37
g-index

57
all docs

57
docs citations

57
times ranked

1494
citing authors

#	ARTICLE	IF	CITATIONS
1	Photoproduction of ρ^0 mesons off the neutron. Physical Review Letters, 2009, 93, 111010. https://doi.org/10.1103/PhysRevLett.93.111010	2.9	111
2	Quasifree Photoproduction of ρ^0 -Mesons off the Neutron. Physical Review Letters, 2008, 100, 252002. https://doi.org/10.1103/PhysRevLett.100.252002	7.8	96
3	High statistics study of the reaction $\gamma p \rightarrow \rho^0 p$. European Physical Journal A, 2014, 50, 1. https://doi.org/10.1140/epja/i2014-14001-1	2.5	87
4	Quasi-free photoproduction of ρ^0 -mesons off the deuteron. European Physical Journal A, 2011, 47, 1. https://doi.org/10.1140/epja/i2011-14001-1	2.5	68
5	High-statistics study of the reaction $\gamma p \rightarrow \rho^0 p$. European Physical Journal A, 2015, 51, 1. https://doi.org/10.1140/epja/i2015-15001-1	2.5	63
6	Well-Established Nucleon Resonances Revisited by Double-Polarization Measurements. Physical Review Letters, 2012, 109, 102001. https://doi.org/10.1103/PhysRevLett.109.102001	7.8	62
7	First Measurement of the Helicity Asymmetry for ρ^0 Meson Photoproduction off the Neutron. Physical Review Letters, 2009, 93, 111010. https://doi.org/10.1103/PhysRevLett.93.111010	7.8	50
8	Study of ρ^0 Meson Photoproduction off the Neutron. Physical Review Letters, 2014, 112, 012003. https://doi.org/10.1103/PhysRevLett.112.012003	7.8	46
9	K^0 and K^*0 photoproduction off the proton. European Physical Journal A, 2008, 35, 333-342. https://doi.org/10.1140/epja/i2008-35333-2	2.5	43
10	Anomaly in the ρ^0 meson photoproduction cross section off the proton at the resonance region. Physical Review Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 713, 180-185. https://doi.org/10.1103/PhysRevLett.713.180	4.1	43
11	Photoproduction of meson pairs: First measurement of the polarization observable $\sigma_{\rho^0\rho^0}$. Physical Review Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 687, 11-15. https://doi.org/10.1103/PhysRevLett.687.11	4.1	38
12	Photoproduction of η' -mesons off the deuteron. European Physical Journal A, 2011, 47, 1. https://doi.org/10.1140/epja/i2011-14001-1	2.5	37
13	Measurement of ρ^0 meson photoproduction cross section off the proton at MAMI C. Physical Review C, 2015, 92, 014001. https://doi.org/10.1103/PhysRevC.92.014001	2.9	32
14	Measurement of the beam asymmetry Σ in η' production off the proton with the CBELSA/TAPS experiment. European Physical Journal A, 2008, 35, 291-293. https://doi.org/10.1140/epja/i2008-35291-2	2.5	36
15	Measurement of the ρ^0 meson photoproduction cross section off the neutron at MAMI C. Physical Review C, 2017, 95, 014001. https://doi.org/10.1103/PhysRevC.95.014001	2.9	32
16	Insight into the Narrow Structure in ρ^0 -Photoproduction on the Neutron from Helicity-Dependent Cross Sections. Physical Review Letters, 2016, 117, 132502. https://doi.org/10.1103/PhysRevLett.117.132502	7.8	31
17	Measurement of the beam asymmetry Σ in ρ^0 production off the neutron in the forward direction. Physical Review C, 2010, 81, 014001. https://doi.org/10.1103/PhysRevC.81.014001	2.9	30
18	Photoproduction of ρ^0 -mesons off nuclei for $E_\gamma \approx 2.2$ GeV. European Physical Journal A, 2008, 38, 195-207. https://doi.org/10.1140/epja/i2008-38195-2	2.5	29

