

# Atsushi Hosaka

## List of Publications by Year in descending order

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328  
papers

5,926  
citations

61977

43  
h-index

106340

65  
g-index

332  
all docs

332  
docs citations

332  
times ranked

2880  
citing authors

#	ARTICLE	IF	CITATIONS
1	Exotic hadrons with heavy flavors: $X$ , $Y$ , $Z$ , and related states. Progress of Theoretical and Experimental Physics, 2016, 2016, .	6.6	191
2	Spectrum of heavy baryons in the quark model. Physical Review D, 2015, 92, .	4.7	187
3	Emergence of a Complete Heavy-Quark Spin Symmetry Multiplet: Seven Molecular Pentaquarks in Light of the Latest LHCb Analysis. Physical Review Letters, 2019, 122, 242001.	7.8	171
4	Flavor SU(3) breaking effects in the chiral unitary model for meson-baryon scatterings. Physical Review C, 2003, 68, .	2.9	162
5	Origin of resonances in the chiral unitary approach. Physical Review C, 2008, 78, .	2.9	148
6	Chiral Symmetry of Baryons. Progress of Theoretical Physics, 2001, 106, 873-908.	2.0	134
7	G-matrix effective interaction with the paris potential. Nuclear Physics A, 1985, 444, 76-92.	1.5	123
8	Compositeness of dynamically generated states in a chiral unitary approach. Physical Review C, 2012, 85, .	2.9	107
9	Hidden gauge formalism for the radiative decays of axial-vector mesons. Physical Review D, 2009, 79, .	4.7	106
10	Enhanced Subthreshold $e^+e^- \rightarrow \mathbf{P} \mathbf{P}^* \mathbf{P}^*$ Production in Short Laser Pulses. Physical Review Letters, 2012, 108, 240406.	7.8	97
11	Bottom baryons. Physical Review D, 2008, 77, .	4.7	95
12	$P$ -wave charmed baryons from QCD sum rules. Physical Review D, 2015, 91, .	4.7	92
13	Decay properties of $P$ -wave charmed baryons from light-cone QCD sum rules. Physical Review D, 2017, 95, .	4.7	89
14	Heavy hadrons in nuclear matter. Progress in Particle and Nuclear Physics, 2017, 96, 88-153.	14.4	80
15	Chiral bag model for the nucleon. Physics Reports, 1996, 277, 65-188.	25.6	77
16	Exotic baryons from a heavy meson and a nucleon: Negative parity states. Physical Review D, 2011, 84, .	4.7	69
17	Chiral symmetry for positive and negative parity nucleons. Nuclear Physics A, 2000, 671, 471-480.	1.5	67
18	QCD sum rule calculation for $P$ -wave bottom baryons. Physical Review D, 2015, 92, .	4.7	66

#	ARTICLE	IF	CITATIONS
19	Magnetic moments of the $\Lambda(1405)$ and $\Lambda(1670)$ resonances. Physical Review C, 2002, 66, .	2.9	65
20	Pentaquark states in a chiral potential. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 571, 55-60.	4.1	64
21	Light scalar tetraquark mesons in the QCD sum rule. Physical Review D, 2007, 76, .	4.7	64
22	Structure of charmed baryons studied by pionic decays. Physical Review D, 2017, 95, .	4.7	61
23	$D$ -wave charmed and bottomed baryons from QCD sum rules. Physical Review D, 2016, 94, .	4.7	60
24	$Y$ $2175$ $T_j$ $ETQq000$ $rgBT$ /Overlock 10 Tf 50 532 Td (stretchy="false")</m	4.7	59
25	$\Lambda(1405)$ production in the $\bar{p}p \rightarrow \Lambda^0 K^+ \pi^-$ reaction. Physical Review C, 2003, 68, .	2.9	58
26	Exotic mesons with hidden bottom near thresholds. Physical Review D, 2012, 86, .	4.7	58
27	Coupling vector and pseudoscalar mesons to study baryon resonances. Physical Review D, 2011, 84, .	4.7	56
28	Heavy quark symmetry in multihadron systems. Physical Review D, 2015, 91, .	4.7	53
29	Heavy hadronic molecules with pion exchange and quark core couplings: a guide for practitioners. Journal of Physics G: Nuclear and Particle Physics, 2020, 47, 053001.	3.6	53
30	Detailed Analysis of the Chiral Unitary Model for Meson-Baryon Scattering with Flavor SU(3) Breaking Effects. Progress of Theoretical Physics, 2004, 112, 73-97.	2.0	52
31	Five-body calculation of resonance and scattering states of pentaquark system. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2006, 633, 237-244.	4.1	51
32	Hidden-charm and bottom meson-baryon molecules coupled with five-quark states. Physical Review D, 2017, 96, .	4.7	51
33	Chiral unitary approach to the $\Lambda(1405)$ , couplings for the resonance. Nuclear Physics A, 2000, 678, 187-211.	1.5	50
34	Photoproduction of $\Lambda^0$ baryon from the neutron. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 579, 43-51.	4.1	50
35	Near-Threshold $\Lambda^0$ $1520$ $T_j$ $ETQq110$ $0.784314$ $rgBT$ /Overlock 10 Tf 50 102 Td (stretchy="false")</m	7.8	48
36	Exotic mesons with double charm and bottom flavor. Physical Review D, 2012, 86, .	4.7	48

