

Kazuo Tsushima

List of Publications by Year in descending order

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159
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docs citations

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3225
citing authors

#	ARTICLE		IF	CITATIONS
1	STUDIES OF NUCLEON RESONANCE STRUCTURE IN EXCLUSIVE MESON ELECTROPRODUCTION. International Journal of Modern Physics E, 2013, 22, 1330015.	1.0	193	
2	Nucleon and hadron structure changes in the nuclear medium and the impact on observables. Progress in Particle and Nuclear Physics, 2007, 58, 1-167.	14.4	192	
3	Variation of hadron masses in finite nuclei. Physical Review C, 1997, 55, 2637-2648.	2.9	140	
4	Charmed mesic nuclei: BoundDandD̄ states with ²⁰⁸ Pb. Physical Review C, 1999, 59, 2824-2828.	2.9	138	
5	Self-consistent description of finite nuclei based on a relativistic quark model. Nuclear Physics A, 1996, 609, 339-363.	1.5	136	
6	Resonance model study of kaon production in baryon-baryon reactions for heavy-ion collisions. Physical Review C, 1999, 59, 369-387.	2.9	126	
7	The quark-meson coupling model for $\bar{\Lambda}$, $\bar{\Xi}$ and $\bar{\Omega}$ hypernuclei. Nuclear Physics A, 1998, 630, 691-718.	1.5	115	
8	Baryon masses from lattice QCD: Beyond the perturbative chiral regime. Physical Review D, 2000, 61, .	4.7	107	
9	On studying charm in nuclei through antiproton annihilation. European Physical Journal A, 1999, 6, 351-359.	2.5	104	
10	The role of the $\bar{\Lambda}''$ (1920) resonance for kaon production in heavy ion collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 337, 245-253.	4.1	90	
11	Are $\bar{\Lambda}$ - and $\bar{\Xi}$ -nuclear states bound ?. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 443, 26-32.	4.1	87	
12	In-medium electron-nucleon scattering. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 417, 217-223.	4.1	80	
13	Electromagnetic form factors of the bound nucleon. Physical Review C, 1999, 60, .	2.9	78	
14	In-medium kaon and antikaon properties in the quark-meson coupling model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 429, 239-246.	4.1	75	
15	Chiral behavior of the rho meson in lattice QCD. Physical Review D, 2001, 64, .	4.7	69	
16	The axial exchange charge operator and the nucleon-nucleon interaction. Nuclear Physics A, 1992, 542, 616-630.	1.5	58	
17	Charmonium absorption by nucleons. Physical Review C, 2001, 63, .	2.9	58	
18	Nuclear-bound quarkonia and heavy-flavor hadrons. Progress in Particle and Nuclear Physics, 2018, 100, 161-210.	14.4	58	

