

F Krmpotic

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	On the energetics of the Gamow-Teller resonances. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1982, 114, 217-221.	4.1	67
2	Semimicroscopic description of even Cd spectra. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1967, 24, 537-539.	4.1	39
3	Charge-exchange collective modes and beta decay processes in the lead region. Nuclear Physics A, 1980, 342, 497-527.	1.5	39
4	Reconstruction of isospin and spin-isospin symmetries and double beta decay. Physical Review C, 1990, 41, 792-795.	2.9	36
5	Suppression of Core Polarization in Halo Nuclei. Physical Review Letters, 1997, 78, 2708-2711.	7.8	36
6	Giant first-forbidden resonances. Nuclear Physics A, 1983, 399, 478-502.	1.5	31
7	Neutrino and antineutrino charge-exchange reactions on C . Physical Review C, 2011, 83,	2.9	30
8	Self-consistent random phase approximation within the O(5) model and Fermi transitions. Nuclear Physics A, 1998, 637, 295-324.	1.5	29
9	Double-beta decay in pn-QRPA model with isospin and SU(4) symmetry constraints. Nuclear Physics A, 1994, 572, 329-348.	1.5	28
10	Neutrino-nucleus reactions and muon capture in ^{12}C . Physical Review C, 2005, 71, .	2.9	28
11	Nuclear moments for the neutrinoless double beta decay II. Nuclear Physics A, 1999, 650, 485-497.	1.5	27
12	Projected linear response theory for charge-exchange excitations and double beta decay. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 319, 393-400.	4.1	25
13	Ikeda sum rule, self-consistency and double-beta decay in the renormalized quasiparticle random phase approximation. Nuclear Physics A, 1997, 612, 223-238.	1.5	25
14	Pairing vibrational states and the generator coordinate method. Nuclear Physics A, 1973, 217, 420-428.	1.5	24
15	Relativistic RPA for isobaric analogue and Gamow-Teller resonances in closed shell nuclei. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 444, 14-20.	4.1	24
16	Gamow-Teller strength functions and two-neutrino double-beta decay. Nuclear Physics A, 1990, 516, 304-324.	1.5	23
17	Two nucleon induced hypernuclear weak decay within a nuclear matter formalism. Nuclear Physics A, 2004, 739, 109-123.	1.5	23
18	Kinematical and nonlocality effects on the nonmesonic weak hypernuclear decay. Nuclear Physics A, 2003, 726, 267-302.	1.5	22

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19	Double-beta decay within a single-mode model. Nuclear Physics A, 1992, 542, 85-96.	1.5	21
20	General behavior of double beta decay amplitudes in the quasiparticle random phase approximation. Physical Review C, 1993, 48, 1452-1455.	2.9	21
21	Summation of time-dependent folded diagrams for effective interactions with a non-degenerate model space. Nuclear Physics A, 1995, 582, 205-222.	1.5	21
22	Analysis of unique beta transitions. Nuclear Physics A, 1967, 104, 386-400.	1.5	19
23	A new pn-QRPA method for the evaluation of double beta decay observable. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 246, 5-9.	4.1	17
24	Hypernuclear weak decay puzzle. Physical Review C, 2002, 66, .	2.9	17
25	RPA puzzle in ^{12}C weak decay processes. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 541, 298-306.	4.1	17
26	Structure of the Odd-Mass Gallium Isotopes with a Particle-Phonon Coupling Model. Physical Review C, 1972, 6, 187-195.	2.9	16
27	A comment on the isovector dipole and Gamow-Teller transitions in ^{90}Zr . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1980, 93, 218-222.	4.1	16
28	Beta spectroscopy with solid state detectors. Nuclear Instruments & Methods, 1963, 23, 79-92.	1.2	15
29	Analysis of odd-mass technetium isotopes with the Alaga model. Zeitschrift für Physik A, 1976, 278, 309-315.	1.4	14
30	Collective effects induced by charge-exchange vibrational modes on $0^+ \rightarrow 0^+$ and $2^+ \rightarrow 0^+$ first-forbidden \hat{P}^2 -decay transitions. Nuclear Physics A, 1986, 453, 45-57.	1.5	14
31	Nuclear moments for the neutrinoless double beta decay. Nuclear Physics A, 1998, 628, 170-186.	1.5	14
32	Nuclear structure in nonmesonic weak decay of hypernuclei. Brazilian Journal of Physics, 2003, 33, 187.	1.4	14
33	On the induced terms and the partial conservation of the axial vector current in \hat{P}^2 -decay. Physics Letters, 1966, 21, 680-682.	2.1	13
34	Properties of the Odd-Mass Iodine Isotopes in a Particle-Phonon Coupling Scheme. Physical Review C, 1973, 8, 1518-1524.	2.9	13
35	Two neutrino double beta decay within the $\hat{P}^3/4$ -approximation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 345, 192-196.	4.1	13
36	Proton-neutron self-consistent quasiparticle random phase approximation within the $O(5)$ model. Physical Review C, 2000, 62, .	2.9	13

