Victor Garcia

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7118247/publications.pdf

Version: 2024-02-01

16 papers	92 citations	1307594 7 h-index	1474206 9 g-index
16 all docs	16 docs citations	16 times ranked	77 citing authors

#	Article	IF	Citations
1	Videos with Hands: an Analysis of Usage and Interactions of Undergraduate Science Students for Acquiring Physics Knowledge. Journal of Science Education and Technology, 2022, 31, 442-460.	3.9	3
2	Students perception of videos in introductory physics courses of engineering in face-to-face and online environments. Multimedia Tools and Applications, 2021, 80, 1009-1028.	3.9	4
3	Propertyâ€oriented basis sets for computation of atomization energies. Journal of Computational Chemistry, 2021, 42, 2154-2162.	3.3	0
4	Studentsâ€™ Behavior and Perceptions Regarding Complementary Videos for Introductory Physics Courses in an Online Environment. Applied Sciences (Switzerland), 2021, 11, 523.	2.5	2
5	Spatially restricted Double Zâ€Simplified Box Orbital basis sets: Optimization and comparison with some standard basis sets. International Journal of Quantum Chemistry, 2020, 120, e26129.	2.0	1
6	Software to obtain spatially localized functions from different radial functions. Journal of Computer-Aided Molecular Design, 2020, 34, 267-280.	2.9	1
7	On Electronegativity, Hardness, and Reactivity Descriptors: A New Property-Oriented Basis Set. Journal of Physical Chemistry A, 2020, 124, 4700-4711.	2.5	22
8	New insights in conceptual DFT: New model for the calculation of local reactivity indices based on the Sanderson's principle. International Journal of Quantum Chemistry, 2019, 119, e25844.	2.0	8
9	Developing and Using a Computer Simulation of Liquidâ€“Vapor Transitions to Improve Studentsâ€™ Assimilation of Concepts Related to the Behavior of Real Gases. Journal of Chemical Education, 2019, 96, 1646-1653.	2.3	1
10	Introducing a new bond reactivity index: Philicities for natural bond orbitals. Journal of Molecular Modeling, 2018, 24, 25.	1.8	13
11	Introducing a new methodology for the calculation of local philicity and multiphilic descriptor: an alternative to the finite difference approximation. Molecular Physics, 2018, 116, 1737-1748.	1.7	7
12	Simplified box orbitals for molecules containing atoms beyond Ar. Molecular Physics, 2018, 116, 2310-2320.	1.7	3
13	Software to obtain accurate Gaussian expansions for a wide range of radial functions. Journal of Molecular Modeling, 2017, 23, 165.	1.8	5
14	Simplified Box Orbitals (SBO) for H To Ar atoms: Exact expressions, SBO-3G approximations, and relations with the ZDO approximation. International Journal of Quantum Chemistry, 2016, 116, 1303-1312.	2.0	7
15	Simplified box orbitals: A spatially restricted alternative to the slaterâ€type orbitals. International Journal of Quantum Chemistry, 2014, 114, 1581-1593.	2.0	7
16	Electronic confinement effects on the reaction field type calculations of solvent effects. International Journal of Quantum Chemistry, 2013, 113, 2172-2179.	2.0	8