#	ARTICLE	IF	CITATIONS
19	Relativistic quark model for the electromagnetic form factors. Physical Review D, 2009, 80, .	56	
20	Conversion of Lactones into Substituted Cyclic Ethers. Chemistry Letters, 1989, 18, 1313-1316.	1.3	55
21	$\bar{f}f$ and $\bar{\pi}\pi$ meson propagation in a dense nuclear medium. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 433, 243-249.	4.1	53
22	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="s11.gif" overflow="scroll"><mml:mi>J</mml:mi><mml:mo>̄</mml:mo><mml:mi>f</mml:mi><mml:math> mass shift in nuclear matter. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 697, 136-141.	4.1	53
23	Resonance model of pi Delta to YK for kaon production in heavy-ion collisions. Journal of Physics G: Nuclear and Particle Physics, 1995, 21, 33-42.	3.6	52
24	Self-consistent description of \bar{b} hypernuclei in the quark-meson coupling model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 411, 9-18.	4.1	52
25	Properties of charmed and bottom hadrons in nuclear matter: a plausible study. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 552, 138-144.	4.1	52
26	Novel features of J/ψ dissociation in matter. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 484, 23-29.	4.1	48
27	$\bar{b}c$ and $\bar{b}b$ hypernuclei. Physical Review C, 2003, 67, .	2.9	48
28	Valence quark contributions for the $\bar{N}^3\bar{N}^1P_1(1440)$ form factors. Physical Review D, 2010, 81, .	4.7	48
29	Octet baryon electromagnetic form factors in nuclear medium. Journal of Physics G: Nuclear and Particle Physics, 2013, 40, 015102.	3.6	48
30	Quark-meson coupling model, nuclear matter constraints, and neutron star properties. Physical Review C, 2014, 89, .	2.9	48
31	$\bar{\Lambda}$ -meson mass in light nuclei. Physical Review C, 1997, 56, 566-569.	2.9	47
32	Study of meson properties and quark condensates in the Nambu-Jona-Lasinio model with instanton effects. Nuclear Physics A, 1990, 507, 611-648.	1.5	46
33	$\bar{b}+c$, $\bar{\Lambda}c$, $\bar{\Sigma}c$ and $\bar{b}b$ hypernuclei in the quark-meson coupling model. Journal of Physics G: Nuclear and Particle Physics, 2004, 30, 1765-1786.	3.6	44
34	Resonance model study of strangeness production in pp collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 390, 29-35.	4.1	43
35	Medium dependence of the bag constant in the quark-meson coupling model. Nuclear Physics A, 1998, 634, 443-462.	1.5	41
36	Dynamical study of $Q\bar{Q}$ -mesons. Physical Review D, 2006, 74, .	4.7	41

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37	J/ \bar{J} -nuclear bound states. Physical Review C, 2011, 83, .	2.9	41
38	Dynamics of laser-ablated iron in nitrogen atmosphere. Applied Physics Letters, 1994, 64, 3340-3342.	3.3	39
39	Fock terms in the quark-meson coupling model. Nuclear Physics A, 1999, 650, 313-325.	1.5	39
40	Model for the π^+ -nucleus interaction. Nuclear Physics A, 1999, 650, 313-325. display="block">\text{stretchy="false"}>(</mml:mo><mml:mn>1600</mml:mn><mml:mo>\times</mml:mo><mml:mi>N</mml:mi><mml:mo>\times</mml:mo><mml:mi>T_j</mml:mi><mml:mo>\times</mml:mo><mml:mi>E_T Q_0</mml:mi><mml:mo>\times</mml:mo><mml:mi>0.0</mml:mi><mml:mo>\times</mml:mo><mml:mi>r g B T</mml:mi><mml:mo>\times</mml:mo><mml:mi>10</mml:mi><mml:mo>\times</mml:mo><mml:mi>T_f</mml:mi><mml:mo>\times</mml:mo><mml:mi>50</mml:mi><mml:mo>\times</mml:mo><mml:mi>622</mml:mi><mml:mo>\times</mml:mo><mml:mi>T_d</mml:mi><mml:mo>\times</mml:mo><mml:mi>4.7</mml:mi><mml:mo>\times</mml:mo><mml:mi>39</mml:mi>	4.7	39
41	Octet baryon electromagnetic form factors in a relativistic quark model. Physical Review D, 2011, 84, .	4.7	38
42	Octet to decuplet electromagnetic transition in a relativistic quark model. Physical Review D, 2013, 87, .	4.7	35
43	Weak interaction form factors and magnetic moments of octet baryons: Chiral bag model with gluonic effects. Nuclear Physics A, 1988, 489, 557-611.	1.5	33
44	Near-threshold π^+ and η' meson productions in ppcollisions. Physical Review C, 2003, 68, .	2.9	31
45	Determination of the Λ^+ parity from $\bar{n} + K \rightarrow n + \Lambda^+$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 583, 269-277.	4.1	31
46	Naturalness in the quark-meson coupling model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 406, 287-291.	4.1	30
47	Using baryon octet magnetic moments and masses to fix the pion cloud contribution. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 690, 183-188. Valence quark and meson cloud contributions for the π^+ -nucleus interaction. Nuclear Physics A, 2012, 903, 29-47.	4.1	30
48	The electromagnetic exchange current, the nucleon-nucleon interaction, and nuclear magnetic moments. Nuclear Physics A, 1993, 559, 543-578.	1.5	27
50	π^+ -nucleus bound states in the Walecka model. Physical Review C, 1999, 59, 1203-1206.	2.9	27
51	The role of the P11(1710) in the NN $\rightarrow \pi^+ \pi^-$ reaction. Nuclear Physics A, 1999, 646, 427-443.	1.5	27
52	Strangeness production from $\pi^+ N$ collisions in nuclear matter. Physical Review C, 2000, 62, .	2.9	27
53	Systematic Regge theory analysis of π^+ -photoproduction. Physical Review C, 2003, 67, .	2.9	27
54	What is the role of the meson cloud in the π^+ -nucleus interaction? Nuclear Physics A, 2013, 903, 29-47. The electromagnetic exchange current, the nucleon-nucleon interaction, and nuclear magnetic moments. Nuclear Physics A, 2013, 903, 29-47.	4.7	27