#	ARTICLE	IF	CITATIONS
37	A Method to Unambiguously Determine the Parity of the $\hat{A}^+$ Pentaquark. Progress of Theoretical Physics, 2004, 111, 291-293.	2.0	47
38	QCD sum rule study of the masses of light tetraquark scalar mesons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2007, 650, 369-372.	4.1	47
39	$\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle P \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle c \langle \text{mml:mi} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:math} \rangle$ pentaquarks with chiral tensor and quark dynamics. Physical Review D, 2020, 101, .	4.7	47
40	Chiral phase properties of finite size quark droplets in the Nambu–Jona-Lasinio model. Physical Review D, 2003, 67, .	4.7	46
41	$\hat{b}(1520, 3/2^{\hat{a}})$ -photoproduction reaction via $\hat{a}^3 N \hat{a}^+ K^*(1520)$ . Physical Review D, 2005, 71, .	4.7	45
42	Exotic tetraquark $\hat{A}^+ \hat{A}^0$ of $P=0^+$ in the QCD sum rule. Physical Review D, 2006, 74, .	4.7	45
43	Breit-Wheeler process in very short electromagnetic pulses. Physical Review A, 2013, 87, .	2.5	44
44	Quark model estimate of hidden-charm pentaquark resonances. Physical Review C, 2018, 98, .	2.9	44
45	Leading-twist pion and kaon distribution amplitudes from the QCD instanton vacuum. Physical Review D, 2006, 74, .	4.7	42
46	A new $\langle \text{mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www.elsevier.com/x" \rangle$ xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www.elsevier.com/x" \rangle	4.1	41
47	Chiral properties of baryon fields with flavor SU(3) symmetry. Physical Review D, 2008, 78, .	4.7	40
48	Vector meson-baryon dynamics and generation of resonances. Physical Review D, 2011, 83, .	4.7	40
49	Searching for possible $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{mathvariant="normal"} \rangle \hat{I} \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle c \langle \text{mml:mi} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:math} \rangle$ -like molecular states from meson-baryon interaction. Physical Review D, 2018, 97, .	4.7	40
50	$IGJPC=1\hat{a}^+ 1\hat{a}^+$ +tetraquark states. Physical Review D, 2008, 78, .	4.7	39
51	Stable double-heavy tetraquarks: Spectrum and structure. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 814, 136095.	4.1	39
52	Decays of $12\hat{a}^+$ baryons in chiral effective theory. Physical Review D, 1998, 57, 4124-4135.	4.7	38
53	Study of exotic hadrons in S-wave scatterings induced by chiral interaction in the flavor symmetric limit. Physical Review D, 2007, 75, .	4.7	38
54	Scalar, axial-vector, and tensor resonances from the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mi} \rangle \hat{I} \langle \text{mml:mi} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle D \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle * \langle \text{mml:mo} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:math} \rangle, \langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mi} \rangle \hat{I} \langle \text{mml:mi} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle D \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle * \langle \text{mml:mo} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:math} \rangle$ interactions in the hidden gauge formalism. Physical Review D, 2009, 80, .	4.7	37