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19	The polarization observables T , P , and H and their impact on π^0 photoproduction off the proton. Physical Review C, 2015, 92, 014904.	4.1	27
20	Measurement of the π^0 photoproduction off the proton. Physical Review C, 2015, 92, 014904.	7.8	26
21	Helicity Beam asymmetries in near-threshold π^0 photoproduction off the proton. Physical Review D, 2008, 78, .	4.7	25
22	Three-Body Nature of π^0 photoproduction off the proton. Physical Review Letters, 2015, 114, 091803.	7.8	25
23	Momentum dependence of the imaginary part of the ω - and η' -nucleon optical potential. European Physical Journal A, 2016, 52, 1.	2.5	24
24	Photoproduction of neutral pions off protons. Physical Review C, 2011, 84, .	2.9	23
25	Measurement of the π^0 Dalitz decay at the Mainz Microtron. Physical Review C, 2017, 95, .	2.9	23
26	Photoproduction of π^0 mesons off the proton. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 749, 407-413.	4.1	22
27	First measurement of the polarization observable E and helicity-dependent cross sections in single π^0 photoproduction from quasi-free nucleons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 770, 523-531.	4.1	20
28	Helicity-dependent cross sections and double-polarization observable E in π^0 photoproduction from quasifree protons and neutrons. Physical Review C, 2017, 95, .	2.9	20
29	Cross section for π^0 measured at the Mainz A2 experiment. Physical Review C, 2019, 100, .	2.9	18
30	Determination of the scalar polarizabilities of the proton using beam asymmetry Σ_3 in Compton scattering. European Physical Journal A, 2017, 53, 1.	2.5	17
31	Threshold π^0 photoproduction on transverse polarised protons at MAMI. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 750, 252-258.	4.1	16
32	Experimental study of the π^0 reaction with the A2 setup at the Mainz Microtron. Physical Review C, 2018, 97, .	2.9	16
33	Data on π^0 photoproduction off the proton. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 746, 127-131.	4.1	16
34	Photoproduction of η mesons from the neutron: Cross sections and double polarization observable E . European Physical Journal A, 2017, 53, 1.	4.1	15
35	Photoproduction of η mesons from the neutron: Cross sections and double polarization observable E . European Physical Journal A, 2017, 53, 1.	2.5	15
36	Experimental study of the $\gamma p \rightarrow K^+ \Lambda$, $\gamma n \rightarrow K^+ \Lambda$, and $\gamma n \rightarrow K^0 \Sigma^0$ reactions at the Mainz Microtron. European Physical Journal A, 2019, 55, 1.	2.5	15

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37	Cusp in the New Precise Beam Asymmetry Data for η photoproduction off the proton. European Physical Journal A, 2017, 53, 1.	7.8	15
38	Deuteron photodisintegration by polarized photons in the region of the $\Delta(1232)$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 789, 7-12.	4.1	14
39	Double-polarization observable G in neutral-pion photoproduction off the proton. European Physical Journal A, 2017, 53, 1.	2.5	13
40	The η' -carbon potential at low meson momenta. European Physical Journal A, 2018, 54, 1.	2.5	13
41	Measurement of double polarisation asymmetries in η' -photoproduction. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 750, 453-458.	4.1	11
42	High-statistics measurement of the η' decay at the Mainz Microtron. Physical Review C, 2018, 97, .	2.9	10
43	Measurement of polarisation observables in $K_S^0 \eta'$ -photoproduction off the proton. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 738, 268-273.	4.1	10
44	Photon asymmetry measurements of η' photoproduction off the proton for $E_\gamma = 320$ -650 MeV. European Physical Journal A, 2016, 52, 1.	2.5	10
45	First measurement of helicity-dependent cross sections in η' photoproduction from quasi-free nucleons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 786, 305-312.	4.1	9
46	Photoproduction of η' mesons off protons and neutrons in the second and third nucleon resonance regions. Physical Review C, 2018, 97, .	2.9	9
47	Measurement of the helicity asymmetry E for the reaction $\gamma p \rightarrow \eta' p$. European Physical Journal A, 2021, 57, 40.	2.5	8
48	Measurement of the decay $\eta' \rightarrow \pi^0 \pi^0$ at MAMI. Physical Review D, 2018, 98, .	4.7	7
49	Measurement of Compton Scattering at MAMI for the Extraction of the Electric and Magnetic Polarizabilities of the Proton. Physical Review Letters, 2022, 128, 132503.	7.8	7
50	A new measurement of the neutron detection efficiency for the NaI Crystal Ball detector. Journal of Instrumentation, 2015, 10, T04001-T04001.	1.2	5
51	Observation of a structure in the $M_{\pi^0 \eta}$ invariant mass distribution near 1700 MeV in the $\gamma p \rightarrow \pi^0 \eta p$ reaction. European Physical Journal A, 2021, 57, 1.	2.5	5
52	Helicity-Dependent Cross Sections for the Photoproduction of η' Pairs from Nucleons. Physical Review Letters, 2020, 125, 062001.	7.8	4
53	Measurement of the polarization observables I_s and I_c in the reaction $\eta' p \rightarrow \pi^0 \eta' p$ with the CBE. , 2012, , .		3
54	Thiel et al. Reply. Physical Review Letters, 2013, 110, 169102.	7.8	3

#	ARTICLE	IF	CITATIONS
55	N* Photoexcitation Results from Mainz. Few-Body Systems, 2018, 59, 1.	1.5	2
56	Measurement of the beam-helicity asymmetry in photoproduction of π^0 pairs on carbon, aluminum, and lead. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 802, 135243.	4.1	1