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

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Document Version

Publisher's PDF, also known as Version of record

Publication date:

2016

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Citation for published version (APA):

Potsi, G. (2016). *Design and development of novel layered nanostructured hybrid materials for environmental, medical, energy and catalytic applications*. University of Groningen.

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List of Publications

1. Spyrou K.*, **Potsi G.***, Diamanti E.K.*, Ke X., Serestatidou E., Verginadis I., et al. Towards Novel Multifunctional Pillared Nanostructures: Effective Intercalation of Adamantylamine in Graphene Oxide and Smectite Clays. *Adv Funct Mater* [Internet]. 2014; 24 (37):5841–50.
2. Zygouri P., **Potsi G.**, Mouzourakis E., Spyrou K., Gournis D., Rudolf P.. Non-covalent interactions of graphene with polycyclic aromatic hydrocarbons. *Curr Org Chem*. 2015; 19 (18).
3. **Potsi G.**, Rossos A., Kouloumpis A., Antoniou M.K., Spyrou K., Karakassides M.A., et al. Carbon Nanostructures Containing Polyhedral Oligomeric Silsesquioxanes (POSS) [Internet]. Vol. 20, *Current Organic Chemistry*. 2016. p. 662–73.
4. Simari C., **Potsi G.**, Policicchio A., Perrotta I., Nicotera I. Clay–Carbon Nanotubes Hybrid Materials for Nanocomposite Membranes: Advantages of Branched Structure for Proton Transport under Low Humidity Conditions in PEMFCs. *J Phys Chem C* [Internet]. 2016 Feb 11; 120 (5):2574–84.
5. Terzopoulou Z., Bikiaris D.N., Triantafyllidis K.S., **Potsi G.**, Gournis D., Papageorgiou G.Z., et al. Mechanical, thermal and decomposition behavior of poly(ϵ -caprolactone) nanocomposites with clay-supported carbon nanotube hybrids. *Thermochim Acta*. 2016; 642.
6. Madhushankar B. N., Kaverzin A., Giousis T., **Potsi G.**, Gournis D., Rudolf P., Blake G.R., Van Der Wal C.H, Van Wees B.J. Electronic properties of germanane field-effect transistors (submitted)
7. **Potsi G.**, Ladavos A.K, Petrakis D., Douvalis A.P, Sanakis Y., Katsiotis M.S., Alhassan S., Gournis D., Rudolf P., Iron-substituted cubic silsesquioxane pillared clays: Synthesis, characterization and catalytic applications (to be submitted)
8. Zygouri P., Tsoufis T., Kouloumpis A., Patila M., **Potsi G.**, Sideratou Z., Katsaros F., Charalambopoulou G., Stamatis H, Rudolf P., Steriotis T.A., Gournis D., Hydrophilic oxidized carbon nanodiscs: A promising multifunctional nanocarbon for bioapplication (to be submitted)

*Equal contribution

