

# Ä°smail Boztosun

## List of Publications by Year in descending order

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159  
papers

3,012  
citations

159585

30  
h-index

197818

49  
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161  
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161  
docs citations

161  
times ranked

1208  
citing authors

| #  | ARTICLE                                                                                                                                                                                                                                                                                                    | IF  | CITATIONS |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1  | Natural and artificial radionuclide activity concentrations and dose assessments of some medicinal plants in Balıkesir, Turkey. International Journal of Environmental Analytical Chemistry, 2023, 103, 9062-9080.                                                                                         | 3.3 | 5         |
| 2  | Orientation-Dependent Deformed Nuclear Potential for the $\alpha$ -Decay. Brazilian Journal of Physics, 2022, 52, 1.                                                                                                                                                                                       | 1.4 | 0         |
| 3  | Natural and artificial radioactivity levels of greenhouse soils and relations with soil properties. Journal of Radioanalytical and Nuclear Chemistry, 2022, 331, 783.                                                                                                                                      | 1.5 | 0         |
| 4  | Initial State Interaction for the $^{20}\text{Ne} + ^{130}\text{Te}$ and $^{18}\text{O} + ^{116}\text{Sn}$ Systems at 15.3 AMeV from Elastic and Inelastic Scattering Measurements. Universe, 2021, 7, 58.                                                                                                 | 2.5 | 29        |
| 5  | An Analysis of Elastic Scattering Angular Distributions of $^{17}\text{F}$ on a $^{208}\text{Pb}$ Target at Different Energies. Few-Body Systems, 2021, 62, 1.                                                                                                                                             | 1.5 | 1         |
| 6  | The NUMEN Project: An Update of the Facility Toward the Future Experimental Campaigns. Frontiers in Astronomy and Space Sciences, 2021, 8, .                                                                                                                                                               | 2.8 | 18        |
| 7  | Gamma spectrometry measurements of natural and artificial radioactivity of Saklıkent-Antalya and its correlation to quarries. Arabian Journal of Geosciences, 2021, 14, 1.                                                                                                                                 | 1.3 | 1         |
| 8  | Recent experimental activity on heavy-ion induced reactions within the NUMEN project. EPJ Web of Conferences, 2021, 252, 04001.                                                                                                                                                                            | 0.3 | 0         |
| 9  | A study on the activity concentrations of $^{226}\text{Ra}$ , $^{232}\text{Th}$ , $^{40}\text{K}$ , $^{137}\text{Cs}$ and radiological risk assessments in soil samples from Seydisehir and Beysehir districts of Konya in Turkey. Journal of Radioanalytical and Nuclear Chemistry, 2021, 330, 1017-1025. | 1.5 | 3         |
| 10 | The NUMEN Technical Design Report. International Journal of Modern Physics A, 2021, 36, .                                                                                                                                                                                                                  | 1.5 | 21        |
| 11 | Analysis of two-nucleon transfer reactions in the $^{20}\text{Ne} + ^{116}\text{Sn}$ system at 306 MeV. Physical Review C, 2020, 102, .                                                                                                                                                                    | 2.9 | 42        |
| 12 | The NUMEN Heavy Ion Multidetector for a Complementary Approach to the Neutrinoless Double Beta Decay. Universe, 2020, 6, 129.                                                                                                                                                                              | 2.5 | 26        |
| 13 | Using a clinical linac to determine the energies of gamma-ray transitions and half-lives of barium nuclei. Modern Physics Letters A, 2020, 35, 2050062.                                                                                                                                                    | 1.2 | 0         |
| 14 | New measurements and reanalysis of $^{14}\text{N}$ elastic scattering on $^{10}\text{B}$ target *. Chinese Physics C, 2020, 44, 104103.                                                                                                                                                                    | 3.7 | 8         |
| 15 | Feasibility of using Off-The-Shelf clinical linac for soil multi-elemental instrumental photon activation analysis. Journal of Radioanalytical and Nuclear Chemistry, 2019, 322, 337-346.                                                                                                                  | 1.5 | 1         |
| 16 | Analysis of two-nucleon transfer reactions in the $^{20}\text{Ne} + ^{76}\text{Ge}$ elastic and inelastic scattering at 306 MeV. Physical Review C, 2019, 100, .                                                                                                                                           | 2.9 | 36        |
| 17 | Charge-state distributions of $^{20}\text{Ne}$ ions emerging from thin foils. Results in Physics, 2019, 13, 102191.                                                                                                                                                                                        | 4.1 | 22        |
| 18 | Low-lying dipole strength in the well-deformed nucleus $^{156}\text{Gd}$ . Nuclear Physics A, 2019, 987, 79-89.                                                                                                                                                                                            | 1.5 | 15        |

