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The Netherlands

Spin-transition frameworks based on bistetrazole and triazine ligands

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Citation

Quesada Vilar, M. (2007, March 29). *Spin-transition frameworks based on bistetrazole and triazine ligands*. Retrieved from <https://hdl.handle.net/1887/11463>

Version: Corrected Publisher's Version

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Stellingen (Propositions)

Behorende bij het proefschrift

Spin-Transition Frameworks based on Bistetrazole and Triazine Ligands

1. The more bulkiness around the coordinating tetrazole rings of bistetrazole-based ligands, the higher the dimensionality of the resulting polymer.
[This Thesis]
2. The smaller the anion-to-metal distance, the lower the transition temperature in 1D bistetrazole-based spin-transition polymers.
[This Thesis]
3. The change from HS to LS in 1D bistetrazole-based polymers Fe compounds, results in an increase of the [[centroid-tetrazole]-N_D-Fe] angle.
[This Thesis]
4. The reaction of the dpyatriz ligand with iron(II) salts, in absence of any other co-ligand, form solvent-dependant systems with open coordination sites.
[This Thesis]
5. The free dipyridylamino moieties of the dinuclear entity [Fe₂(dpyatriz)₂(CH₃CN)₂(H₂O)₂](BF₄)₂ can be used to extend the system to form polymeric compounds
[This Thesis]
6. Only two dipyridylamino moieties of the dpyatriz ligand are necessary for the synthesis of Fe-based spin-transition materials.
[This Thesis]
7. 2,4,6-trichloro-[1,3,5]-triazine is a powerful building unit for the creation of new multifunctional materials.
8. The slam-dunk has destroyed basketball.
9. The fact that most Dutch citizens speak English is comfortable for the initial integration of foreigners to the country, but in the end it isolates them from Dutch culture.
10. The impact of one's work in the science community is directly proportional to the "impact factor" of one's name.
11. The best scientific ideas are generated when the scientists are still not influenced by how the science community works.
12. The politically correct is harmful for society, and in times where everything needs to be politically correct it is necessary to remember what Erasmus said:

"...for as nothing is more trifling than to treat of serious matters triflingly, so nothing carries a better grace than so to discourse of trifles as a man may seem to have intended them least."

"Pues nada hay más necio que tratar seriamente de la necedad, ni nada más divertido que tratar en broma de aquello que nadie pensaría que lo fuera."

Erasmus of Rotterdam to his friend Thomas More in The Praise of Folly.