# F Krmpotic

List of Publications by Year
in descending order



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|---|---|---|---|
| 95 papers | 1,181 citations | 331670 21 h-index | 501196 28 g-index |
| 95 all docs | 95 docs citations | 95 times ranked | 351 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Nuclear structure model for double-charge-exchange processes. Physical Review C, 2020, 101, . | 2.9 | 6 |
| 2 | Nonmesonic weak decay of charmed hypernuclei. Journal of Physics G: Nuclear and Particle Physics, 2018, 45, 015101. | 3.6 | 3 |
| 3 | Partial restoration of spin-isospin SU(4) symmetry and the one-quasiparticle random-phase approximation method in double- <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î²</mml:mi></mml:math> decay. Physical Review C, 2017, 96, . | 2.9 | 7 |
| 4 | 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 |
| 5 | On improvements of Double Beta Decay using FQTDA Model. Journal of Physics: Conference Series, 2015, 630, 012048. | 0.4 | 1 |
| 6 | Neutrino and antineutrino cross sections in<sup>12</sup>C. Journal of Physics: Conference Series, 2011, 312, 072009. | 0.4 | 1 |
| 7 | Neutrino and antineutrino charge-exchange reactions on<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">C</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>12</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>. Physical Review C, 2011, 83, . | 2.9 | 30 |
| 8 | Many-body cascade calculation of final state interactions in _Lambda ^{12}C nonmesonic weak decay. Journal of Physics G: Nuclear and Particle Physics, 2011, 38, 115105. | 3.6 | 12 |
| 9 | QRAP: A numerical code for projected (Q)uasiparticle (RA)ndom (P)hase approximation. Computer Physics Communications, 2010, 181, 1123-1135. | 7.5 | 11 |
| 10 | Nonmesonic weak decay spectra of <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/P | 4.1 | 8 |
| 11 | The gross theory model for neutrino-nucleus cross-section. New Journal of Physics, 2008, 10, 033007. | 2.9 | 9 |
| 12 | Pairing correlations in odd-mass carbon isotopes and effect of Pauli principle in particleâ€“core coupling in 13C and 11Be. Nuclear Physics A, 2007, 791, 36-56. | 1.5 | 4 |
| 13 | A reanalysis of the LSND neutrino oscillation experiment. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2006, 642, 100-105. | 4.1 | 8 |
| 14 | Neutrino-nucleus reactions and muon capture inC12. Physical Review C, 2005, 71, . | 2.9 | 28 |
| 15 | Two nucleon induced hypernuclear weak decay within a nuclear matter formalism. Nuclear Physics A, 2004, 739, 109-123. | 1.5 | 23 |
| 16 | Kinematical and nonlocality effects on the nonmesonic weak hypernuclear decay. Nuclear Physics A, 2003, 726, 267-302. | 1.5 | 22 |
| 17 | Nuclear structure in nonmesonic weak decay of hypernuclei. Brazilian Journal of Physics, 2003, 33, 187. | 1.4 | 14 |
| 18 | Hypernuclear weak decay puzzle. Physical Review C, 2002, 66, . | 2.9 | 17 |

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| 19 | RPA puzzle in 12C weak decay processes. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 541, 298-306. | 4.1 | 17 |
| 20 | Proton-neutron self-consistent quasiparticle random phase approximation within the O(5) model. Physical Review C, 2000, 62, . | 2.9 | 13 |
| 21 | 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 |
| 22 | Nuclear moments for the neutrinoless double beta decay II. Nuclear Physics A, 1999, 650, 485-497. | 1.5 | 27 |
| 23 | Self-consistent random phase approximation within the O(5) model and Fermi transitions. Nuclear Physics A, 1998, 637, 295-324. | 1.5 | 29 |
| 24 | 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 |
| 25 | Relativistic RPA for isobaric analogue and Gamowâ€“Teller resonances in closed shell nuclei. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 444, 14-20. | 4.1 | 24 |
| 26 | Nuclear moments for the neutrinoless double beta decay. Nuclear Physics A, 1998, 628, 170-186. | 1.5 | 14 |
| 27 | Self-consistent and renormalized particle-particle random phase approximation in a schematic model. Physical Review C, 1998, 58, 1841-1844. | 2.9 | 9 |
| 28 | Suppression of Core Polarization in Halo Nuclei. Physical Review Letters, 1997, 78, 2708-2711. | 7.8 | 36 |
| 29 | 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 | 9 |
| 30 | Exact evaluation of the nuclear form factor for new kinds of majoron emission in neutrinoless double beta decay. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 392, 419-425. | 4.1 | 11 |
| 31 | 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 |
| 32 | Charged majoron emission in neutrinoless double beta decay. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 371, 78-82. | 4.1 | 8 |
| 33 | Momentum distribution in nuclear matter within a perturbation approximation. Physical Review C, 1996, 53, 1664-1669. | 2.9 | 4 |
| 34 | Two neutrino double beta decay within the Î¾-approximation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 345, 192-196. | 4.1 | 13 |
| 35 | 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 |
| 36 | Ground-state correlation effects in extended random phase approximation calculations. Physical Review C, 1994, 49, 2824-2827. | 2.9 | 9 |