| #  | ARTICLE                                                                                                                                                                                                        | IF  | CITATIONS |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Recent results on heavy-ion induced reactions of interest for neutrinoless double beta decay at INFN-LNS. EPJ Web of Conferences, 2019, 223, 01009.                                                            | 0.3 | 0         |
| 20 | Photon activation analysis of sand samples from Antalya in Turkey with a clinical electron linear accelerator. Radiochimica Acta, 2019, 107, 149-156.                                                          | 1.2 | 5         |
| 21 | Study of filling material of dental composites: an analytical approach using radio-activation. Radiochimica Acta, 2018, 106, 69-77.                                                                            | 1.2 | 4         |
| 22 | Determination of the Sr/Ca ratio of tooth samples by photoactivation analysis in Southern Turkey. Radiochimica Acta, 2018, 106, 759-768.                                                                       | 1.2 | 16        |
| 23 | The nuclear matrix elements of $0\nu\beta\beta$ decay and the NUMEN project at INFN-LNS. EPJ Web of Conferences, 2018, 194, 02001.                                                                             | 0.3 | 1         |
| 24 | Post-stripper study for the ( $^{20}\text{Ne}$ , $^{20}\text{O}$ ) double charge exchange reaction at zero degrees with the MAGNEX spectrometer. Journal of Physics: Conference Series, 2018, 1056, 012052.    | 0.4 | 0         |
| 25 | Experimental challenges for the measurement of the $^{116}\text{Cd}(\text{Ne},\text{O})^{116}\text{Sn}$ double charge exchange reaction at 15 AMeV. Journal of Physics: Conference Series, 2018, 1023, 012006. | 0.4 | 0         |
| 26 | Data reduction for experimental measurements within the NUMEN project. Journal of Physics: Conference Series, 2018, 1056, 012010.                                                                              | 0.4 | 0         |
| 27 | Measuring nuclear reaction cross sections to extract information on neutrinoless double beta decay. Journal of Physics: Conference Series, 2018, 966, 012021.                                                  | 0.4 | 1         |
| 28 | Experimental challenges in the measurement of double charge exchange reactions within the NUMEN project. Journal of Physics: Conference Series, 2018, 1078, 012008.                                            | 0.4 | 1         |
| 29 | Experimental issues for the measurement of the double charge exchange reactions within the NUMEN project. Journal of Physics: Conference Series, 2018, 1056, 012011.                                           | 0.4 | 0         |
| 30 | Heavy-ion particle identification for the transfer reaction channels for the system $^{18}\text{O} + ^{116}\text{Sn}$ under the NUMEN Project. Journal of Physics: Conference Series, 2018, 1056, 012015.      | 0.4 | 0         |
| 31 | Determination of the energy transitions and half-lives of Rubidium nuclei. Open Physics, 2018, 16, 63-68.                                                                                                      | 1.7 | 1         |
| 32 | The NUMEN project: NUclear Matrix Elements for Neutrinoless double beta decay. European Physical Journal A, 2018, 54, 1.                                                                                       | 2.5 | 146       |
| 33 | First Measurement of the $^{116}\text{Cd}(\text{Ne},\text{O})^{116}\text{Sn}$ Reaction at 15, A MeV. Acta Physica Polonica B, 2018, 49, 275.                                                                   | 0.8 | 37        |
| 34 | Measurement of Energy Transition and Half-Lives from Decay of In Isotopes. , 2018, , .                                                                                                                         |     | 0         |
| 35 | Multielemental analysis of some soils in Karaman by PAA using a cLINAC. Applied Radiation and Isotopes, 2017, 122, 57-62.                                                                                      | 1.5 | 19        |
| 36 | Attenuation properties of radiation shielding materials such as granite and marble against $\beta$ -ray energies between 80 and 1350 keV. Radiochimica Acta, 2017, 105, 851-863.                               | 1.2 | 45        |