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55	On the search for a narrow penta-quark Z+-baryon in NN interactions. European Physical Journal A, 2000, 9, 115-118.	2.5	26
56	Simple relation between the $\bar{N}^3\bar{N}$ (1535) helicity amplitudes. Physical Review D, 2011, 84, .	4.7	26
57	Pion structure in the nuclear medium. Physical Review C, 2014, 90, .	2.9	26
58	Effect of nucleon structure variation on the longitudinal response function. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 465, 27-35.	4.1	25
59	Quark- $\bar{\ell}$ meson coupling model with the cloudy bag. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 666, 239-244.	4.1	24
60	The neutron charge form factor in helium-3. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 441, 27-33.	4.1	22
61	Covariant spectator quark model description of the $\bar{N}^3\bar{N}$ transition. Physical Review D, 2012, 86, .	4.7	22
62	Axial form factors of the octet baryons in a covariant quark model. Physical Review D, 2016, 94, .	4.7	22
63	\bar{N} meson mass and decay width in nuclear matter and nuclei. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 771, 113-118.	4.1	22
64	The axial current and the nucleon-nucleon interaction. Nuclear Physics A, 1992, 549, 313-326.	1.5	21
65	A clue to the mechanism of \bar{K}^+ production in pp-reactions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 421, 59-63.	4.1	21
66	Faddeev-chiral unitary approach to the $\bar{N}^3\bar{N}$ length. Physical Review C, 2013, 87, .	4.1	21
67	Chiral phase transition and dynamical properties of quarks at finite temperature and density. Nuclear Physics A, 1992, 537, 303-326.	1.5	20
68	Effect of the bound nucleon form factors on charged-current neutrino-nucleus scattering. Physical Review C, 2004, 70, .	2.9	19
69	Study of Meson Flavor Mixing in the Nambu-Jona-Lasinio Model Including Instanton Effects. Progress of Theoretical Physics, 1989, 82, 481-486.	2.0	18
70	$\bar{N}^3\bar{N}$ Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 132 Td (stretchy="false") Physical Review D, 2014, 89, .	4.7	18
71	A Study of the pB → Y K Reactions for Kaon Production in Heavy Ion Collisions. Australian Journal of Physics, 1997, 50, 35.	0.6	18
72	Temperature and density dependence of quark dynamical properties:. Nuclear Physics A, 1991, 535, 497-508.	1.5	17

