

Andrzej P KÄdzielawa

List of Publications by Year in descending order

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92
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| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Extended Hubbard model with renormalized Wannier wave functions in the correlated state III. European Physical Journal B, 2013, 86, 1. | 0.6 | 21 |
| 2 | H ₂ and (H ₂) ₂ molecules with an ab initio optimization of wave functions in correlated state: electron-proton couplings and intermolecular microscopic parameters. New Journal of Physics, 2014, 16, 123022. | 1.2 | 15 |
| 3 | Dot-ring nanostructure: Rigorous analysis of many-electron effects. Scientific Reports, 2016, 6, 29887. | 1.6 | 11 |
| 4 | Combined shared and distributed memory ab-initio computations of molecular-hydrogen systems in the correlated state: Process pool solution and two-level parallelism. Computer Physics Communications, 2015, 197, 7-16. | 3.0 | 10 |
| 5 | MAELAS: MAgneto-ELAStic properties calculation via computational high-throughput approach. Computer Physics Communications, 2021, 264, 107964. | 3.0 | 10 |
| 6 | Inhibition of steel corrosion with imidazolium-based compounds - Experimental and theoretical study. Corrosion Science, 2021, 191, 109716. | 3.0 | 9 |
| 7 | Atomization of correlated molecular-hydrogen chain: A fully microscopic variational Monte Carlo solution. Physical Review B, 2018, 98, . | 1.1 | 7 |
| 8 | Discontinuous transition of molecular-hydrogen chain to the quasiatomic state: Combined exact diagonalization and ab initio approach. Physical Review B, 2015, 92, . | 1.1 | 6 |
| 9 | MAELAS 2.0: A new version of a computer program for the calculation of magneto-elastic properties. Computer Physics Communications, 2022, 271, 108197. | 3.0 | 5 |
| 10 | Electrons and phonons in uranium hydrides - effects of polar bonding. Journal of Nuclear Materials, 2022, 567, 153817. | 1.3 | 5 |
| 11 | MAELASviewer: An Online Tool to Visualize Magnetostriction. Sensors, 2020, 20, 6436. | 2.1 | 4 |
| 12 | Photoemission signature of momentum-dependent hybridization in CeCoIn_5 . Physical Review B, 2021, 104, . | | 5 |
| 13 | Ultrafine-grained W-Cr composite prepared by controlled W-Cr solid solution decomposition. Materials Letters, 2021, 304, 130728. | 1.3 | 4 |
| 14 | Metallization of solid molecular hydrogen in two dimensions: Mott-Hubbard-type transition. Physical Review B, 2017, 96, . | 1.1 | 3 |
| 15 | Metallization of Atomic Solid Hydrogen within the Extended Hubbard Model with Renormalized Wannier Wave Functions. Acta Physica Polonica A, 2014, 126, A-58-A-62. | 0.2 | 1 |