

Leonid Grigorenko

List of Publications by Year in descending order

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Version: 2024-02-01

59
papers

2,489
citations

186265

28
h-index

189892

50
g-index

60
all docs

60
docs citations

60
times ranked

836
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Transition from direct to sequential two-proton decay in d shell nuclei. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 762, 263-270. | 4.1 | 12 |
| 20 | Continuum excitations of ^{26}O in a three-body model: 0^+ and 2^+ states. Physical Review C, 2015, 91, . | 2.9 | 22 |
| 21 | Interplay between sequential and prompt two-proton decay from the first excited state of ^{26}O . Observation and Spectroscopy of New Proton-Unbound Isotopes ^{26}O and ^{27}F . Physical Review C, 2015, 92, . | 7.8 | 29 |
| 22 | Light Exotic Nuclei at JINR: ACCULINNA and ACCULINNA-2 Facilities. Nuclear Physics News, 2014, 24, 22-27. | 7.8 | 37 |
| 23 | Observation of Long-Range Three-Body Coulomb Effects in the Decay of ^{26}O . Physical Review Letters, 2014, 113, 232501. | 0.4 | 7 |
| 24 | Two-proton decay of the ^{6}Be ground state and the double isobaric analog of ^{11}Li . Journal of Physics: Conference Series, 2013, 420, 012073. | 7.8 | 42 |
| 25 | Democratic Decay of ^{6}Be Exposed by Correlations. Physical Review Letters, 2012, 109, 202502. | 0.4 | 1 |
| 26 | Recent results related to excited states of ^{6}Be and ^{10}He . EPJ Web of Conferences, 2012, 38, 15002. | 7.8 | 59 |
| 27 | Sensitivity of three-body decays to the reactions mechanism and the initial structure by example of ^{6}Be . Physical Review C, 2012, 86, . | 0.3 | 0 |
| 28 | Structure of ^{10}He Low-Lying States Uncovered by Correlations. Physical Review Letters, 2012, 108, 202502. | 2.9 | 15 |
| 29 | Radioactive decays at limits of nuclear stability. Reviews of Modern Physics, 2012, 84, 567-619. | 7.8 | 43 |
| 30 | Isovector soft dipole mode in ^{6}Be . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 708, 6-13. | 4.1 | 18 |
| 31 | Two-neutron radioactivity and four-nucleon emission from exotic nuclei. Physical Review C, 2011, 84, . | 2.9 | 56 |
| 32 | LIFETIME OF ^{26}S AND A LIMIT FOR ITS $2p$ DECAY ENERGY. International Journal of Modern Physics E, 2011, 20, 1491-1508. | 1.0 | 16 |
| 33 | Halo formation and breakup: lessons and open questions. Journal of Physics G: Nuclear and Particle Physics, 2010, 37, 064026. | 3.6 | 25 |
| 34 | Two-proton radioactivity and three-body decay. V. Improved momentum distributions. Physical Review C, 2010, 82, . | 2.9 | 16 |
| 35 | Complete correlation studies of two-proton decays: ^{6}Be and ^{45}Fe . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 677, 30-35. | 4.1 | 50 |

| # | ARTICLE | IF | CITATIONS |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 37 | Theoretical study of two-proton radioactivity. Status, predictions, and applications. Physics of Particles and Nuclei, 2009, 40, 674-714. | 0.7 | 28 |
| 38 | Three-body decay of ${}^6\text{Be}$. Physical Review C, 2009, 80, . | 2.9 | 59 |
| 39 | Two-proton radioactivity and three-body decay. III. Integral formulas for decay widths in a simplified semianalytical approach. Physical Review C, 2007, 76, . | 2.9 | 63 |
| 40 | Two-proton radioactivity and three-body decay. IV. Connection to quasiclassical formulation. Physical Review C, 2007, 76, . | 2.9 | 38 |
| 41 | Proton-proton correlations observed in two-proton radioactivity of ${}^{94}\text{Ag}$. Nature, 2006, 439, 298-302. | 27.8 | 119 |
| 42 | Soft dipole mode in ${}^{17}\text{Ne}$ and the astrophysical $2p$ capture on ${}^{15}\text{O}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2006, 641, 254-259. | 4.1 | 37 |
| 43 | Three-body correlations in electromagnetic dissociation of Borromean nuclei: The ${}^6\text{He}$ case. Nuclear Physics A, 2005, 759, 23-42. | 1.5 | 32 |
| 44 | Two-proton radioactivity studies with ${}^{45}\text{Fe}$ and ${}^{48}\text{Ni}$. Physical Review C, 2005, 72, . | 2.9 | 120 |
| 45 | Correlation studies of the ${}^5\text{He}$ spectrum. Physical Review C, 2005, 72, . | 2.9 | 51 |
| 46 | Three-body resonant radiative capture reactions in astrophysics. Physical Review C, 2005, 72, . | 2.9 | 36 |
| 47 | Estimates of the ${}^7\text{H}$ width and lower decay energy limit. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 588, 163-171. | 4.1 | 33 |
| 48 | Prospective candidates for the two-proton decay studies I: structure and Coulomb energies of ${}^{17}\text{Ne}$ and ${}^{19}\text{Mg}$. Nuclear Physics A, 2003, 713, 372-389. | 1.5 | 73 |
| 49 | Prospective candidates for the two-proton decay studies. (II) Exploratory studies of ${}^{30}\text{Ar}$, ${}^{34}\text{Ca}$, and ${}^{45}\text{Fe}$. Nuclear Physics A, 2003, 714, 425-440. | 1.5 | 37 |
| 50 | Two-proton radioactivity and three-body decay. II. Exploratory studies of lifetimes and correlations. Physical Review C, 2003, 68, . | 2.9 | 119 |
| 51 | Two-Proton Widths of ${}^{12}\text{O}$, ${}^{16}\text{Ne}$, and Three-Body Mechanism of Thomas-Ehrman Shift. Physical Review Letters, 2002, 88, 042502. | 7.8 | 74 |
| 52 | Two-proton events in the ${}^{17}\text{F}(p,2p){}^{16}\text{O}$ reaction. Physical Review C, 2002, 65, . | 2.9 | 13 |
| 53 | Three-body decays of light nuclei: ${}^6\text{Be}$, ${}^8\text{Li}$, ${}^9\text{Be}$, ${}^{12}\text{O}$, ${}^{16}\text{Ne}$, and ${}^{17}\text{Ne}$. European Physical Journal A, 2002, 15, 125-129. | 2.5 | 19 |
| 54 | First evidence for the two-proton decay of ${}^{45}\text{Fe}$. European Physical Journal A, 2002, 14, 279-285. | 2.5 | 235 |

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|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 55 | Two-proton radioactivity and three-body decay: General problems and theoretical approach. Physical Review C, 2001, 64, . | 2.9 | 104 |
| 56 | Nuclear structure of ${}^5\text{He}$ in a three-body ${}^3\text{H}+n+n$ model. Physical Review C, 2000, 62, . | 2.9 | 53 |
| 57 | Theory of Two-Proton Radioactivity with Application to ${}^{19}\text{Mg}$ and ${}^{48}\text{Ni}$. Physical Review Letters, 2000, 85, 22-25. | 7.8 | 135 |
| 58 | Extended three-cluster model with two-cluster long-range correlations: Application to the ${}^8\text{Li}$, ${}^8\text{B}$ nuclei. Physical Review C, 1999, 60, . | 2.9 | 41 |
| 59 | ${}^6\text{He}$ beta decay to the $1\pm+d$ channel in a three-body model. Physical Review C, 1993, 47, 2937-2940. | 2.9 | 21 |