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55	Pion-induced reactions for charmed baryons. Progress of Theoretical and Experimental Physics, 2014, 2014, 103D01-103D01. $\langle \text{D} \rangle$ -wave heavy baryons of the $\langle \text{S} \rangle \langle \text{U} \rangle$ flavor composite and elementary natures of $\langle \text{a} \rangle$ .	6.6	35
56	Composite and elementary natures of $\langle \text{a} \rangle$ .	4.7	34
57	Composite and elementary natures of $\langle \text{a} \rangle$ .	4.7	33
58	Exotic baryons from a heavy meson and a nucleon: Positive parity states. Physical Review D, 2012, 85, .	4.7	33
59	Determining the $\hat{\pi}^+$ quantum numbers through the $K^+\hat{\pi}^+\hat{\pi}^+K+n$ reaction. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 579, 290-298.	4.1	32
60	Prediction of triple-charm molecular pentaquarks. Physical Review D, 2017, 96, .	4.7	32
61	Identifying the $\hat{\Sigma}_b(6227)$ and $\hat{\Sigma}_b(6097)$ as P -wave bottom baryons of $JP=3/2^+$ . Physical Review D, 2019, 99, .	4.7	32
62	Chiral Sigma Model with Pion Mean Field in Finite Nuclei. Progress of Theoretical Physics, 2004, 111, 75-92.	2.0	31
63	$\hat{\pi}$ photoproduction with coupled-channel effects. Progress of Theoretical and Experimental Physics, 2014, 2014, 23D03-0.	6.6	31
64	Heavy molecules and one- $\langle \hat{\pi} \rangle$ -exchange model. Physical Review D, 2017, 96, .	4.7	29
65	Coupled-channel analysis for $\hat{\pi}$ photoproduction with $\hat{\Sigma}(1520)$ . Physical Review C, 2009, 80, .	2.9	28
66	Skyrmions and their interactions using the Atiyah-Manton construction. Nuclear Physics A, 1991, 530, 507-531.	1.5	27
67	Exotic Hadrons ins-Wave Chiral Dynamics. Physical Review Letters, 2006, 97, 192002.	7.8	27
68	Measurement of the $\hat{\pi}^+\hat{\pi}^+\hat{\pi}^+K^+\hat{\pi}$ reaction at backward angles. Physical Review C, 2007, 76, . Thermal properties and evolution of the $\langle \text{U} \rangle \langle \text{A} \rangle$ state.	2.9	27
69	Thermal properties and evolution of the $\langle \text{U} \rangle \langle \text{A} \rangle$ state.	4.7	26
70	Thermal properties and evolution of the $\langle \text{U} \rangle \langle \text{A} \rangle$ state.	4.7	26
71	Regge behaviors in orbitally excited spectroscopy of charmed and bottom baryons. Physical Review D, 2020, 101, .	4.7	26
72	Suppression of $\hat{\pi}^+\hat{\pi}^+\hat{\pi}^+K^+\hat{\pi}$ Coupling and Chiral Symmetry. Physical Review Letters, 1998, 80, 448-451.	7.8	25