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| 37 | Energy-shell contributions of the three-particleâ€“three-hole excitations. Physical Review C, 1994, 49, 1949-1954. | 2.9 | 0 |
| 38 | Double-beta decay in pn-QRPA model with isospin and SU(4) symmetry constraints. Nuclear Physics A, 1994, 572, 329-348. | 1.5 | 28 |
| 39 | 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 |
| 40 | General behavior of double beta decay amplitudes in the quasiparticle random phase approximation. Physical Review C, 1993, 48, 1452-1455. | 2.9 | 21 |
| 41 | Double-beta decay within a single-mode model. Nuclear Physics A, 1992, 542, 85-96. | 1.5 | 21 |
| 42 | Ground-state correlations and transverse electron scattering. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 268, 332-338. | 4.1 | 5 |
| 43 | 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 |
| 44 | The role of three-particle-three-hole excitations in the Gamow-Teller nuclear response. Nuclear Physics A, 1990, 518, 523-535. | 1.5 | 4 |
| 45 | Gamow-Teller strength functions and two-neutrino double-beta decay. Nuclear Physics A, 1990, 516, 304-324. | 1.5 | 23 |
| 46 | Reconstruction of isospin and spin-isospin symmetries and double beta decay. Physical Review C, 1990, 41, 792-795. | 2.9 | 36 |
| 47 | Isospin fragmentation of pairing vibrations. Physical Review C, 1989, 39, 2468-2471. | 2.9 | 1 |
| 48 | On the description of the giant resonances within an RPA formalism with good isospin. Nuclear Physics A, 1988, 485, 46-60. | 1.5 | 5 |
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| 50 | Comparisons between shell-model calculations, seniority truncation, and quasiparticle approximations: Application to the odd Ni isotopes and oddN=82isotones. Physical Review C, 1988, 38, 2902-2920. | 2.9 | 11 |
| 51 | On the interplay between particle-hole and Î”-hole phonons. Nuclear Physics A, 1987, 469, 637-647. | 1.5 | 11 |
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| 53 | Role of theL=1baryon excitation in the giant electric dipole resonance. Physical Review C, 1984, 29, 2251-2253. | 2.9 | 0 |
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| 56 | 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 |
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| 60 | Giant first-forbidden resonances. Nuclear Physics A, 1983, 399, 478-502. | 1.5 | 31 |
| 61 | Structure ofN=85nuclei within the cluster-phonon coupling model. Physical Review C, 1982, 25, 2059-2071. | 2.9 | 3 |
| 62 | Projected BCS-Tamm-Dancoff approximation with blocking effect. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1982, 112, 103-107. | 4.1 | 8 |
| 63 | 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 |
| 64 | On charge-exchange Gamow-Teller and dipole resonances in 90Zr. Nuclear Physics A, 1981, 351, 365-378. | 1.5 | 10 |
| 65 | Energy Splitting between theT=T0andT=T0â^'1Components of the Charge-Exchange Vector-Dipole Resonance. Physical Review Letters, 1981, 46, 1261-1264. | 7.8 | 11 |
| 66 | Charge-exchange collective modes and beta decay processes in the lead region. Nuclear Physics A, 1980, 342, 497-527. | 1.5 | 39 |
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| 73 | A nuclear structure study of the Î²-decay of 210Bi(RaE). Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1975, 58, 132-134. | 4.1 | 4 |
| 74 | Second-class currents in 0â^'â†'0+ and unique nuclear Î² transitions. Zeitschrift FÃ¼r Physik A, 1975, 273, 89-96. | 1.4 | 7 |
| 75 | Two-nucleon transfer processes in the lead region. Nuclear Physics A, 1975, 245, 466-478. | 1.5 | 7 |
| 76 | Application of the generalized semimicroscopic model to1f72nuclei. Physical Review C, 1975, 11, 1015-1030. | 2.9 | 4 |
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| 82 | Pairing vibrational states and the generator coordinate method. Nuclear Physics A, 1973, 217, 420-428. | 1.5 | 24 |
| 83 | Investigation of the Nonunique First-ForbiddenÎ²Decay. I. Analysis of the2â^'(0.962 MeV)2+Î²Transition inAu198. Physical Review C, 1973, 7, 760-768. | 2.9 | 7 |
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