# I Nasser

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/10453709/publications.pdf

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|---|---|---|---|
| 21 papers | 394 citations | 687363 13 h-index | 752698 20 g-index |
| 21 all docs | 21 docs citations | 21 times ranked | 108 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Information entropies for the Morse potential using the J-matrix method. Results in Physics, 2017, 7, 1778-1780. | 4.1 | 13 |
| 2 | Scaling behaviour of Fisher and Shannon entropies for the exponential-cosine screened coulomb potential. Molecular Physics, 2017, 115, 1480-1492. | 1.7 | 14 |
| 3 | Comparative study of the scaling behavior of the RÃ©nyi entropy for He-like atoms. Journal of Physics: Conference Series, 2017, 869, 012011. | 0.4 | 4 |
| 4 | Study of the 2-channel systems using the J-matrix method. Molecular Physics, 2016, 114, 3328-3340. | 1.7 | 3 |
| 5 | Scaling behavior of the Yukawa potential in two and three dimensions: a comparative study. Physica Scripta, 2015, 90, 055401. | 2.5 | 2 |
| 6 | Scaling behaviour of the Hellmann potential with different strength parameters. Molecular Physics, 2014, 112, 2608-2613. | 1.7 | 6 |
| 7 | The Manningâ€“Rosen potential using J-matrix approach. Molecular Physics, 2013, 111, 1-8. | 1.7 | 23 |
| 8 | Molecular bound and resonance state energies of the modified PÃ¶schlâ€“Teller like potential. Molecular Physics, 2013, 111, 817-824. | 1.7 | 3 |
| 9 | The Hellmann potential in the J-matrix approach: II. Crossover phenomena and the radiative transition probabilities. Physica Scripta, 2013, 88, 055001. | 2.5 | 5 |
| 10 | Hellmann potential in theJ-matrix approach: I. Eigenvalues. Physica Scripta, 2011, 83, 055004. | 2.5 | 20 |
| 11 | J-Matrix approach for the exponential-cosine-screened Coulomb potential. Physica Scripta, 2011, 84, 045001. | 2.5 | 30 |
| 12 | Singular short range potentials in the J-matrix approach. Physics Letters, Section A: General, Atomic and Solid State Physics, 2009, 373, 2408-2412. | 2.1 | 14 |
| 13 | The rotating Morse potential model for diatomic molecules in theJ-matrix representation: II. TheS-matrix approach. Journal of Physics B: Atomic, Molecular and Optical Physics, 2008, 41, 215001. | 1.5 | 17 |
| 14 | The rotating Morse potential model for diatomic molecules in the tridiagonalJ-matrix representation: I. Bound states. Journal of Physics B: Atomic, Molecular and Optical Physics, 2007, 40, 4245-4257. | 1.5 | 75 |
| 15 | Effective charges for radiative and Auger transition probabilities. Journal of Quantitative Spectroscopy and Radiative Transfer, 1988, 39, 197-204. | 2.3 | 8 |
| 16 | The effect of static electric field on dielectronic recombination. II. Atomic structure. Journal of Physics B: Atomic and Molecular Physics, 1987, 20, 1577-1586. | 1.6 | 18 |
| 17 | The effect of static electric fields on dielectronic recombination. I. Basic theory. Journal of Physics B: Atomic and Molecular Physics, 1987, 20, 1565-1576. | 1.6 | 23 |
| 18 | Electric-field-induced mixing of high Rydberg-state levels in dielectronic recombination:Mg1+andCa1+target ions. Physical Review A, 1986, 33, 2782-2785. | 2.5 | 42 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Dependence of dielectronic recombination cross sections on the charge states for the vanadium ion. Physical Review A, 1985, 31, 1926-1928. | 2.5 | 13 |
| 20 | Resonant electron capture to high Rydberg states of Ca II. Physical Review A, 1984, 30, 1558-1560. | 2.5 | 12 |
| 21 | Dielectronic recombination rates for the He-like ions. Journal of Quantitative Spectroscopy and Radiative Transfer, 1983, 29, 1-8. | 2.3 | 49 |