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73	Fields with $U_L$ and $U_R$ mesons in understanding $\Lambda(1405)$ . Physical Review D, 2018, 97, . Role of vector and pseudoscalar mesons in understanding $\Lambda(1405)$ . Physical Review D, 2018, 97, .	4.7	25
74	Decays and productions via bottomonium for $B_c$ resonances and other $B_c$ resonances. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 727, 185-189.	4.7	25
75	Exotic triple-charm deuteronlike hexaquarks. Physical Review D, 2018, 97, . Theoretical support for the $\Xi_{cc}$ pentaquark states predicted by a quark model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 798, 135028.	4.7	25
76	Spin degeneracy in multi-hadron systems with a heavy quark. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 727, 185-189.	4.7	24
77	Determination of the carrier envelope phase for short, circularly polarized laser pulses. Physical Review D, 2016, 93, .	4.1	24
78	Decays and productions via bottomonium for $B_c$ resonances and other $B_c$ resonances. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 727, 185-189.	4.7	23
79	Decay properties of P-wave bottom baryons within light-cone sum rules. European Physical Journal C, 2020, 80, 1.	3.9	23
80	Photoproduction of $K^*_0(1405)$ for the study of $\Lambda(1405)$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 593, 75-81.	4.1	22
81	Coupling of $K^*_0(1405)$ to the $\Lambda(1520)$ . Physical Review C, 2006, 73, .	2.9	22
82	Skyrmions and the nuclear force. Physical Review Letters, 1992, 68, 3849-3852.	7.8	21
83	Quantum loops in radiative decays of the $\Lambda(1405)$ and $\Lambda(1520)$ resonances. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 727, 185-189.	4.1	21
84	Charged $K^*$ photoproduction in a Regge model. Physical Review C, 2010, 81, .	2.9	21
85	Negative parity $\Lambda(1405)$ and $\Lambda(1520)$ resonances coupled to pseudoscalar and vector mesons. Physical Review D, 2012, 85, .	4.7	21
86	Exotic dibaryons with a heavy antiquark. Nuclear Physics A, 2014, 927, 110-118.	1.5	20
87	Compact $\Lambda(1405)$ pentaquark states predicted by a quark model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 798, 135028.	4.1	20
88	Chiral bag plus skyrmion hybrid model for nucleons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1986, 167, 153-156.	4.1	19
89	$\Lambda(1405)$ production at high energy. Physical Review C, 2004, 70, .	2.9	19

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91	Decay of $\tilde{\chi}^+$ in a quark model. Physical Review D, 2005, 71, .	4.7	19
92	Heavy pentaquark states P(4380) and P(4450) in the $J/\psi$ production induced by pion beams off the nucleon. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 763, 358-364.	4.1	19
93	Quantum processes in short and intensive electromagnetic fields. Physics of Particles and Nuclei, 2016, 47, 456-487.	0.7	19
94	Relativistic corrections to decays of heavy baryons in the quark model. Physical Review D, 2021, 103, .	4.7	19
95	Meson properties at finite density in an extended Nambu-Jona-Lasinio model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 244, 363-367.	4.1	18
96	Chiral bag with vector mesons. Nuclear Physics A, 1990, 506, 501-531.	1.5	18
97	Baryon fields with $U(1) \times SU(3)$ symmetry. Physical Review D, 2013, 87, .	4.7	18
98	Hadronic molecules for charmed and bottom baryons near thresholds. Physical Review D, 2013, 87, .	4.7	18
99	Effects of $N(2000)5/2^+$ , $N(2060)5/2^+$ , $N(2120)3/2^+$ , and $N(2190)7/2^+$ on $K^* \Lambda$ photoproduction. Physical Review D, 2014, 90, .	4.7	18
100	Production of strange and charmed baryons in pion induced reactions. Physical Review D, 2015, 92, .	4.7	18
101	Chiral properties of baryon interpolating fields. European Physical Journal C, 2008, 57, 557-567.	3.9	17
102	CHIRAL PROPERTIES OF BARYON INTERPOLATING FIELDS. Modern Physics Letters A, 2008, 23, 2381-2384.	1.2	17
103	Baryon fields with $U(1) \times SU(3)$ symmetry. Physical Review D, 2013, 87, .	4.7	17
104	Doubly heavy tetraquark resonant states. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 824, 136800.	4.1	17
105	Quark droplets with chiral symmetry in the Nambu-Jona-Lasinio model. Physical Review D, 2006, 74, .	4.7	16
106	Suppression of $\chi$ production in heavy ion collisions. Physical Review D, 2001, 64, 054004.	4.1	16
107	Light scalar meson $f_0(1370)$ in the Nambu-Jona-Lasinio model. Physical Review D, 2001, 64, 054004.	4.7	16
108	$K^* \Lambda$ photoproduction off the proton target with baryon resonances. Physical Review D, 2013, 88, .	4.7	16