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73	Spin dependent parton distributions in a bound nucleon. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 447, 233-239.		4.1	17
74	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi mathvariant="normal">Î†</mml:mi></mml:math> -mesonâ€“nucleus bound states. Physical Review C, 2017, 96, .		2.9	17
75	Hyperon electromagnetic timelike elastic form factors at large <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mi>q</mml:mi><mml:mn>2</mml:mn></mml:msup></mml:math>. Physical Review D, 2020, 101, .		4.7	17
76	The dâ€“dibaryon in the nonrelativistic quark model. Progress in Particle and Nuclear Physics, 1996, 36, 383-394.		14.4	16
77	Equation of State of Dense Matter and Consequences for Neutron Stars. EPJ Web of Conferences, 2013, 63, 03004.		0.3	16
78	Coulomb breakup of ^{37}Mg and its ground state structure. Nuclear Physics A, 2015, 939, 101-120.		1.5	16
79	Production of \bar{c} +hypernuclei in antiprotonâ€“nucleus collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 770, 236-241.		4.1	16
80	Kaon condensation and lambdaâ€“nucleon loop in the relativistic mean-field approach. Nuclear Physics A, 2005, 760, 319-345.		1.5	15
81	Photoproduction of hypernuclei within the quarkâ€“meson coupling model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 676, 51-56.		4.1	15
82	QUARK AND GLUON CONDENSATES IN THE QUARKâ€“MESON COUPLING MODEL. Modern Physics Letters A, 1998, 13, 769-777.		1.2	14
83	Production of cascade hypernuclei via the () reaction within a quarkâ€“meson coupling model. Nuclear Physics A, 2012, 881, 255-268.		1.5	14
84	Asymmetry in the neutrino and anti-neutrino reactions in a nuclear medium. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 723, 464-469.		4.1	14
85	Octet Spin Fractions and the Proton Spin Problem. Physical Review Letters, 2013, 110, 202001.		7.8	14
86	Chiral-bag model study of weak-interaction form factors and magnetic moments of octet baryons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1988, 205, 128-134.		4.1	13
87	Charge symmetry breaking in mirror nuclei from quarks. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 465, 36-42. A QCD sum rule study of <mml:math altimg="s11.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:mm="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		4.1	13
88	Medium modifications of the bound nucleon GPDs and incoherent DVCS on nuclear targets. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 673, 9-14.		4.1	13
89	Effects of the density-dependent weak form factors on the neutrino reaction via neutral current for the nucleon in nuclear matter and ^{12}C . Physical Review C, 2013, 87, .		2.9	13

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91	Unified description of classical and quantum behaviours in a variational principle. <i>Journal of Physics: Conference Series</i> , 2015, 626, 012055.	0.4	12
92	Weak-current form factors of octet baryons in the volume-type cloudy bag model. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1987, 186, 255-262.	4.1	11
93	Experimental Dispersions of Conduction Bands in Bi ₂ CaSr ₂ Cu ₂ O ₈ . <i>Europhysics Letters</i> , 1990, 13, 537-542.	2.0	11
94	Kaon properties and cross sections in the nuclear medium. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2001, 27, 349-354.	3.6	11
95	Local duality and charge symmetry violation in quark distributions. <i>Physical Review D</i> , 2004, 70, .	4.7	11
96	Parton distribution in pseudoscalar mesons with a light-front constituent quark model. <i>AIP Conference Proceedings</i> , 2016, , .	0.4	11
97	Hadronic molecules with a D̄ meson in a medium. <i>Physical Review D</i> , 2016, 94, .	4.7	11
98	Electroweak properties of pions in a nuclear medium. <i>Physical Review C</i> , 2019, 99, .	2.9	10
99	Effect of changes in meson properties in a nuclear medium: J/ψ dissociation in nuclear matter, and meson-nucleus bound states. <i>Nuclear Physics A</i> , 2001, 680, 280-285.	1.5	9
100	Structure and Coulomb dissociation of ²³ O within the quark-“meson coupling model. <i>Nuclear Physics A</i> , 2013, 913, 116-126.	1.5	9
101	Variations of nuclear binding with quark masses. <i>Physical Review C</i> , 2013, 87, .	2.9	9
102	<math display="block"><math display="block">\langle mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="block" style="display:inline"><mml:mover accent="true"><mml:mi>D</mml:mi><mml:mo></mml:mo><mml:mi>D</mml:mi></mml:mover><mml:math> meson pair production in antiproton-nucleus collisions. <i>Physical Review D</i> , 2016, 94, .	4.7	9
103	Impact of medium modifications of the nucleon weak and electromagnetic form factors on the neutrino mean free path in dense matter. <i>Physical Review D</i> , 2018, 98, .	4.7	9
104	Explicit form of the effective N-N potential from the quark cluster model. <i>Few-Body Systems</i> , 1992, 12, 69-112.	1.5	8
105	Effect of hydrostatic and uniaxial stress on Tc for single crystals of Bi ₂ Sr ₂ CaCu ₂ O _x . <i>Physica C: Superconductivity and Its Applications</i> , 1994, 235-240, 1309-1310.	1.2	8
106	Spectral change of f and ρ mesons in a dense nuclear medium. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999, 460, 17-23.	4.1	8
107	An efficient synthesis of (pyrrolidin-2-ylidene)glycinate using intramolecular 1, 3-dipolar cycloaddition of azide and olefin. <i>Tetrahedron</i> , 1999, 55, 12723-12740.	1.9	8
108	Deep inelastic scattering on asymmetric nuclei. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000, 493, 288-292.	4.1	8