| #  | ARTICLE                                                                                                                                                                                                                                  | IF  | CITATIONS |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 37 | Photoneutron Flux Measurement via Neutron Activation Analysis in a Radiotherapy Bunker with an 18 MV Linear Accelerator. EPJ Web of Conferences, 2017, 153, 07006.                                                                       | 0.3 | 2         |
| 38 | The NUMEN project @ LNS: Status and perspectives. AIP Conference Proceedings, 2017, , .                                                                                                                                                  | 0.4 | 1         |
| 39 | Determination of self-attenuation correction factor for lichen samples by using gamma-ray spectrometry. Kerntechnik, 2017, 82, 136-139.                                                                                                  | 0.2 | 2         |
| 40 | Photoactivation Analysis of Mineral Trioxide Aggregate: Preliminary Results. Acta Physica Polonica A, 2017, 132, 869-871.                                                                                                                | 0.5 | 0         |
| 41 | Microtus guentheri (Danford & Alston, 1880) (Rodentia: Cricetidae) as a biomonitor for radionuclides in Mersin Province of Turkey. Turkish Journal of Zoology, 2016, 40, 561-573.                                                        | 0.9 | 0         |
| 42 | Comparison between natural radioactivity levels and geochemistry of some granitoids in western Turkey. Turkish Journal of Earth Sciences, 2016, 25, 242-255.                                                                             | 1.0 | 8         |
| 43 | Preliminary results of Sr/Ca ratio study of teeth samples by photoactivation analysis. EPJ Web of Conferences, 2016, 128, 02001.                                                                                                         | 0.3 | 2         |
| 44 | Nuclear astrophysics with radioactive ions at FAIR. Journal of Physics: Conference Series, 2016, 665, 012044.                                                                                                                            | 0.4 | 9         |
| 45 | Transition energy and half-life determinations of photonuclear reaction products of erbium nuclei. International Journal of Modern Physics E, 2016, 25, 1650107.                                                                         | 1.0 | 3         |
| 46 | Determination of gamma-ray energies and half lives of platinum radio-isotopes by photon activation using a medical electron linear accelerator: a feasibility study. Journal of Radioanalytical and Nuclear Chemistry, 2016, 309, 79-83. | 1.5 | 8         |
| 47 | Radial sensitivity of the optical model potentials for $4\text{He}+120\text{Sn}$ and $6\text{He}+120\text{Sn}$ . International Journal of Modern Physics E, 2016, 25, 1650071.                                                           | 1.0 | 1         |
| 48 | Measuring decay of praseodymium isotopes activated by a clinical LINAC. Modern Physics Letters A, 2016, 31, 1650212.                                                                                                                     | 1.2 | 6         |
| 49 | The nuclear matrix elements of $0\nu\hat{1}^2\hat{1}^2$ decay and the NUMEN project at INFN-LNS. Journal of Physics: Conference Series, 2016, 730, 012006.                                                                               | 0.4 | 1         |
| 50 | Using a clinical linac to determine the energy levels of $92\text{mNb}$ via the photonuclear reaction. Applied Radiation and Isotopes, 2016, 115, 97-99.                                                                                 | 1.5 | 10        |
| 51 | Energy level and half-life determinations from photonuclear reaction on Ga target. International Journal of Modern Physics E, 2016, 25, 1650045.                                                                                         | 1.0 | 11        |
| 52 | Determination of activity concentration of natural and artificial radionuclides in sand samples from mediterranean coast of Antalya in Turkey. Kerntechnik, 2015, 80, 280-290.                                                           | 0.2 | 13        |
| 53 | Investigation of the Photo-activation Analysis on Concentrations of Various Materials. Journal of Physics: Conference Series, 2015, 590, 012053.                                                                                         | 0.4 | 1         |
| 54 | Photonuclear reactions induced by a clinical linac. Journal of Physics: Conference Series, 2015, 590, 012024.                                                                                                                            | 0.4 | 3         |

