

University of Groningen

Design and development of novel layered nanostructured hybrid materials for environmental, medical, energy and catalytic applications

Potsi, Georgia

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Propositions / Stellingen

Accompanying the thesis

Design and development of novel layered nanostructured hybrid materials for environmental, medical, energy and catalytic applications

Georgia Potsi

1. Synthesis of hybrids is a smart way to use relatively cheap starting materials like clays and convert them to ones with extraordinary properties suitable for various applications. [chapter 3,5 and 7 of the thesis]
2. Both adamantylamine and POSS can be used successfully as pillars for layered materials. [chapter 3 and 6 of the thesis]
3. Adanantylamine molecules enhance the proexisting cytotoxic properties of clays and GO. [chapter 3 of the thesis]
4. CNDs appear to be prommising materials for biomedicine applications. [chapter 4 of the thesis]
5. Active sites on the surface of clays play significant role during the procedure of catalysis. [chapter 6 of the thesis]
6. The beauty of chemistry is that I can design my own molecular world. (Ben Feringa)
7. Science never solves a problem without creating ten more (George Bernard Shaw)
8. Science, my lad, is made up of mistakes, but they are mistakes which it is useful to make, because they lead little by little to the truth (Jules Verne)
9. Criticism is something we can avoid easily by saying nothing, doing nothing and being nothing (Aristotle)
10. When you are working on five projects you have better chance to publish one.
11. Sometimes projects don't work, but sometimes changing your perspective can lead to findings more exciting to what you have been expecting in the beginning.