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37	Many-body cascade calculation of final state interactions in ${}_{\Lambda}^{12}\text{C}$ nonmesonic weak decay. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2011, 38, 115105.	3.6	12
38	Energy Splitting between the $T=0$ and $T=0^{\sim}1$ Components of the Charge-Exchange Vector-Dipole Resonance. <i>Physical Review Letters</i> , 1981, 46, 1261-1264.	7.8	11
39	On the interplay between particle-hole and $\hat{\pi}$ -hole phonons. <i>Nuclear Physics A</i> , 1987, 469, 637-647.	1.5	11
40	Comparisons between shell-model calculations, seniority truncation, and quasiparticle approximations: Application to the odd Ni isotopes and odd $N=82$ isotones. <i>Physical Review C</i> , 1988, 38, 2902-2920.	2.9	11
41	Exact evaluation of the nuclear form factor for new kinds of majoron emission in neutrinoless double beta decay. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997, 392, 419-425.	4.1	11
42	QRAP: A numerical code for projected (Q)uasi-particle (R)andom (P)hase approximation. <i>Computer Physics Communications</i> , 2010, 181, 1123-1135.	7.5	11
43	On the coexistence of deformed and spherical states in Odd-Mass Nuclei. <i>Zeitschrift für Physik A</i> , 1973, 262, 39-58.	0.9	10
44	On charge-exchange Gamow-Teller and dipole resonances in ${}^{90}\text{Zr}$. <i>Nuclear Physics A</i> , 1981, 351, 365-378.	1.5	10
45	Generalized semimicroscopic model in odd-mass indium isotopes. <i>Physical Review C</i> , 1974, 9, 2320-2327.	2.9	9
46	Ground-state correlation effects in extended random phase approximation calculations. <i>Physical Review C</i> , 1994, 49, 2824-2827.	2.9	9
47	Ikeda sum rule, self-consistency and double-beta decay in the renormalized quasiparticle random phase approximation. <i>Nuclear Physics A</i> , 1997, 612, 223-238.	1.5	9
48	Self-consistent and renormalized particle-particle random phase approximation in a schematic model. <i>Physical Review C</i> , 1998, 58, 1841-1844.	2.9	9
49	The gross theory model for neutrino-nucleus cross-section. <i>New Journal of Physics</i> , 2008, 10, 033007.	2.9	9
50	Nuclear matrix elements for the $7/2^{\sim} \rightarrow 7/2^+$ beta transition in ${}^{141}\text{Ce}$. <i>Lettere Al Nuovo Cimento Rivista Internazionale Della Societ� Italiana Di Fisica</i> , 1971, 2, 681-685.	0.4	8
51	Induced-Tensor Interaction in Weak Processes. <i>Physical Review C</i> , 1972, 6, 1-12.	2.9	8
52	Projected BCS-Tamm-Dancoff approximation with blocking effect. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1982, 112, 103-107.	4.1	8
53	Charged majoron emission in neutrinoless double beta decay. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996, 371, 78-82.	4.1	8
54	A reanalysis of the LSND neutrino oscillation experiment. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2006, 642, 100-105.	4.1	8

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55	onic weak decay spectra of ^{208}Tl . <i>Nuclear Physics A</i> , 1963, 48, 292-298.	4.1	8
56	Experimental determination of the total conversion coefficient of the 0.265 MeV transition in ^{93}Mo . <i>Nuclear Physics (journal)</i> , 1963, 48, 292-298.	1.9	7
57	Investigation of the Nonunique First-Forbidden β^+ Decay. I. Analysis of the ^{208}Tl (0.962 MeV) 2^+ β^+ Transition in ^{198}Au . <i>Physical Review C</i> , 1973, 7, 760-768.	2.9	7
58	On the coupling phenomena between $J^{\pi} = 0$ and $J^{\pi} = 1$ charge exchange dipole modes. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1974, 48, 199-202.	4.1	7
59	Second-class currents in ^{16}O and unique nuclear β^+ transitions. <i>Zeitschrift für Physik A</i> , 1975, 273, 89-96.	1.4	7
60	Two-nucleon transfer processes in the lead region. <i>Nuclear Physics A</i> , 1975, 245, 466-478.	1.5	7
61	Semimicroscopic description of the odd iodine nuclei in the mass region 123-133. <i>Physical Review C</i> , 1977, 16, 438-452.	2.9	7
62	$^{130}\text{Te}(p, \alpha^2)$ reaction on analog resonances. <i>Physical Review C</i> , 1984, 29, 64-75.	2.9	7
63	Partial restoration of spin-isospin SU(4) symmetry and the one-quasiparticle random-phase approximation method in double- β^+ decay. <i>Physical Review C</i> , 2017, 96, .	2.9	7
64	Quasiparticle-phonon interaction and the β^+ -decay to the one phonon collective states. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1975, 56, 123-126.	4.1	6
65	Analysis of $^{136}\text{Xe}(p, p1)$ on analog resonances and the structure of ^{137}Xe . <i>Physical Review C</i> , 1978, 17, 1602-1606.	2.9	6
66	Nuclear structure model for double-charge-exchange processes. <i>Physical Review C</i> , 2020, 101, .	2.9	6
67	Determination of conversion coefficients from the decay of ^{202}mPb by means of a semiconductor detector. <i>Nuclear Physics (journal)</i> , 1964, 56, 689-694.	1.9	5
68	Investigation of the Nonunique First-Forbidden β^+ Decay. II. Analysis of the ^{72}Ge (0.581 MeV) 5^+ β^+ Transition in ^{141}Ce . <i>Physical Review C</i> , 1973, 7, 768-773.	2.9	5
69	On the description of the giant resonances within an RPA formalism with good isospin. <i>Nuclear Physics A</i> , 1988, 485, 46-60.	1.5	5
70	On the 2p-2h excitations and the quenching of the gamow-teller strength. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1988, 210, 55-60.	4.1	5
71	Ground-state correlations and transverse electron scattering. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1991, 268, 332-338.	4.1	5
72	Interpretation of the properties of the odd-mass silver isotopes in the framework of the models of De-Shalit and Alaga. <i>Nuclear Physics A</i> , 1974, 229, 133-140.	1.5	4