| #  | ARTICLE                                                                                                                                                                                                      | IF  | CITATIONS |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 55 | Energy Levels and Half-Lives of Gallium Isotopes Obtained by Photo-Nuclear Reaction. Journal of Physics: Conference Series, 2015, 590, 012051.                                                               | 0.4 | 3         |
| 56 | Qualitative Elemental Analyses of a Meteorite Sample Found in Turkey by Photo-activation Analysis Method. Journal of Physics: Conference Series, 2015, 590, 012054.                                          | 0.4 | 0         |
| 57 | Photofission of $^{238}\text{U}$ Nuclei. Journal of Physics: Conference Series, 2015, 590, 012059.                                                                                                           | 0.4 | 0         |
| 58 | Dependence of activity concentration of natural and artificial radionuclides on depth in soil samples from Antalya in Turkey. Journal of Physics: Conference Series, 2015, 590, 012044.                      | 0.4 | 1         |
| 59 | Analysis of Elastic Scattering of $^8\text{He}+^{208}\text{Pb}$ System at around the Coulomb Barrier Energies. Journal of Physics: Conference Series, 2015, 590, 012058.                                     | 0.4 | 0         |
| 60 | Photonuclear reactions with zinc: A case for clinical linacs. European Physical Journal Plus, 2015, 130, 1.                                                                                                  | 2.6 | 14        |
| 61 | Determination of naturally occurring radionuclides in soil samples of Ayranci, Turkey. Journal of Physics: Conference Series, 2015, 590, 012042.                                                             | 0.4 | 3         |
| 62 | Optical and Coupled-Channels Description of $^{20}\text{Ne}+^{16}\text{O}$ Elastic Scattering. Journal of Physics: Conference Series, 2015, 590, 012056.                                                     | 0.4 | 3         |
| 63 | Interaction of $^{14}\text{N}+^{12}\text{C}$ nuclei: Case of $^{14}\text{N}+^{12}\text{C}$ Elastic Scattering at 21.0 MeV. Journal of Physics: Conference Series, 2015, 590, 012055.                         | 0.4 | 1         |
| 64 | The results of the first photonuclear reaction performed in Turkey: the zinc example. Turkish Journal of Physics, 2014, 38, 1-9.                                                                             | 1.1 | 20        |
| 65 | Role of the surface potential in explaining the $^{11}\text{Li}+^{28}\text{Si}$ system. Physical Review C, 2014, 89, .                                                                                       | 2.9 | 2         |
| 66 | Determination of gamma radioactivity levels and associated dose rates of soil samples of the Akkuyu/Mersin using high-resolution gamma-ray spectrometry. Radiation Protection Dosimetry, 2014, 158, 461-465. | 0.8 | 25        |
| 67 | An Extended Analysis of the Elastic Scattering of $^6\text{Li}(^6\text{He}, ^6\text{He})^6\text{Li}$ system at 17.9 MeV. Few-Body Systems, 2014, 55, 203-209.                                                | 1.5 | 10        |
| 68 | Measurement of radioactivity levels and assessment of radioactivity hazards of soil samples in Karaman, Turkey. Radiation Protection Dosimetry, 2014, 162, 630-637.                                          | 0.8 | 19        |
| 69 | Gamma-ray spectrometry for the self-attenuation correction factor of the sand samples from Antalya in Turkey. Journal of Radioanalytical and Nuclear Chemistry, 2014, 301, 103-108.                          | 1.5 | 18        |
| 70 | Gamow-Teller transitions in the $A=40$ isoquintet of relevance for neutrino captures in $^{40}\text{Ar}$ . Physical Review C, 2014, 89, .                                                                    | 2.9 | 12        |
| 71 | Distribution of natural and anthropogenic radionuclides in beach sand samples from Mediterranean Coast of Turkey. Radiation Physics and Chemistry, 2014, 103, 37-44.                                         | 2.8 | 49        |
| 72 | PARAMETRIZED FORM OF THE DYNAMIC POLARIZATION POTENTIAL FOR THE $^6\text{He}+^{208}\text{Pb}$ INTERACTION. Modern Physics Letters A, 2013, 28, 1350112.                                                      | 1.2 | 10        |

