Editor's Comments:

In my opinion the authors should follow the suggestion of one of the referees, namely :

"If authors prefer to use the semiempirical method they must fulfill test calculations (for example, for Ag2) and
compare results with known ab initio data."

The authros claim that Gaussian function are used in ab inito vs their use of Slater function. This is the more resaon why comparison is important in order to improve the value of the authors manuscript to other researchers.

Therefore, I recommend revision of their manuscript according to the suggestion given above.

Authors Feedback:

Comparison the results of different methods for Ag_2

N	**Object**	Methods	Number of electrons using in calculations	ε_{HOMO}	ε_{LUMO}	I_p **(eV)**	E_g **(eV)**
1	Ag_2	WH (Slater type orbitals)	2	-24.9528	-16.7698	24.9528	8.1830
2	Ag_2	Ab Inito (Gauss type orbitals)	94	-4.4257	4.1723	4.4257	8.5979
3	Ag_2	Extended Hukkel (Gauss type orbitals)	22	-9.1146	-6.6310	9.1146	2.4836