# Asem A Alenaizan

List of Publications by Year
in descending order



| 11 | 682 | 1040056 9 | 1281871 11 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 13 | 13 | 13 | 691 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | P<scp>SI4</scp> 1.4: Open-source software for high-throughput quantum chemistry. Journal of Chemical Physics, 2020, 152, 184108. | 3.0 | 440 |
| 2 | P<scp>si</scp>4N<scp>um</scp>P<scp>y</scp>: An Interactive Quantum Chemistry Programming Environment for Reference Implementations and Rapid Development. Journal of Chemical Theory and Computation, 2018, 14, 3504-3511. | 5.3 | 106 |
| 3 | Assessment of Density Functional Methods for Geometry Optimization of Bimolecular van der Waals Complexes. Journal of Chemical Theory and Computation, 2018, 14, 3004-3013. | 5.3 | 27 |
| 4 | Python implementation of the restrained electrostatic potential charge model. International Journal of Quantum Chemistry, 2020, 120, e26035. | 2.0 | 17 |
| 5 | Quantum Chemistry Common Driver and Databases (QCDB) and Quantum Chemistry Engine (QCE<scp>ngine</scp>): Automation and interoperability among computational chemistry programs. Journal of Chemical Physics, 2021, 155, 204801. | 3.0 | 15 |
| 6 | Noncovalent Helicene Structure between Nucleic Acids and Cyanuric Acid. Chemistry - A European Journal, 2021, 27, 4043-4052. | 3.3 | 14 |
| 7 | X-ray Fiber Diffraction and Computational Analyses of Stacked Hexads in Supramolecular Polymers: Insight into Self-Assembly in Water by Prospective Prebiotic Nucleobases. Journal of the American Chemical Society, 2021, 143, 6079-6094. | 13.7 | 13 |
| 8 | Solvent, temperature and concentration effects on the optical rotatory dispersion of (R)-3-methylcyclohexanone. Journal of Molecular Structure, 2017, 1130, 19-25. | 3.6 | 12 |
| 9 | The proto-Nucleic Acid Builder: a software tool for constructing nucleic acid analogs. Nucleic Acids Research, 2021, 49, 79-89. | 14.5 | 10 |
| 10 | Tuning DNA Supramolecular Polymers by the Addition of Small, Functionalized Nucleobase Mimics. Journal of the American Chemical Society, 2021, 143, 19824-19833. | 13.7 | 10 |
| 11 | Density functional theory study of the substituent effect on the structure, conformation and vibrational spectra in halosubstituted anilines. RSC Advances, 2016, 6, 67794-67804. | 3.6 | 6 |