| #  | ARTICLE                                                                                                                                                                                                                                                                                                                                                                            | IF  | CITATIONS |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 73 | Influence of long-range effects on low-energy cross sections of He and He $\langle\text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline">\rangle X\langle\text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline">\rangle$ . The lithium problem. Physical Review C, 2012, 85, .                                                     | 2.9 | 21        |
| 74 | RADIAL SENSITIVITY OF THE ELASTIC SCATTERING AROUND THE COULOMB BARRIER ENERGIES FOR WEAKLY-BOUND AND HALO NUCLEI. Modern Physics Letters A, 2012, 27, 1250118.                                                                                                                                                                                                                    | 1.2 | 0         |
| 75 | A study on the Fresnel diffraction of ${}^6\text{He}$ by means of different microscopic density distributions. Physics of Atomic Nuclei, 2012, 75, 963-968.                                                                                                                                                                                                                        | 0.4 | 4         |
| 76 | Bohr Hamiltonian with a finite well for triaxial nuclei. Journal of Physics G: Nuclear and Particle Physics, 2012, 39, 085112.                                                                                                                                                                                                                                                     | 3.6 | 17        |
| 77 | Effect of nuclear deformation on $\langle\text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline">\rangle \langle\text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline">\rangle \pm \langle\text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline">\rangle$ -decay half-lives. Physical Review C, 2012, 85, . | 2.9 | 44        |
| 78 | Role of the cluster deformations in explaining the exotic decay half-lives. European Physical Journal A, 2012, 48, 1.                                                                                                                                                                                                                                                              | 2.5 | 26        |
| 79 | Phase shift analysis of the ${}^6\text{He}+{}^{208}\text{Pb}$ and the ${}^6\text{He}+{}^{197}\text{Au}$ systems. Open Physics, 2012, 10, .                                                                                                                                                                                                                                         | 1.7 | 1         |
| 80 | The energy eigenvalues of the Kratzer potential in the presence of a magnetic field. European Physical Journal D, 2012, 66, 1.                                                                                                                                                                                                                                                     | 1.3 | 34        |
| 81 | Supersymmetric solution of Schrödinger equation by using the asymptotic iteration method. Annalen Der Physik, 2012, 524, 353-359.                                                                                                                                                                                                                                                  | 2.4 | 3         |
| 82 | Effect of the velocity-dependent potentials on the energy eigenvalues of the Morse potential. Open Physics, 2012, 10, .                                                                                                                                                                                                                                                            | 1.7 | 12        |
| 83 | Electric quadrupole transitions of the Bohr Hamiltonian with the Morse potential. Physical Review C, 2011, 84, .                                                                                                                                                                                                                                                                   | 2.9 | 44        |
| 84 | Semiclassical description of the ${}^6\text{He}+{}^{12}\text{C}$ elastic scattering. Physics of Atomic Nuclei, 2011, 74, 13-18.                                                                                                                                                                                                                                                    | 0.4 | 4         |
| 85 | Effect of the Velocity-Dependent Potentials on the Bound State Energy Eigenvalues. Chinese Physics Letters, 2011, 28, 040304.                                                                                                                                                                                                                                                      | 3.3 | 7         |
| 86 | A theoretical analysis of the ${}^6\text{He} + {}^9\text{Be}$ reaction: phenomenological and double folding model approximations. Bitlis Eren University Journal of Science and Technology, 2011, 1, 12-12.                                                                                                                                                                        | 0.8 | 0         |
| 87 | Microscopic few-body and Gaussian-shaped density distributions for the analysis of the ${}^6\text{He}$ exotic nucleus with different target nuclei. Nuclear Physics A, 2010, 848, 245-259.                                                                                                                                                                                         | 1.5 | 27        |
| 88 | The relativistic treatment of spin-0 particles under the rotating Morse oscillator. Journal of Mathematical Physics, 2010, 51, 112301.                                                                                                                                                                                                                                             | 1.1 | 25        |
| 89 | EXAMINATION OF $V(r) = -\frac{Z}{r} + gr + \lambda r^2$ POTENTIAL IN THE PRESENCE OF MAGNETIC FIELD. International Journal of Modern Physics E, 2010, 19, 1349-1356.                                                                                                                                                                                                               | 1.0 | 3         |
| 90 | A long sought result: Closed analytical solutions of the Bohr Hamiltonian with the Morse potential. Journal of Physics: Conference Series, 2010, 205, 012020.                                                                                                                                                                                                                      | 0.4 | 3         |



