# MichaÅ, Przybytek

List of Publications by Year
in descending order



| 25 | 1,242 | 516215 16 | 552369 26 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 26 | 26 | 26 | 864 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Effects of electronic correlation on the high harmonic generation in helium: A time-dependent configuration interaction singles vs time-dependent full configuration interaction study. Journal of Chemical Physics, 2022, 156, 174106. | 1.2 | 7 |
| 2 | A systematic construction of Gaussian basis sets for the description of laser field ionization and high-harmonic generation. Journal of Chemical Physics, 2021, 154, 094111. | 1.2 | 12 |
| 3 | Symmetry-Adapted Perturbation Theory Based on Multiconfigurational Wave Function Description of Monomers. Journal of Chemical Theory and Computation, 2021, 17, 5538-5555. | 2.3 | 18 |
| 4 | Second virial coefficients for <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>He</mml:mi><mml:mprescripts /><mml:none /><mml:mn>4</mml:mn></mml:mmultiscripts></mml:math> and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>He</mml:mi><mml:mprescripts /><mml:none /><mml:mn>3</mml:mn></mml:mmultiscripts></mml:math> from an accurate relativistic interaction potential. Physical Review A, 2020, 102, . | 1.0 | 41 |
| 5 | Theoretical determination of polarizability and magnetic susceptibility of neon. Physical Review A, 2020, 102, . | 1.0 | 13 |
| 6 | Ab initio Potential Energy Curve for the Ground State of Beryllium Dimer. Journal of Chemical Theory and Computation, 2019, 15, 2470-2480. | 2.3 | 25 |
| 7 | Second-Order Exchange-Dispersion Energy Based on a Multireference Description of Monomers. Journal of Chemical Theory and Computation, 2019, 15, 6712-6723. | 2.3 | 11 |
| 8 | Second-Order Dispersion Energy Based on Multireference Description of Monomers. Journal of Chemical Theory and Computation, 2019, 15, 1016-1027. | 2.3 | 17 |
| 9 | Correlation energies for many-electron atoms with explicitly correlated Slater functions. Physical Review A, 2018, 98, . | 1.0 | 3 |
| 10 | Dispersion Energy of Symmetry-Adapted Perturbation Theory from the Explicitly Correlated F12 Approach. Journal of Chemical Theory and Computation, 2018, 14, 5105-5117. | 2.3 | 9 |
| 11 | Pair Potential with Submillikelvin Uncertainties and Nonadiabatic Treatment of the Halo State of the Helium Dimer. Physical Review Letters, 2017, 119, 123401. | 2.9 | 52 |
| 12 | Crossover between few and many fermions in a harmonic trap. Physical Review A, 2015, 92, . | 1.0 | 37 |
| 13 | Many interacting fermions in a one-dimensional harmonic trap: a quantum-chemical treatment. New Journal of Physics, 2015, 17, 115001. | 1.2 | 35 |
| 14 | Reexamination of the calculation of two-center, two-electron integrals over Slater-type orbitals. III. Case study of the beryllium dimer. Physical Review A, 2015, 91, . | 1.0 | 27 |
| 15 | Onset of Casimir-Polder Retardation in a Long-Range Molecular Quantum State. Physical Review Letters, 2012, 108, 183201. | 2.9 | 18 |
| 16 | Effects of adiabatic, relativistic, and quantum electrodynamics interactions on the pair potential and thermophysical properties of helium. Journal of Chemical Physics, 2012, 136, 224303. | 1.2 | 241 |
| 17 | Long-range asymptotic expansion of the diagonal Bornâ€“Oppenheimer correction. Chemical Physics, 2012, 401, 170-179. | 0.9 | 20 |
| 18 | Quantum Electrodynamics Effects in Rovibrational Spectra of Molecular Hydrogen. Journal of Chemical Theory and Computation, 2011, 7, 3105-3115. | 2.3 | 169 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Relativistic and Quantum Electrodynamics Effects in the Helium Pair Potential. Physical Review Letters, 2010, 104, 183003. | 2.9 | 135 |
| 20 | Infiniteâ€order functional for nonlinear parameters optimization in explicitly correlated coupled cluster theory. International Journal of Quantum Chemistry, 2009, 109, 2872-2884. | 1.0 | 7 |
| 21 | Theoretical Determination of the Dissociation Energy of Molecular Hydrogen. Journal of Chemical Theory and Computation, 2009, 5, 3039-3048. | 2.3 | 174 |
| 22 | Higher dispersion coefficients for the interaction of helium atoms. Chemical Physics Letters, 2008, 459, 183-187. | 1.2 | 14 |
| 23 | Time-independent coupled cluster theory of the polarization propagator. Implementation and application of the singles and doubles model to dynamic polarizabilities and van der Waals constantsâ€. Molecular Physics, 2006, 104, 2303-2316. | 0.8 | 82 |
| 24 | Bounds for the scattering length of spin-polarized helium from high-accuracy electronic structure calculations. Journal of Chemical Physics, 2005, 123, 134315. | 1.2 | 50 |
| 25 | Convergence Behavior of Symmetry-Adapted Perturbation Expansions for Excited States. A Model Study of Interactions Involving a Triplet Helium Atom. Collection of Czechoslovak Chemical Communications, 2004, 69, 141-176. | 1.0 | 14 |