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73	A nuclear structure study of the \hat{I}^2 -decay of ^{210}Bi (RaE). Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1975, 58, 132-134.	4.1	4
74	Application of the generalized semimicroscopic model to 1f72 nuclei. Physical Review C, 1975, 11, 1015-1030.	2.9	4
75	The role of three-particle-three-hole excitations in the Gamow-Teller nuclear response. Nuclear Physics A, 1990, 518, 523-535.	1.5	4
76	Momentum distribution in nuclear matter within a perturbation approximation. Physical Review C, 1996, 53, 1664-1669.	2.9	4
77	Competition between standard and exotic double beta decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 436, 49-54.	4.1	4
78	Weak magnetism in two neutrino double beta decay. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 445, 249-253.	4.1	4
79	Pairing correlations in odd-mass carbon isotopes and effect of Pauli principle in particle-core coupling in ^{13}C and ^{11}Be . Nuclear Physics A, 2007, 791, 36-56.	1.5	4
80	Determination du coefficient de conversion K de la transition de 0,400 MeV dans la désintégration du ^{203}Pb en utilisant un compteur semiconducteur. Journal De Physique, 1964, 25, 1023-1025.	1.8	3
81	Structure of $N=85$ nuclei within the cluster-phonon coupling model. Physical Review C, 1982, 25, 2059-2071.	2.9	3
82	Particle-hole random-phase-approximation with good isospin. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1984, 149, 1-5.	4.1	3
83	$^{144}\text{Sm}(p,p\epsilon^2)$ scattering through isobaric analog resonances and the structure of ^{145}Sm . Physical Review C, 1984, 29, 49-63.	2.9	3
84	Nonmesonic weak decay of charmed hypernuclei. Journal of Physics G: Nuclear and Particle Physics, 2018, 45, 015101.	3.6	3
85	On the \hat{I}^2 -decay. Nuclear Physics A, 1976, 272, 189-207.	1.5	2
86	Renormalization of the axial-vector coupling constant by the charge conserving vibrational fields: Cancellation effects. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1983, 122, 121-125.	4.1	2
87	Relativistic model for the nonmesonic weak decay of single-lambda hypernuclei. Journal of Physics G: Nuclear and Particle Physics, 2016, 43, 055102.	3.6	2
88	Hindrance effects on the \hat{I}^2 moments for the $^{72}\hat{\alpha}^{\sim}(0.435\hat{\alpha}^{\sim}\text{MeV}\hat{I}^2\hat{\alpha}^{\sim})^{72}$ +transition from the decay of ^{141}Ce . Physical Review C, 1974, 9, 624-631.	2.9	1
89	Fragmentation of giant isovector quadrupole resonance. Physical Review C, 1984, 29, 1872-1878.	2.9	1
90	Isospin fragmentation of pairing vibrations. Physical Review C, 1989, 39, 2468-2471.	2.9	1

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91	Neutrino and antineutrino cross sections in ^{12}C . Journal of Physics: Conference Series, 2011, 312, 072009.	0.4	1
92	On improvements of Double Beta Decay using FQTD Model. Journal of Physics: Conference Series, 2015, 630, 012048.	0.4	1
93	Role of the $L=1$ baryon excitation in the giant electric dipole resonance. Physical Review C, 1984, 29, 2251-2253.	2.9	0
94	On the $\hat{I}^2\text{-}\hat{I}^3$ directional correlations in the \hat{I}^2 -decay of ^{208}Tl . Nuclear Physics A, 1984, 414, 85-92.	1.5	0
95	Energy-shell contributions of the three-particle \hat{I}^2 -three-hole excitations. Physical Review C, 1994, 49, 1949-1954.	2.9	0