| #   | ARTICLE                                                                                                                                                                                     | IF  | CITATIONS |
|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 109 | Electron positron pair production at RHIC and LHC. , 2008, , .                                                                                                                              |     | 0         |
| 110 | Old and New Magic Numbers. , 2008, , .                                                                                                                                                      |     | 0         |
| 111 | Stochastic Mean-Field Dynamics For Nuclear Collisions. , 2008, , .                                                                                                                          |     | 0         |
| 112 | Microscopic double folding potential description of the ${}^6\text{He} + {}^{12}\text{C}$ reaction. Physical Review C, 2008, 77, .                                                          | 2.9 | 14        |
| 113 | An Improvement of the Asymptotic Iteration Method for Exactly Solvable Eigenvalue Problems. Chinese Physics Letters, 2007, 24, 3028-3031.                                                   | 3.3 | 22        |
| 114 | AN ALTERNATIVE ACCURATE SOLUTION OF THE EXPONENTIAL COSINE SCREENED COULOMB POTENTIAL. International Journal of Modern Physics C, 2007, 18, 1443-1451.                                      | 1.7 | 7         |
| 115 | ARBITRARY $\hat{n}$ -STATE SOLUTION OF THE HELLMANN POTENTIAL. Journal of Theoretical and Computational Chemistry, 2007, 06, 893-903.                                                       | 1.8 | 8         |
| 116 | Bound state solutions of the Hulth $\tilde{\Delta}$ potential by using the asymptotic iteration method. Physica Scripta, 2007, 76, 92-96.                                                   | 2.5 | 86        |
| 117 | Examination of the ${}^{\pm}12\text{C}$ Reaction at ELAB=13 MeV by Using a Modified Optical Potential. AIP Conference Proceedings, 2007, , .                                                | 0.4 | 0         |
| 118 | An approximate solution of Dirac-Hulth $\tilde{\Delta}$ problem with pseudospin and spin symmetry for any $\hat{n}$ state. Journal of Mathematical Physics, 2007, 48, 082302.               | 1.1 | 75        |
| 119 | Solution of the radial Schrödinger equation for the potential family using the asymptotic iteration method. Journal of Physics B: Atomic, Molecular and Optical Physics, 2007, 40, 537-544. | 1.5 | 50        |
| 120 | Reexamination of the excited states of ${}^{12}\text{C}$ . Physical Review C, 2007, 76, .                                                                                                   | 2.9 | 83        |
| 121 | The pseudospin symmetric solution of the Morse potential for any $\hat{n}$ state. Journal of Physics A: Mathematical and Theoretical, 2007, 40, 11119-11127.                                | 2.1 | 72        |
| 122 | Analytical solutions to the Hulth $\tilde{\Delta}$ and the Morse potentials by using the asymptotic iteration method. Computational and Theoretical Chemistry, 2007, 802, 17-21.            | 1.5 | 42        |
| 123 | Accurate iterative solution of the energy eigenvalues of a two-dimensional hydrogenic donor in a magnetic field of arbitrary strength. Physica B: Condensed Matter, 2007, 396, 150-154.     | 2.7 | 16        |
| 124 | Exact analytical solutions to the Kratzer potential by the asymptotic iteration method. International Journal of Quantum Chemistry, 2007, 107, 540-544.                                     | 2.0 | 188       |
| 125 | Application of the asymptotic iteration method to the exponential cosine screened Coulomb potential. International Journal of Quantum Chemistry, 2007, 107, 1040-1045.                      | 2.0 | 30        |
| 126 | Examination of the ${}^{16}\text{O} + {}^{28}\text{Si}$ system with microscopic and phenomenological potentials. Physics of Atomic Nuclei, 2007, 70, 290-299.                               | 0.4 | 1         |