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109	Decays of $Z_b$ via triangle diagrams in heavy meson molecules. <i>Physical Review D</i> , 2014, 89, .	4.7	16
110	Elementarity of composite systems. <i>Physical Review C</i> , 2014, 90, .	2.9	15
111	Baryon fields with $U(1) \times SU(3) \times SU(3)$ symmetry. V. Pion-nucleon and kaon-nucleon. <i>Physical Review C</i> , 2016, 93, .	2.9	15
112	Roper-like resonances with various flavor contents and their two-pion emission decays. <i>Physical Review D</i> , 2020, 101, .	4.7	15
113	Two skyrmion interaction for the Atiyah-Manton ansatz. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990, 251, 1-5.	4.7	15
114	Two skyrmion interaction for the Atiyah-Manton ansatz. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990, 251, 1-5.	4.1	14
115	Nucleons as Skyrmions. <i>Annual Review of Nuclear and Particle Science</i> , 1992, 42, 333-365.	10.2	14
116	Systematics of the SU(3) Baryon Spectra and Deformed Oscillator Quark Model. <i>Progress of Theoretical Physics</i> , 1999, 101, 1271-1283.	2.0	14
117	Test of the reaction mechanism for $\hat{N}^*(1520)$ using the polarized photon. <i>Physical Review D</i> , 2007, 75, .	4.7	14
118	G-matrix elements with effective masses for mesons and nucleons. <i>Nuclear Physics A</i> , 1991, 529, 429-444.	1.5	13
119	$\hat{N}$ -meson photoproduction and $N^*$ resonances. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2009, 36, 015008.	3.6	13
120	Mesonic and nucleon fluctuation effects at finite baryon density. <i>Physical Review D</i> , 2017, 95, .	4.7	13
121	Three-Body Decay of $\hat{N}^*$ . <i>Physical Review D</i> , 2017, 95, .	4.7	13
122	Axial anomaly and hadronic properties in a nuclear medium. <i>Physical Review D</i> , 2018, 98, .	4.7	13
123	Excited $\Omega_b$ baryons and fine structure of strong interaction. <i>European Physical Journal C</i> , 2020, 80, 1.	3.9	13
124	Laser pulse-shape dependence of Compton scattering. <i>European Physical Journal D</i> , 2014, 68, 1.	1.3	12
125	Strategies for an accurate determination of the X(3872) energy from QCD lattice simulations. <i>Physical Review D</i> , 2014, 89, .	4.7	12
126	Path-integral hadronization for the nucleon and its interactions. <i>Physical Review C</i> , 2002, 66, .	2.9	11



#	ARTICLE	IF	CITATIONS
127	Magnetic interaction induced by the anomaly in kaon-photoproductions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 665, 178-181.	4.1	11
128	NUCLEON AXIAL COUPLINGS AND $[(\hat{A}^{1/2}, 0) \hat{a} \cdot (0, \hat{A}^{1/2})] - [(1, \hat{A}^{1/2}) \hat{a} \cdot (\hat{A}^{1/2}, 1)]$ CHIRAL MULTIPLY MIXING. Modern Physics Letters A, 2010, 25, 233-242. <a href="http://www.w3.org/1998/Math/MathML">http://www.w3.org/1998/Math/MathML</a>	1.2	11
129	$\int_{-1}^1 dx \int_{-1}^1 dy \int_{-1}^1 dz \int_{-1}^1 dw \int_{-1}^1 dv \int_{-1}^1 dx' \int_{-1}^1 dy' \int_{-1}^1 dz' \int_{-1}^1 dw' \int_{-1}^1 dv'$		