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127	Quark-hadron duality and the nuclear EMC effect. European Physical Journal A, 2002, 14, 105-112.	2.5	4
128	Effect of bound nucleon internal structure change on nuclear structure functions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2005, 612, 5-12.	4.1	4
129	Binding energies and modelling of nuclei in semiclassical simulations. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 660, 600-603.	4.1	4
130	Medium modifications of the bound nucleon generalized parton distributions and the quark contribution to the spin sum rule. Physical Review C, 2009, 79, .	2.9	4
131	Hypernuclei in the quark-meson coupling model. , 2010, , .		4
132	Valence quark contributions for the $\bar{N}^3\bar{P}_{11}(1440)$ transition. , 2011, , .		4
133	Production of \bar{K} -Hypernuclei via the (K^- , K^+) Reaction in a Quark-Meson Coupling Model. Few-Body Systems, 2013, 54, 1271-1274.	1.5	4
134	<math>\langle mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>mathvariant="normal"</mml:mi></mml:math> and <math>\langle mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>1</mml:mi><mml:mi>b</mml:mi></mml:msub></mml:math></math> nuclear bound states. Physical Review C, 2022, 105, .	2.9	4
135	Magnetic Properties of Compositionally Modulated Fe/SiO ₂ Films. Japanese Journal of Applied Physics, 1987, 26, L258-L260.	1.5	3
136	The f -axial exchange current. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 333, 17-21.	4.1	3
137	Nonsinglet structure function of the ${}^3He\gamma {}^3H$ system and divergence of the Gottfried integral. Physical Review D, 2001, 64, .	4.7	3
138	Hadron mass extraction from lattice QCD. Nuclear Physics, Section B, Proceedings Supplements, 2002, 109, 50-54.	0.4	3
139	In-Medium K^+ Electromagnetic Form Factor with a Symmetric Vertex in a Light Front Approach. Few-Body Systems, 2018, 59, 1.	1.5	3
140	A COVARIANT FORMALISM FOR THE N^* ELECTROPRODUCTION AT HIGH MOMENTUM TRANSFER. , 2011, , .		3
141	Exploring the flavor content of light and heavy-light pseudoscalars. Physical Review D, 2021, 104, .	4.7	3
142	Delta excitation in antiproton-deuteron annihilation. Zeitschrift für Physik A, 1996, 354, 215-218.	0.9	2
143	Chiral corrections to baryon masses calculated within lattice QCD. Nuclear Physics A, 2000, 663-664, 973c-976c.	1.5	2
144	Two-scale scalar mesons in nuclei. European Physical Journal A, 2005, 26, 159-165.	2.5	2