| #   | ARTICLE                                                                                                                                                                                                                 | IF  | CITATIONS |
|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 127 | Anyl-state solutions of the Hulth n potential by the asymptotic iteration method. Journal of Physics A, 2006, 39, 11521-11529.                                                                                          | 1.6 | 134       |
| 128 | Asymptotic iteration method solutions to the relativistic Duffin-Kemmer-Petiau equation. Journal of Mathematical Physics, 2006, 47, 062301.                                                                             | 1.1 | 102       |
| 129 | Exact analytical solution to the relativistic Klein-Gordon equation with noncentral equal scalar and vector potentials. Journal of Mathematical Physics, 2006, 47, 082302.                                              | 1.1 | 81        |
| 130 | Arbitrary ell-state solutions of the rotating Morse potential by the asymptotic iteration method. Journal of Physics A, 2006, 39, 6955-6963.                                                                            | 1.6 | 123       |
| 131 | AN INVESTIGATION OF THE 16O+16O ELASTIC SCATTERING BY USING ALPHA  ALPHA DOUBLE FOLDING POTENTIAL IN OPTICAL MODEL FORMALISM. Modern Physics Letters A, 2006, 21, 2217-2232.                                            | 1.2 | 6         |
| 132 | MICROSCOPIC POTENTIAL DESCRIPTION OF THE ELASTIC SCATTERING AND FUSION CROSS-SECTION DATA OF THE 12C+24Mg SYSTEM. International Journal of Modern Physics E, 2006, 15, 1317-1332.                                       | 1.0 | 19        |
| 133 | Global examination of the 12C+12C reaction data at low and intermediate energies. Nuclear Physics A, 2006, 764, 160-180.                                                                                                | 1.5 | 20        |
| 134 |     double folding cluster potential description of the C12+Mg24system. Physical Review C, 2006, 73, .                                                                                                                  | 2.9 | 44        |
| 135 | ACCURATE ITERATIVE AND PERTURBATIVE SOLUTIONS OF THE YUKAWA POTENTIAL. International Journal of Modern Physics E, 2006, 15, 1253-1262.                                                                                  | 1.0 | 20        |
| 136 | EXACT ANALYTICAL SOLUTION OF THE KLEIN  GORDON EQUATION FOR THE PIONIC ATOM BY ASYMPTOTIC ITERATION METHOD. International Journal of Modern Physics E, 2006, 15, 1243-1251.                                             | 1.0 | 16        |
| 137 | THE ENERGY EIGENVALUES OF THE TWO DIMENSIONAL HYDROGEN ATOM IN A MAGNETIC FIELD. International Journal of Modern Physics E, 2006, 15, 1263-1271.                                                                        | 1.0 | 24        |
| 138 | COMPARATIVE STUDY OF THE MULTIQUADRIC AND THIN-PLATE SPLINE RADIAL BASIS FUNCTIONS FOR THE TRANSIENT-CONVECTIVE DIFFUSION PROBLEMS. International Journal of Modern Physics C, 2006, 17, 1151-1169.                     | 1.7 | 9         |
| 139 | HIGHER TWIST EFFECTS IN PROTON-PROTON COLLISIONS. International Journal of Modern Physics E, 2006, 15, 1209-1231.                                                                                                       | 1.0 | 12        |
| 140 | INVESTIGATION OF THE NEUTRALINO PAIR PRODUCTION AT LHC. International Journal of Modern Physics E, 2006, 15, 1183-1208.                                                                                                 | 1.0 | 5         |
| 141 | The examination of the 12C + 24Mg elastic scattering around the Coulomb barrier. Physics of Atomic Nuclei, 2005, 68, 1153-1159.                                                                                         | 0.4 | 6         |
| 142 | Failure of the standard coupled-channels method in describing inelastic reaction data: on the use of a new shape for the coupling potential. Journal of Physics G: Nuclear and Particle Physics, 2005, 31, S1837-S1842. | 3.6 | 4         |
| 143 | Inclusive cross-sections of (p,xp) and (p,x  ) reactions on Fe56 at Ep=29.9 MeV. Physical Review C, 2005, 72, .                                                                                                         | 2.9 | 3         |
| 144 | Be8+C12(02+) decay of excited states in Ne20. Physical Review C, 2005, 71, .                                                                                                                                            | 2.9 | 14        |