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145	Phenomenological study of two-meson couplings of $\tilde{\Sigma}^+$ . Physical Review C, 2005, 72, .	2.9	8
146	Couplings of the $\tilde{\Sigma}^+(1232)$ and Its Chiral Partners. Physical Review Letters, 2008, 101, 092001.	7.8	8
147	Extended relativistic chiral mean field model for nuclear matter. Physical Review C, 2009, 79, .	2.9	8
148	$K \rightarrow \pi \pi$ production	4.7	8
149	Kaon-Nucleon systems and their interactions in the Skyrme model. Physical Review D, 2016, 94, .	4.7	8
150	Differential cross section and photon-beam asymmetry for the $\tilde{\Sigma}^+ \rightarrow \pi^+ n$ reaction at forward $\tilde{\Sigma}^+$ angles at $E_{\tilde{\Sigma}^+} = 1.5 - 2.95$ GeV. Physical Review C, 2018, 97, .	2.9	8
151	Search of QCD phase transition points in the canonical approach of the NJL model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 795, 548-553.	4.1	8
152	Model independent analysis of coupled-channel scattering: A deep learning approach. Physical Review D, 2021, 104, .	4.7	8
153	Novel pentaquark picture for singly heavy baryons from chiral symmetry. Physical Review D, 2021, 104, .	4.7	8
154	$\tilde{\Sigma}^+(1405, 1/2^-)$ Photoproduction from the $\tilde{\Sigma}^+ K^+ \tilde{\Sigma}^+(1405)$ Reaction. Journal of the Korean Physical Society, 2011, 59, 2676-2683.	0.7	8
155	Spin and Isospin Projection in the Chiral Bag plus Skyrmion Hybrid Model. Progress of Theoretical Physics, 1987, 78, 857-877.	2.0	7
156	expansion in the chiral soliton model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1988, 207, 249-252.	4.1	7
157	Spin content of the nucleon in the chiral bag. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1989, 232, 442-446.	4.1	7
158	The $\tilde{\Sigma}^+ NN$ coupling in the Skyrme model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 293, 23-26.	4.1	7
159	Mass dependence of $M3Y$ -type interactions and the effects of tensor correlations. Physical Review C, 2002, 66, .	2.9	7
160	Decay of vector-vector resonances into $\tilde{\Sigma}^+$ and a pseudoscalar meson. Physical Review D, 2011, 83, .	4.7	7
161	Neutrino pair emission off electrons in a strong electromagnetic wave field. Physical Review D, 2011, 83, .	4.7	7
162	$N^*$ 's AND $\tilde{\Sigma}^*$ 's GENERATED IN VECTOR, PSEUDOSCALAR MESON-BARYON SYSTEMS. International Journal of Modern Physics Conference Series, 2014, 26, 1460060.	0.7	7

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163	Mass formula for light nonstrange mesons and Regge trajectories in quark model. International Journal of Modern Physics A, 2017, 32, 1750153.	1.5	7
164	Classifying Near-Threshold Enhancement Using Deep Neural Network. Few-Body Systems, 2021, 62, 1.	1.5	7
165	Chapter VII. Chiral Bag Model. Progress of Theoretical Physics Supplement, 1992, 109, 137-159.	0.1	6
166	Negative parity baryons in the QCD sum rule. Nuclear Physics A, 1998, 629, 156-159.	1.5	6
167	BARYON SPECTRA IN DEFORMED OSCILLATOR QUARK MODEL. Modern Physics Letters A, 1998, 13, 1699-1707.	1.2	6
168	Electromagnetic transitions of excited baryons in a deformed oscillator quark model. Nuclear Physics A, 2000, 678, 147-174.	1.5	6
169	Two nucleon states in a chiral quark-diquark model. Journal of Physics G: Nuclear and Particle Physics, 2006, 32, 777-786.	3.6	6
170	Composite and elementary nature of a resonance in the $\rho$ model. Physical Review C, 2013, 88, .	2.9	6
171	Use of the canonical approach in effective models of QCD. Physical Review D, 2020, 102, .	4.7	6
172	Decays of Roper-like singly heavy baryons in a chiral model. Physical Review D, 2022, 105, .	4.7	6
173	On the Central-Odd Components in the G-Matrix Interactions and the Low Energy (p, p') and (p, n) Reactions. Progress of Theoretical Physics, 1985, 73, 1165-1171.	2.0	5
174	On the Axial Coupling $g_A$ at Large Bag Radius in the Chiral Bag plus Skyrmion Hybrid Model for Nucleons. Progress of Theoretical Physics, 1986, 76, 315-317.	2.0	5
175	Omega stabilized chiral bag model with a surface $\pi$ qq coupling. Nuclear Physics A, 1992, 546, 493-508.	1.5	5
176	Higher order corrections to spin-isospin quantities in the chiral bag model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 343, 1-6.	4.1	5
177	Chiral Symmetry Aspects of Positive and Negative Parity Baryons. Progress of Theoretical Physics Supplement, 2003, 149, 203-214.	0.1	5
178	Production of the pentaquark $\hat{\Gamma}^+$ in np scattering. Physical Review D, 2004, 70, .	4.7	5
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