Mauricio Antonio Rodrguez Mayorga

List of Publications by Year in Descending Order

15 papers	219 citations	8 h-index	14 g-index
17 ext. papers	269 ext. citations	3.6 avg, IF	3.54 L-index

#	Paper	IF	Citations
15	Natural range separation of the Coulomb hole.. *Journal of Chemical Physics*, **2022**, 156, 184106	3.9	1
14	Relativistic reduced density matrix functional theory. **2022**, 1,		3
13	Coupling Natural Orbital Functional Theory and Many-Body Perturbation Theory by Using Nondynamically Correlated Canonical Orbitals. *Journal of Chemical Theory and Computation*, **2021**,	6.4	5
12	Improved One-Shot Total Energies from the Linearized GW Density Matrix. *Journal of Chemical Theory and Computation*, **2021**, 17, 2126-2136	6.4	3
11	A Machine Learning Approach for MP2 Correlation Energies and Its Application to Organic Compounds. *Journal of Chemical Theory and Computation*, **2021**, 17, 777-790	6.4	3
10	Natural orbital functional for spin-polarized periodic systems. *Journal of Physics Condensed Matter*, **2019**, 31, 165501	1.8	5
9	Partition of optical properties into orbital contributions. *Physical Chemistry Chemical Physics*, **2019**, 21, 15380-15391	3.6	3
8	Singling Out Dynamic and Nondynamic Correlation. *Journal of Physical Chemistry Letters*, **2019**, 10, 4032-4037	6.4	22
7	The Coulomb Hole of the Ne Atom. *ChemistryOpen*, **2019**, 8, 411-417	2.3	4
6	Phase dilemma in natural orbital functional theory from the N-representability perspective. *European Physical Journal B*, **2018**, 91, 1	1.2	18
5	Electron correlation effects in third-order densities. *Physical Chemistry Chemical Physics*, **2017**, 19, 4522-4529	3.6	11
4	Comprehensive benchmarking of density matrix functional approximations. *Physical Chemistry Chemical Physics*, **2017**, 19, 24029-24041	3.6	29
3	Salient signature of van der Waals interactions. *Physical Review A*, **2017**, 96,	2.6	8
2	Bonding description of the Harpoon mechanism. This paper is dedicated to Andreas Savin on the occasion of his 65th birthday.View all notes. *Molecular Physics*, **2016**, 114, 1345-1355	1.7	11
1	Three-center bonding analyzed from correlated and uncorrelated third-order reduced density matrices. *Computational and Theoretical Chemistry*, **2015**, 1053, 173-179	2	8