| #   | ARTICLE                                                                                                                                                                                   | IF  | CITATIONS |
|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 145 | A COMPARATIVE STUDY OF THE $^{12}\text{C}+^{24}\text{Mg}$ SYSTEM WITH DEEP AND SHALLOW POTENTIALS. International Journal of Modern Physics E, 2005, 14, 663-673.                          | 1.0 | 21        |
| 146 | $\text{Be}8+\text{Be}8$ decay of excited states in $^{16}\text{O}$ . Physical Review C, 2004, 70, .                                                                                       | 2.9 | 36        |
| 147 | On the Numerical Solution of Linear Advection-Diffusion Equation using Compactly Supported Radial Basis Functions. Lecture Notes in Computational Science and Engineering, 2003, , 63-73. | 0.3 | 3         |
| 148 | Inclusive spectra of $(p, xp)$ and $(p, xd)$ reactions on $^{90,92}\text{Zr}$ and $^{92}\text{Mo}$ nuclei at $E_p=30.3\text{MeV}$ . Physical Review C, 2003, 67, .                        | 2.9 | 9         |
| 149 | Global potential analysis of the $^{16}\text{O}+^{28}\text{Si}$ reaction using a new type of coupling potential. Physical Review C, 2002, 65, .                                           | 2.9 | 7         |
| 150 | New results in the analysis of $^{16}\text{O}+^{28}\text{Si}$ elastic scattering by modifying the optical potential. Physical Review C, 2002, 66, .                                       | 2.9 | 34        |
| 151 | Investigation of the coupling potential by means of S-matrix inversion. Physical Review C, 2002, 66, .                                                                                    | 2.9 | 1         |
| 152 | Excitation function measurements for $^{12}\text{C}+^{12}\text{C}$ inelastic scattering channels. Physical Review C, 2002, 66, .                                                          | 2.9 | 17        |
| 153 | Systematic investigation of light heavy-ion reactions. Physics of Atomic Nuclei, 2002, 65, 607-611.                                                                                       | 0.4 | 5         |
| 154 | An analysis of the linear advectionâ€“diffusion equation using mesh-free and mesh-dependent methods. Engineering Analysis With Boundary Elements, 2002, 26, 889-895.                      | 3.7 | 53        |
| 155 | A new coupling potential for the analysis of deformed light heavy-ion reactions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 518, 229-234.    | 4.1 | 24        |
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